





Digitized by Google

Digitized by Google







Digitized by Google

Digitized by Google

C 3.134:988 REFERENCE SHELF

National Data Book and
Guide to Sources

STATISTICAL ABSTRACT OF THE UNITED STATES 1988

STANFORD UNIVERSITY
MAY 1988
GOVERNMENT PUBLICATIONS

108th Edition

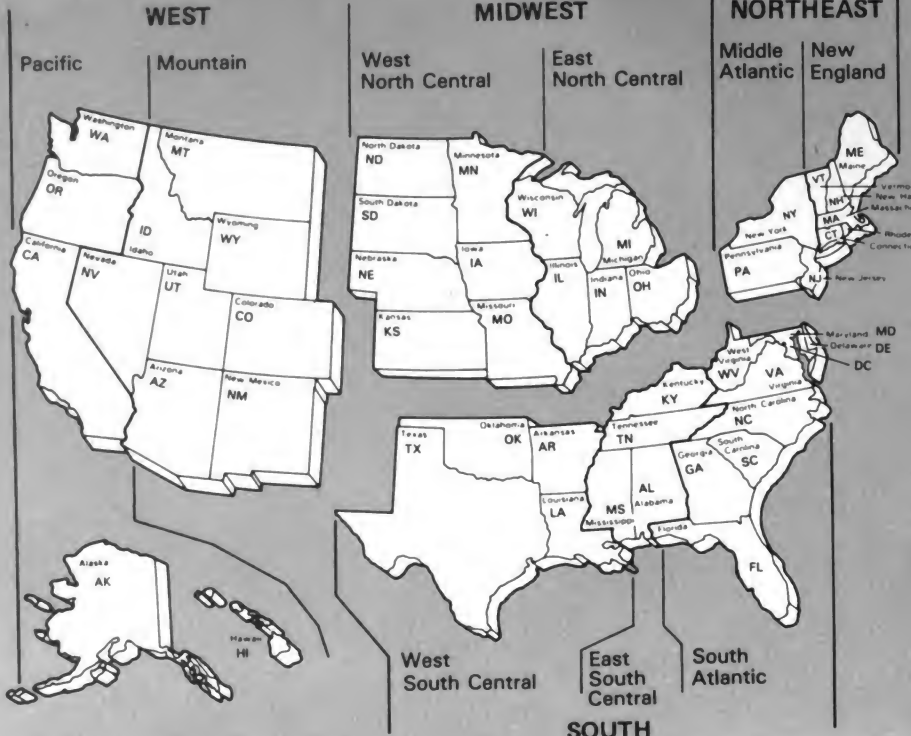
U.S. Department
of Commerce
BUREAU OF
THE CENSUS

Digitized by Google

Figure I.

Map of the U.S., Showing Census Divisions and Regions





FEATURES

Weights and measures *p. xiv*

Guide to tabular presentation *p. xv*

Selected State rankings *p. xvii*

Telephone contacts *p. xxvii*

Explanations and source references *In each section*

Source notes *Below each table*

Guide to sources of statistics *p. 828*

Guide to State statistical abstracts *p. 866*

Guide to foreign statistical abstracts *p. 870*

Metropolitan area concepts and components *p. 872*

Reliability of data *p. 882*

Index to State data *p. 900*

Index by subject *p. 902*

Digitized by Google

National Data Book
and Guide to Sources

STATISTICAL ABSTRACT OF THE UNITED STATES 1988

108th Edition



U.S. Department of Commerce

C. William Verity, Secretary

Robert Ortner, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS

John G. Keane, Director

Digitized by Google



BUREAU OF THE CENSUS

John G. Keane, Director

C. L. Kincannon, Deputy Director

Roland H. Moore, Associate Director for Field Operatior

Data User Services Division
Gerald C. Iannelli, Chief

ACKNOWLEDGMENTS

108th Annual Edition

Glenn W. King, Chief, Statistical Compendia Staff, was respo for general supervision and compilation of this volume under t rections of **Marie Argana. Lars B. Johanson** was responsit technical supervision and coordination. Assisting in the researc analytical phases of assigned sections and in the developmen pects of new tables were **Rosemary E. Clark, Rachael La Tomcik** and **Edward C. Jagers,** who was also responsible fc tent and preparation of graphics. **Geraldine W. Blackburn** an **line G. Oden** provided primary editorial assistance. Other e assistance was rendered by **Georgia E. Braley, Jeannie Mc Alice Novy, Dolores M. Roberson,** and **Marjorie M. Sproes** The cooperation of many contributors to this volume is gratef knowledged. The source note below each table credits the government and private agencies which have collaborated in ing information for the **Statistical Abstract.** In a few instanc tributors have requested that their data be designated as su copyright restrictions, as indicated in the source notes to th affected. Permission to use copyright material should be obt rectly from the copyright owner.

December 1987

Library of Congress Card No. 4-18089

SUGGESTED CITATION

U.S. Bureau of the Census, *Statistical Abstract of the United Stat* (108th edition.) Washington, DC, 1987

For sale by Superintendent of Documents, U.S. Government Print Washington, DC 20402, Tel. (202) 783-3238, or any U.S. Dep Commerce district office.

Digitized by Google

Preface

The *Statistical Abstract of the United States*, published since 1878, is the standard summary of statistics on the social, political, and economic organization of the United States. It is designed to serve as a convenient volume for statistical reference and as a guide to other statistical publications and sources. The latter function is served by the introductory text to each section, the source note appearing below each table, and Appendix I, which comprises the Guide to Sources of Statistics, the Guide to State Statistical Abstracts and the Guide to Foreign Statistical Abstracts.

This volume includes a selection of data from many statistical publications, both governmental and private. Publications cited as sources usually contain additional statistical detail and more comprehensive discussions of definitions and concepts than can be presented here. Data not available in publications issued by the contributing agency but obtained from unpublished records are identified in the source notes as "unpublished data." More information on the subjects covered in tables so noted may generally be obtained from the source.

Except as indicated, figures are for the United States as presently constituted. Although emphasis in the *Statistical Abstract* is given primarily to national data, many tables present data for regions and individual States and a smaller number for metropolitan areas and cities. Appendix II, Metropolitan Area Concepts and Components, presents explanatory text, a complete current listing and population data for metropolitan statistical areas (MSA's) the primary metropolitan statistical areas (PMSA's), and the consolidated metropolitan statistical areas (CMSA's). Table 34 in section 1 presents selected population characteristics for MSA's with population of 250,000 or more. Statistics for the Commonwealth of Puerto Rico and for outlying areas of the United States are included in many State tables and are supplemented by information in section 30. Additional information for States, cities, counties, metropolitan areas, and other small units, as well as more historical data, are available in various supplements to the *Abstract* (see inside back cover).

USA Statistics in Brief, 1988, the pocket-size loose insert in front of the book, is available separately. Price information can be obtained from, and orders sent to, U.S. Bureau of the Census, Customer Services, Washington, DC 20233. A 25 percent discount will be allowed on orders of 100 copies or more sent to the same address.

Changes in this edition.—Long-time users may recall the inclusion of a user questionnaire in the 1984 edition of the Abstract. By the spring of 1986, 2,733 responses had been received and analyzed (representing a response rate of 8.0%). This edition reflects many changes incorporated as a result of the respondents' valuable feedback. We hope you find them useful and we thank you for your participation.

Several sections have been expanded based on the fact they ranked high in user use and/or interest, but relatively low in the amount of tabular material presented. These include the sections on Vital Statistics, Prices, and Business Enterprise. Conversely, several sections have been reduced in the amount of tabular material presented because of the opposite relationship between user use and data presentation. Among these are Geography, Governments, Social Insurance, Transportation, Agriculture, and Mining. Finally two sections, Forests and Fisheries, have been combined.

Users' open-ended comments indicated many areas for which they would like to have new or expanded coverage. As a result, many new tables have been introduced. Among them are several tables on the elderly, from the 1984 Supplement on Aging to the National Health Interview Survey; new national and State population projections; and 1986 election results for the U.S. House of Representatives, by congressional district. In addition, a new table presents data on worklife indices. Finally, users expressed interest in international data. We have consequently expanded our Guide to Sources appendix to include a listing of selected foreign statistical abstracts and added several new tables to the Comparative International Statistics section.

Digitized by Google

Statistics in this edition are generally for the most recent year or period available by Octobe 1987. Each year almost 1,500 tables and charts are reviewed and evaluated; new tables and chart of current interest are added, continuing series are updated, and less timely data are condensed c eliminated. Text notes and appendixes are revised as appropriate.

In all, there are 100 new tables, distributed among 19 of the 31 sections. In addition, graph charts have been revised or updated and many sections have undergone tabular rearrangemer and format changes designed to improve the organization of subject matter. Of the tables include in the 1987 edition, 150 were omitted from this issue. The omissions represent primarily tables f which comparable details appear in other tables or for which no recent data are available, or tabl for which the subject matter shown was considered relatively less important in the light of th space required for presentation.

Among the new tables relating to people and their concerns are:

State population projections, by age, T. 29
The elderly—contacts with children, by age group and living arrangement, T. 42
Low birth weight and births to teenage mothers and unmarried women, T. 89
AIDS cases reported, by patient characteristic, T. 170
Personal health practices, T. 178
Characteristics of private elementary and se ondary schools and teachers, T. 224
Crimes against the elderly, T. 272
Participation in sports activities, T. 374
Child care arrangements of employed mothers, T. 596
Work schedules, by sex, industry, and oc pation, T. 615

Government and economic activities are reflected in new tables on:

Financial support of the arts by private business, T. 384
Votes cast for U.S. representatives, by congressional district, T. 402
Political action committees, T. 426
Disposable personal income per capita, T. 680
Per capita money income for the 50 largest cities, T. 709
Fixed-weight price indices, T. 733
Financial summary of savings institutions, 785
Mortgage delinquency, foreclosure rates, mortgage insurance, T. 794
Minority-owned business firms, T. 840
U.S. parent companies and foreign affilia T. 869
Residential energy expenditures, T. 915

Historical statistics.—Specific headnote references in this *Abstract* link many tables to ea data shown in *Historical Statistics of the United States, Colonial Times to 1970.* (See Appendi pp. 898 and 899.)

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and M may also be found in the *State and Metropolitan Area Data Book, 1986.* For cross-references Appendix V, pages 900 and 901.

Statistical reliability and responsibility.—The contents of this volume were taken from sources. All data from either censuses and surveys or from administrative records are subje error arising from a number of factors: Sampling variability (for statistics based on samples), re ing errors in the data for individual units, incomplete coverage, nonresponse, imputations, and essing error. (See also Appendix III, pp. 882–897.) The Bureau of the Census cannot accep responsibility for the accuracy or limitations of the data presented here, other than for those it collects. The responsibility for selection of the material and for proper presentation, hov rests with the Bureau.

For additional information on data presented.—Please consult the source publications able in local libraries or write to the agencies indicated in the source notes. Write to the Bur the Census only if it is cited as the source.

Suggestions and comments.—Users of the *Statistical Abstract* and its supplements (see back cover) are urged to make their data needs known for consideration in planning future ed Suggestions and comments for improving coverage and presentation of data should be sent Director, U.S. Bureau of the Census, Washington, DC 20233.

Digitized by Google

Contents

[Numbers following subjects are page numbers]

Page

Fig. I. Map of the U.S., showing census divisions and regions ..... Inside front cover
Weights and measures xiv
Guide to tabular presentation xv
Selected State rankings xvii
Telephone contacts xxvii

Sec. 1. **POPULATION** 1
Figs. 1.1, 1.2. Components of population change; State population—percent change 6

Population and area, U.S. population living abroad 8
Center of population; components of change 9
Immigrants 11
Projections 15
Race, sex, age 16
States 18, 19
Metropolitan areas, cities 26
Characteristics, by racial group and Hispanic origin 37
Nativity, foreign-born population 38
Marital status 39
Households and families 44
Institutional population 52
Religious bodies; church activity 53

Sec. 2. **VITAL STATISTICS** 56
Figs. 2.1, 2.2. Birth and death rates; Death rates by cause 56

Vital statistics, summary 59
Births, rates, fertility 59
Legal abortions 68
Life expectancy 70
Deaths, rates, causes 77
Marriages and divorces 83

Sec. 3. **HEALTH AND NUTRITION** 85
Figs. 3.1, 3.2. National health expenditures; Indexes of medical care prices 87

Health expenditures 88
Health insurance coverage 92
Malpractice insurance 96
Hospitals, nursing homes 97
Nursing home residents 103
AIDS cases reported 107
Food consumption, nutrition 108
Functional limitations of persons 65 yrs. and over 109
Personal health practices 111
Drug, alcohol, cigarette use 112

Sec. 4. **EDUCATION** 117

School expenditures 119
School enrollment 122
School years completed 125
Teachers, employment, salaries 130
Public school finances 132
Media centers; use of computers 134
Programs for the handicapped 135
Characteristics of private schools 136
School dropouts and graduates 138
Higher education: Enrollment 140
Freshmen enrollment in remedial courses 142
College: Major field of study 143
Higher education: Finances 146
Degrees conferred 150
Computer use in Public library systems 152
Adult education 153

Digitized by Google

Sec. 5. **LAW ENFORCEMENT, COURTS, AND PRISONS** 15
Figs. 5.1, 5.2. Crime rates; Prisoner population 15

Crimes and crime rates 158
Homicides; rape; robbery 160
Victimization rates 162
Child abuse; maltreatment 164
Law enforcement 165
Crime prevention; security measures 166
Officers killed; aliens expelled 167
State and local police protection 169
Lawyers 17
Supreme Court, U.S. appeals and district courts 17
Drug violations 17
Juveniles in custody; jails 17
Correctional institutions, inmates 17
Prisoners executed 17
Fires and property lost 18

Sec. 6. **GEOGRAPHY AND ENVIRONMENT** 1
Fig. 6.1. Territorial expansion 1
Fig. 6.2. Hazardous waste sites 1

Land and water areas 184
Land: Utilization, ownership, Federal 185
Nonfederal land use 186
Elevations 188
Rivers 189
Water use and quality 190
Air quality 192
Hazardous waste; solid waste 1
Pesticides; endangered species 1
Pollution abatement; environmental control outlays 1
Temperature: Average, high, low 1
Precipitation 2
Heating and cooling degree days 2

Sec. 7. **PARKS, RECREATION, AND TRAVEL** 2
Fig. 7.1. Personal consumption expenditures for recreation 2
Fig. 7.2. Participation in 10 most popular sport activities 2

National parks, forests 210
State recreation areas; expenditures 213
Consumer expenditures; sporting goods 214
Records and tapes; consumer electronics 217
Spectator sports 218
Selected recreational activities 2
Gardening, fishing, and hunting 2
Performing arts 2
Foreign travel 2
Nonimmigrants admitted 2
Travel; travel expenditures 2

Sec. 8. **ELECTIONS** 2
Fig. 8.1. Popular vote cast for President 2
Fig. 8.2. Voter participation in Presidential elections 2

Vote for President 233
Vote for Senators 235
Vote for Representatives 236
Congress: Characteristics 242
Vote for Governors 245
Composition of State legislatures 246
Black, Hispanic, and women elected officials 2
Voter participation and voting-age population 2
Campaign finances 2

Sec. 9. **STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT** 2

Governmental units 256
Revenue and expenditures 258
Federal aid 260
State and local finances 262
State government finances 266
State government taxes 270
Minimum drinking ages 2
Local governments; number, type 2
County, government finances 2
City government finances 2
Employment and payrolls 2
Bargaining settlements 2

Digitized by Google

Sec. 10. **FEDERAL GOVERNMENT FINANCES AND EMPLOYMENT** 288
Fig. 10.1. The Government of the United States 288
Fig. 10.2. Federal budget surplus or deficit 290

Budget receipts, outlays, debt 291
Trust funds 295
Tax expenditures 296
Federal securities 298
Tax returns 302
Individual income tax summary 303
Average tax; itemized deductions 304
Federal employment and payrolls 307
Federal land and buildings 311

Sec. 11. **NATIONAL DEFENSE AND VETERANS AFFAIRS** 313

U.S. defense and veterans outlays 314
Defense procurement, employment 316
Defense contracts, payrolls 317
World military expenditures 318
Arms transfers, export market shares 319
Military sales and assistance 321
Military forces 322
Military pay 325
Desertion; military reserves, National Guard 326
Veterans, characteristics 327
Veterans benefits 328

Sec. 12. **SOCIAL INSURANCE AND HUMAN SERVICES** 331
Figs. 12.1, 12.2. Social welfare expenditures; Social Security benefit payments 333

Social welfare expenditures 334
Cash and noncash benefits 337
Social insurance programs 338
Social Security (OASDHI) program 340
Pension plan and I.R.A. coverage 344
Public employee retirement plans 345
Medicare; Medicaid 347
Unemployment insurance 350
Workers' compensation 351
Work disability; vocational rehabilitation 352
Public aid 353
Federal food programs 355
Adoptions, orphans, child care 356
Child support and alimony 358
Volunteer work; charitable contributions 359
Foundations; corporate philanthropy 360

Sec. 13. **LABOR FORCE, EMPLOYMENT, AND EARNINGS** 361

Worklife indices 364
Employment status 365
Labor force characteristics 367
Workers on flexible schedules 370
Female labor force 373
Occupational projections 375
Industry projections 380
Unemployment 381
Displaced workers 383
Employees, hours, earnings—Industry 385
Output indexes 390
Employee compensation 391
Employee benefits 397
Collective bargaining settlements 398
Occupational injury rates 400
Labor union membership 401

Sec. 14. **INCOME, EXPENDITURES, AND WEALTH** 403
Fig. 14.1. Relation of GNP, national income, and personal income 404
Fig. 14.2. Gross national product 406

Gross national product 410
National income 411
Personal consumption expenditures 412
Personal income, saving and investment 414
International economic indicators 419
Urban consumer expenditures 420
Household income 422
Family income 427
Per capita income 431
Poverty status 433
Tangible wealth; wealthholders 438
Family assets 440

Digitized by Google

Sec. 15. **PRICES**
Figs. 15.1, 15.2. Producer price indexes; Consumer price indexes

Purchasing power of the dollar 444
Major measures of price change 445
Producer price indexes 447
Consumer price indexes 450
Export and import commodity prices
Food price indexes
Seafood prices; house prices
Rent, fuel, and utility prices

Sec. 16. **BANKING, FINANCE, AND INSURANCE**
Figs. 16.1, 16.2. Interest rates; Consumer credit and mortgage debt

Banking, finance, and insurance summary 464
Flow of funds accounts 467
Public debt securities; financial institutions 470
Banks; banking offices 471
Commercial banks 472
Foreign lending of U.S. banks 475
Savings institutions 476
Mortgage activity 479
Consumer credit, checking accounts
Interest earning assets
Money stock
Money, market interest rates
Bonds and stocks
Security prices; stock exchanges
Mutual funds; life insurance
Property, automobile, and health insurance

Sec. 17. **BUSINESS ENTERPRISE**
Figs. 17.1, 17.2. Corporate profits; Index of net business formation and business failure rate

Business receipts and net income 496
Partnerships 498
Industrial and commercial failures 500
Bankruptcy cases 501
Minority-owned firms 502
Mergers and acquisitions 504
Corporate tax returns 505
Fixed private capital 508
Capital expenditures
Business cyclical indicators
Corporate sales, assets, net income
Corporate profits
Largest public companies
Corporate philanthropy, patents and trademarks

Sec. 18. **COMMUNICATIONS**

Postal service 520
Media utilization and audiences 523
Public broadcasting; cable TV 526
Newspapers
Copyrights; advertising
TV advertising expenditures

Sec. 19. **ENERGY**
Figs. 19.1, 19.2. Energy production, consumption, and imports; Fuel resources

Horsepower, fuels, electricity 534
Energy production and consumption 535
Energy expenditures 537
Residential energy consumption and expenditures 539
Commercial energy consumption and expenditures 541
World energy consumption, production 543
Energy import and export trade
Energy companies
Petroleum and coal; electric energy
Nuclear power; uranium
Gas utilities
Wood consumption; water power; solar energy

Sec. 20. **SCIENCE**
Figs. 20.1, 20.2. Funds used for R&D; Scientists and engineers

R&D funds, outlays 557
Nobel prizes; R&D expenditures 561
Scientists and engineers 562
Space program budget
NASA budget summary
Space shuttle system expenditures

Digitized by Google

Sec. 21. **TRANSPORTATION—LAND** 567
Fig. 21.1. Domestic intercity freight traffic 568

Transport: Outlays; expenditures 569
Employment, earnings; intercity traffic 570
Accidents; outlays 571
Highway finances 573
Motor vehicles: Output, trade, registrations, sales 575
Registrations; drivers licenses 576
Recreational vehicles; recalls 578
Motor vehicle accidents; fatalities 579
Motorcycles; travel characteristics 582
Household transportation; gasoline prices 583
Motor carriers; bus lines 585
Trucking services 586
Railroads; railroad accidents 587
Petroleum, natural gas pipelines 589

Sec. 22. **TRANSPORTATION—AIR AND WATER** 590
Figs. 22.1, 22.2. Domestic air carriers; Airline cost indexes 590

Air carrier finances 592
Air carrier operations summary 593
Cost indexes; regional airlines 594
Civil aviation summary 595
Aerospace industry 597
Waterborne commerce 599
Merchant vessels, shipbuilding 601
Tanker casualties; merchant fleets 602

Sec. 23. **AGRICULTURE** 604
Figs. 23.1, 23.2. Farm income and expenses; Agricultural exports and imports 604

Food and fiber sector; farm population 607
Farms; farm characteristics 608
Irrigation; foreign ownership of land 611
Real estate values 612
Farm balance sheet 613
Farm income, expenses 616
Commodity Credit Corporation 620
Consumer expenditures for farm foods 621
Indexes of farm input; farm machinery 622
Farm labor; productivity 623
Farm output indexes 624
Foreign trade, foreign assistance 625
Crop summaries 627
Principal crops 628
Vegetables; fruits and nuts 632
Red meats 633
Livestock; poultry 634
Dairying 635

Sec. 24. **FORESTS AND FISHERIES** 636
Figs. 24.1, 24.2. Selected timber products; Fisheries—Quantity and value of domestic catch 636

National forest lands and purchases 637
Timber products, consumption 640
Lumber production, consumption 642
Wood products; timber products—Exports and imports 644
Quantity and value of catch; fishermen 645
Disposition of catch, species 646
Catch of principal species, by area 648
Fishery products, fresh and processed 649
Imports; exports 650

Sec. 25. **MINING AND MINERAL PRODUCTS** 651

Mineral summary 652
Production and value, by type of mineral 654
Strategic and critical materials 659
Imports and exports 660
Crude petroleum and refined products 662
Offshore leasing 663
Natural gas 665
Coal and coke; world coal trade 666
Cement; potash; lead 667
Iron ore; gold and silver 668
Lead; copper; cobalt 669
Nickel; tin; tungsten; uranium 670
Zinc; bauxite; aluminum 671
Magnesium; platinum; titanium 672
Chromite; ferroalloys; beryllium 673

Digitized by Google

Sec. 26. CONSTRUCTION AND HOUSING
Figs. 26.1, 26.2. Existing and new houses sold; Recent home buyers
Fig. 26.3. New construction

Construction industries 677
Price and cost indexes 678
Value of new construction 678
Construction contracts 681
New housing units 682
Houses sold; mobile homes 685
Apartments; gross housing product 687
Housing unit characteristics 688
Occupied housing units
Heating equipment; fuels
Appliances; floor space
Vacancy rates, residential property
expenditures
Home buyers, mortgages
Residential finance; public housing; office
vacancy rates
Commercial buildings

Sec. 27. MANUFACTURES
Figs. 27.1, 27.2. Manufactures summary; Capital in manufacturing establishments

Gross national product originating 700
Manufactures—Summary 701
Summary, by industry 702
Summary, by State 708
Finances; capital in manufacturing;
shipments and inventories 710
Value of shipments, by industry 711
Production indexes and capacity 712
Capital expenditures; foreign direct
investments in U.S 713
Export related employment 714
Exports and imports by industry
Beverage industry; alcohol
Tobacco; natural fibers
Textiles, natural and manmade
Clothing; footwear; chemicals; rubber
Iron, steel; mill and foundry
Steel; machine tools; electronics
Robotics
Electronic computing equipment industry
Computer shipments and sales
Home appliances

Sec. 28. DOMESTIC TRADE AND SERVICES
Figs. 28.1, 28.2. National income originating in trade, services; Retail sales

Trade and services summary 732
Retail trade 734
Merchandise line sales; commercial and
institutional groups 739
Franchising
Wholesale trade
Service industries

Sec. 29. FOREIGN COMMERCE AND AID
Figs. 29.1, 29.2. U.S. foreign aid; U.S. international transaction balances

International transactions 756
International investments 758
Foreign assistance 762
Exports and imports, indexes 768
Commodity exports and imports, by
major areas 769
Exports and imports, by country
Exports and imports, by commodity
groups
Value of free and dutiable imports

Sec. 30. OUTLYING AREAS
Fig. 30.1. Selected outlying areas

Population 781
Land area; vital statistics 783
Puerto Rico: Population, education, labor
force, income, banking 785
Puerto Rico: Gross product; net income
Puerto Rico—Business, manufactures,
summary
Guam, Virgin Islands, and Northern
Mariana Islands: Economics

Digitized by Google

Sec. 31. **COMPARATIVE INTERNATIONAL STATISTICS** 790
Fig. 31.1. World population 790

World summary 793
Population and area 793
Projections—Population, birth and death rates 798
Urban population; vital statistics 800
Largest urban areas 801
Suicides; hospital and physician utilization 803
Health expenditures and employment; illiteracy; education expenditures 804
Gross national product 805
Gross domestic product 806
Food consumption 807
Appliances, motor vehicles, waste water treatment 808
Communications 809
Tax revenues 810
Tax rates for Social Security programs; consumer price indexes 811
Labor force and unemployment 812
Manufacturing indexes 813
OECD industrial production; steel production 814
Energy 815
Agriculture 817
Foreign trade 820
Reserve assets; transaction balances 821
Foreign exchange rates 822
Interest rates; public debt 823
Aid to developing countries 825
Military expenditures, personnel 826

APPENDIX I. Guide to sources of statistics 828
Guide to State statistical abstracts 866
Guide to Foreign statistical abstracts 870
APPENDIX II. Metropolitan area concepts and components 872
Population of metropolitan statistical areas 875
APPENDIX III. Statistical methodology and reliability 882
APPENDIX IV. Index to tables having *Historical Statistics, Colonial Times to 1970* series 898
APPENDIX V. Index to tables having *State and Metropolitan Area Data Book* series 900
INDEX 902

Digitized by Google

APPROXIMATE CONVERSIONS

[For information regarding conversion, call or write the Office of Metric Programs, U.S. Department of Commerce, Washington, DC 20230 (202-377-3036)]

Customary				Metric				Metric				Customary
Inches (in)	×	25.400	= millimeters	Millimeters (mm)	×	.039	= inch
Feet (ft)	×	.305	= meters	Meters (m)	×	3.281	= feet
Yards (yd)	×	.914	= meters	Meters (m)	×	1.094	= yards
Miles (mi)	×	1.609	= kilometers	Kilometers (km)	×	.621	= mile
Square inches (in ^{2})	×	6.452	= sq centimeters	Sq centimeters (cm ^{2})	×	.155	= sq inch
Square feet (ft ^{2})	×	.093	= sq meters	Square meters (m ^{2})	×	10.764	= sq feet
Square yards (yd ^{2})	×	.836	= sq meters	Square meters (m ^{2})	×	1.196	= sq yards
Acres	×	.405	= hectares	Hectares (ha)	×	2.471	= acres
Cubic feet (ft ^{3})	×	.028	= cu meters	Cu meters (m ^{3})	×	35.315	= cu feet
Cord (cd)	×	3.625	= cu meters	Liters (l)	×	1.057	= quarts (lq)
Quarts (lq) (qt)	×	.946	= liter	Cu meters (m ^{3})	×	264.172	= gallons
Gallons (gal)	×	.004	= cu meters	Grams (g)	×	.035	= ounce (avdp)
Ounces (avdp) (oz)	×	28.350	= grams	Kilograms (kg)	×	2.205	= pounds (avdp)
Pounds (avdp) (lb)	×	.454	= kilograms	Kilowatts (kW)	×	1.341	= horsepower
Horsepower (hp)	×	.746	= kilowatts	Degrees Celsius	×	9/5+32	= degrees Fahrenheit
Degrees Farenheit (−32)	×	5/9	= degrees Celsius				

UNITS OF LENGTH AND AREA

Customary			Metric	Metric			Customary
Inch (in)			= 25.400 millimeters	Millimeter (mm)	=	.001 meter	= .039 inch
Foot (ft)	=	12 in	= .305 meter	Centimeter (cm)	=	.01 meter	= .394 inch
Yard (yd)	=	36 in or 3 ft	= .914 meter	Decimeter (dm)	=	.1 meter	= 3.937 inches
Mile (mi)	=	5,280 ft	= 1.609 kilometers	Meter (m)			= 3.281 feet
In ^{2} (sq in)			= 6.452 cm ^{2}	Kilometer (km)	=	1,000 meters	= .621 mile
Ft ^{2} (sq ft)	=	144 sq in	= .093 m ^{2}	Sq millimeter (mm ^{2})	=	.000001 m ^{2}	= .002 sq in
Yd ^{2} (sq yd)	=	1,296 sq in or 9 sq ft	= .836 m ^{2}	Sq centimeter (cm ^{2})	=	.0001 m ^{2}	= .155 sq in
				Sq decimeter (dm ^{2})	=	.01 m ^{2}	= 15.5 sq in
Acre	=	43,560 sq ft	= .405 ha	Sq meter (m ^{2})			= 10.764 sq ft
Mile ^{2} (sq mi)	=	640 acres	= 2.590 km ^{2}	Hectare (ha)	=	10,000 m ^{2}	= 2.471 acres
				Sq kilometer (km ^{2})	=	1,000,000 m ^{2}	= .386 sq mi

UNITS OF WEIGHT (OR MASS)

Customary				Metric	Metric			Customary
	Avoirdupois [1]							
Grain			= .065 gram	Gram (g)				= .035 oz avdp or .032 oz troy
Ounce (oz avdp)	=	437.5 grains or 16 drams	= 28.350 grams	Dekagram (dag)	=	10 g	= .353 oz avdp or .322 oz troy
Pound (lb avdp)	=	7,000 grains or 16 ounces	= .454 kilogram	Hectogram (hg)	=	10g	= 3.527 oz avdp or 3.215 oz troy
Hundredweight (cwt)	=	100 pounds	= 45.359 kg					
Ton, short (tn)	=	2,000 pounds	= .907 metric ton					
Ton, long	=	2,240 pounds Troy [2]	= 1.016 metric tons	Kilogram (kg)	=	1,000 g	= 2.205 lb avdp or 2.679 lb troy
Ounce (oz troy) [2]	=	480 grains	= 31.104 grams	Metric ton	=	1,000 kg	= 1.102 short tons	
Pound (lb troy)	=	5,760 grains or 12 ounces	= .373 kilogram					or .984 long ton

UNITS OF CAPACITY

Customary			Metric	Customary			Metric
	Liquid				Dry		
Fluid ounce (fl oz)			= 29.574 mL	Pint (pt)			= .551 dm ^{3}
Pint (pt)	=	16 fl oz	= .473 liter	Quart (qt)	=	2 pints	= 1.101 dm ^{3}
Quart (qt)	=	32 fl oz or 2 pt	= .946 liter	Peck (pk)	=	8 quarts	= 8.810 dm ^{3}
Gallon (gal)	=	8 pt or 4 qt	= 3.785 liters	Bushel (bu)	=	32 quarts	= 35.238 dm ^{3}

Metric		Customary	
Milliliter (mL)	= .001 liter	= .034 fl oz (liquid)	= .002 pt (dry)
Liter (L)		= 1.057 qt (liquid)	= .908 qt (dry)
Hectoliter (hL)	= 100 liters	= 26.417 gal (liquid)	= 90.808 qt (dry)

[1] For weighing ordinary commodities [2] For weighing precious metals, jewels, etc. [3] Also known as fine ounces

The following symbols used in the tables throughout this book, are explained in condensed form in footnotes to the tables where they appear:

- – Represents zero or rounds to less than half the unit of measurement shown.
- B Base figure too small to meet statistical standards for reliability of derived figure.
- D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual.
- NA Data not enumerated, tabulated, or otherwise available separately.
- NS Percent change irrelevant or insignificant.
- S Figure does not meet publication standards for reasons other than that covered by symbol B, above.
- X Figure not applicable because column heading and stub line make an entry impossible, absurd, or meaningless.
- Z Entry would amount to less than half the unit of measure shown.

In many tables, details will not add to the totals shown because of rounding.

Example of table structure:

Table Number and title } No. 55. Householder and Marital Status of Population, 15 Years Old and Over: 1986

[In thousands, except percent. As of March. See headnote, table 47] ← Headnote

Unit indicator

Footnote indicator

Parallel rule

Householder and marital status	Total, 15 yrs and over	Male					Female					Spanner / Column heads
		Total[1]	20–24 years	25–44 years	45–64 years	65 yr and over	Total[1]	20–24 years	25–44 years	45–64 years	65 yr and over	
Total persons	164,829	86,474	9,789	36,911	21,320	11,272	96,354	10,160	37,850	23,494	16,849	
Householder	86,458	61,038	3,215	26,347	19,159	10,094	27,420	1,862	10,062	6,792	8,502	
Single	11,908	6,026	1,267	3,502	718	396	5,782	1,284	3,126	660	544	
Married, spouse present	50,933	47,976	1,799	21,870	16,211	7,996	2,957	215	1,624	807	293	
Married, spouse absent	4,084	1,533	66	804	509	156	2,551	200	1,426	690	223	
Widowed	11,363	1,664	6	58	397	1,203	6,699	11	391	2,437	6,861	
Divorced	10,269	3,839	58	2,114	1,324	343	6,430	151	3,494	2,199	580	
Not householder	96,370	27,436	6,572	8,566	2,160	1,178	68,934	8,299	27,588	16,812	7,548	
Single	36,722	20,544	6,100	4,816	540	192	16,178	4,596	2,553	351	284	
Married, spouse present	52,475	3,728	290	1,967	939	497	48,747	3,361	23,594	15,502	5,890	
Married, spouse absent	1,834	1,043	102	665	201	57	791	178	396	131	44	
Widowed	2,053	502	10	27	128	337	1,551	5	59	250	1,238	
Divorced	3,286	1,619	70	1,088	353	104	1,667	159	986	377	122	
PERCENT DISTRIBUTION												
Total persons	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Householder	47.8	69.0	32.6	76.8	89.8	89.5	28.5	18.3	26.7	29.0	53.0	
Single	6.4	6.6	13.1	9.5	3.4	3.5	6.0	12.6	8.3	2.8	3.4	
Married, spouse present	27.6	54.2	18.4	59.3	76.0	70.9	3.1	2.1	4.3	3.4	1.8	
Married, spouse absent	2.2	1.7	.7	2.2	2.4	1.4	2.6	2.0	3.8	2.8	1.4	
Widowed	6.1	1.9	1	.2	1.9	10.7	10.1	1	1.0	10.4	42.6	
Divorced	5.6	4.3	.6	5.7	6.2	3.0	6.7	1.5	9.3	6.4	3.6	
Not householder	52.1	31.0	67.1	23.2	10.1	10.5	71.5	81.7	73.3	71.0	47.0	
Single	19.9	23.2	62.3	13.1	2.5	1.6	16.8	45.2	6.6	1.5	1.8	
Married, spouse present	28.4	4.2	3.0	5.3	4.4	4.4	50.6	33.1	62.7	66.2	36.5	
Married, spouse absent	1.0	1.2	1.0	1.8	.8	.5	.8	1.8	1.1	.8	.3	
Widowed	1.1	.6	.1	.1	.8	3.0	1.6	–	.2	1.1	7.7	
Divorced	1.8	1.8	.7	2.9	1.7	.5	1.7	1.6	2.6	1.8	.8	

Stub — Field

Footnotes → – Represents zero or rounds to zero. [1] Includes 15–19 year olds.
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 418, and earlier reports.

Heavy rule

Headnotes immediately below table titles provide information important for correct interpretation or evaluation of the table as a whole or for a major segment of it.

Footnotes below the bottom rule of tables give information relating to specific items or figures within the table.

Unit indicators ("In thousands," "In millions of dollars," etc.) are usually given in boldface type as the first elements of the headnote. In tables where several units are used, the unit indicators are generally given in the stub or unit column or in the column headings.

Parallel vertical rules are used to the right of a total column to indicate—

(1) that the components which follow add to the total (e.g., tables 1, 18, 35, etc.);

(2) in the case of derived figures, that the underlying data are additive to their total (e.g., table 18 for ratios, table 51 for percentages, table 84 for rates and table 88 for medians).

Heavy vertical rules are used—

(1) in tables where the stub is continued into one or more additional columns across the table to separate each segment of stub and its accompanying data columns from the continued segments (e.g., tables 2, 8, 10, etc.);

(2) to set off independent sections of a table (e.g., tables 1, 6, 22, etc.).

Digitized by Google

Averages. An average is a single number or value that is often used to represent the "typi value" of a group of numbers. It is regarded as a measure of "location" or "central tendency" o group of numbers.

The *arithmetic mean* is the type of average used most frequently. It is derived by summing individual item values of a particular group and dividing the total by the number of items. The ar metic mean is often referred to as simply the "mean" or "average."

The *median* of a group of numbers is the middle number or value when each item in the grou arranged according to size (lowest to highest or vice versa); it generally has the same numbe items above it as below it. If there is an even number of items in the group, the median is take be the average of the two middle items.

Per capita (or per person) quantities. A per capita figure represents an average computed every person in a specified group (or population). It is derived by taking the total for an item (s as income, taxes, or retail sales) and dividing it by the number of persons in the specified pop tion.

Index numbers. An index number is a measure of difference or change, usually expressed percent, relating one quantity (the variable) of a specified kind to another quantity of the same Index numbers are widely used to express changes in prices over periods of time but may als used to express differences between related subjects for a single point in time.

To compute a price index, a base year or period is selected. The base year price (of the modity or service) is then designated as the base or reference price to which the prices for years or periods are related. Many price indexes use the year 1967 as the base year; in table is shown as "1967=100." A method of expressing the price relationship is:

$$\frac{\text{Price of a set of one or more items for related year}}{\text{Price of the same set of items for base year}}$$

The result multiplied by 100 provides the index number. When 100 is subtracted from the number, the result equals the percent change in price from the base year.

Average annual percent change. Unless otherwise stated in the *Abstract* (as in Section 1, lation), average annual percent change is computed by use of a *compound interest formul* formula assumes that the rate of change is constant throughout a specified compounding (one year for average annual rates of change). The formula is similar to that used to comp balance of a savings account which receives compound interest. According to this formula end of a compounding period the amount of accrued change (e.g., school enrollment or bar est) is added to the amount which existed at the beginning of the period. As a result, ov (e.g., with each year or quarter), the same rate of change is applied to a larger and large

The *exponential formula*, which is based on continuous compounding, is often used to r population change. It is preferred by population experts because they view population and tion-related subjects as changing without interruption, ever ongoing. Both exponential ar pound interest formulas assume a constant rate of change. The former, however, app amount of change continuously to the base rather than at the end of each compoundinç

When the average annual rates are small (e.g., less than 5 percent), both formulas give the same results. For an explanation of these two formulas as they relate to population, Bureau of the Census, *The Methods and Materials of Demography*, vol. 2, 3d printing (rev pp. 372-381.

Current and constant dollars. Statistics in some tables in a number of sections are e in both current and constant dollars (see, for example, table 668, section 14). Current doll reflect actual prices or costs prevailing during the specified year(s). Constant dollar figures mates representing an effort to remove the effects of price changes from statistical series in dollar terms. In general, constant dollar series are derived by dividing current dollar est the appropriate price index for the appropriate period (for example, the Consumer Price In result is a series as it would presumably exist if prices were the same throughout, as in year—in other words as if the dollar had constant purchasing power. Any changes in this dollar series would reflect only changes in real volume of output, income, expenditures measure.

Digitized by Google



State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	RESIDENT POPULATION [1] (July 1)											
	Total, [2] 1987		Percent change, [3] 1980–87		Per square mile, [4] 1987		Projections, [5] 1990		Under 18 years old, [6] 1986		65 years old and over, [6] 1986	
	Number (1,000)	Rank	Percent	Rank	Number	Rank	Number (1,000)	Rank	Percent	Rank	Percent	Rank
United States	**243,400**	(x)	**7.4**	(x)	**69**	(x)	**249,891**	(x)	**26.2**	(x)	**12.1**	(x)
New England	**12,844**	(x)	**4.0**	(x)	**204**	(x)	**13,078**	(x)	**23.8**	(x)	**13.3**	(x)
Maine	1,187	38	5.5	24	38	36	1,212	38	25.8	36	13.3	13
New Hampshire	1,057	40	14.8	9	118	19	1,142	39	25.3	39	11.6	32
Vermont	548	48	7.2	20	59	30	582	49	25.9	34	11.9	30
Massachusetts	5,855	13	2.1	40	748	3	5,880	13	23.0	49	13.6	10
Rhode Island	988	43	4.1	32	935	2	1,002	43	23.3	46	14.6	3
Connecticut	3,211	28	3.3	35	659	4	3,279	26	23.8	47	13.3	14
Middle Atlantic	**37,433**	(x)	**1.8**	(x)	**375**	(x)	**37,490**	(x)	**24.3**	(x)	**13.4**	(x)
New York	17,825	2	1.5	43	376	6	17,773	2	24.6	44	12.8	18
New Jersey	7,672	9	4.2	29	1,027	1	7,899	9	24.0	45	12.9	17
Pennsylvania	11,936	5	.6	46	266	8	11,827	5	24.0	46	14.8	2
East North Central	**41,904**	(x)	**.5**	(x)	**172**	(x)	**42,055**	(x)	**26.7**	(x)	**12.0**	(x)
Ohio	10,784	7	-.1	47	263	9	10,791	7	26.5	24	12.3	22
Indiana	5,531	14	.7	45	154	15	5,550	14	26.8	21	11.9	29
Illinois	11,582	6	1.4	44	206	11	11,612	6	26.5	26	12.0	27
Michigan	9,200	8	-.7	48	162	14	9,293	8	27.0	19	11.4	35
Wisconsin	4,807	17	2.1	39	88	24	4,808	17	26.6	23	13.0	15
West North Central	**17,634**	(x)	**2.8**	(x)	**35**	(x)	**17,722**	(x)	**26.3**	(x)	**13.5**	(x)
Minnesota	4,246	21	4.2	30	53	32	4,324	21	26.3	26	12.5	19
Iowa	2,834	29	-2.7	50	51	33	2,758	30	26.2	31	14.5	4
Missouri	5,103	15	3.6	33	74	27	5,192	15	25.6	35	13.7	7
North Dakota	672	46	2.9	36	10	45	660	47	27.9	11	13.0	16
South Dakota	709	45	2.7	38	9	46	708	45	27.9	12	13.9	6
Nebraska	1,594	36	1.6	42	21	41	1,588	37	26.7	22	13.6	9
Kansas	2,476	32	4.7	26	30	38	2,492	32	26.3	29	13.4	12
South Atlantic	**41,884**	(x)	**12.8**	(x)	**156**	(x)	**43,742**	(x)	**25.1**	(x)	**12.8**	(x)
Delaware	644	47	6.3	17	333	7	666	46	25.3	40	11.4	34
Maryland	4,535	19	7.5	19	461	5	4,729	18	24.9	41	10.6	37
District of Columbia	622	(x)	-2.6	(x)	9,871	(x)	614	(x)	22.0	(x)	12.2	(x)
Virginia	5,904	12	10.4	13	149	16	6,157	12	24.9	42	10.5	40
West Virginia	1,897	34	-2.7	49	79	26	1,856	34	24.3	30	13.6	8
North Carolina	6,413	10	9.0	16	131	17	6,690	10	25.6	37	11.5	33
South Carolina	3,425	24	9.7	15	113	20	3,549	25	27.6	13	10.5	39
Georgia	6,222	11	13.9	11	107	21	6,663	11	28.1	10	10.0	43
Florida	12,023	4	23.4	4	222	10	12,818	4	22.5	50	17.7	1
East South Central	**15,298**	(x)	**4.3**	(x)	**98**	(x)	**15,597**	(x)	**27.4**	(x)	**12.2**	(x)
Kentucky	3,727	23	1.8	41	94	23	3,745	24	27.0	18	12.0	26
Tennessee	4,855	16	5.7	23	118	18	4,972	16	26.0	32	12.3	23
Alabama	4,083	22	4.9	25	80	25	4,161	22	27.5	14	12.2	24
Mississippi	2,625	31	4.1	31	56	31	2,699	31	30.5	4	12.0	26
West South Central	**26,910**	(x)	**13.3**	(x)	**63**	(x)	**27,937**	(x)	**29.1**	(x)	**10.4**	(x)
Arkansas	2,388	33	4.5	27	46	35	2,427	33	27.2	17	14.5	5
Louisiana	4,461	20	6.1	21	100	22	4,513	20	29.9	7	10.1	42
Oklahoma	3,272	27	6.2	18	48	34	3,265	27	27.2	16	12.4	20
Texas	16,789	3	18.0	5	64	29	17,712	3	29.5	6	9.5	46
Mountain	**13,167**	(x)	**15.8**	(x)	**15**	(x)	**13,995**	(x)	**29.0**	(x)	**10.2**	(x)
Montana	809	44	2.9	37	6	48	805	44	26.2	9	12.1	25
Idaho	998	42	5.8	22	12	44	1,017	42	31.0	3	11.2	36
Wyoming	490	50	4.4	28	5	49	502	50	30.5	5	6.4	46
Colorado	3,296	26	14.1	10	32	37	3,434	26	26.5	25	9.0	47
New Mexico	1,500	37	15.1	7	12	43	1,632	36	30.0	6	9.6	44
Arizona	3,386	25	24.6	3	30	39	3,752	23	27.4	15	12.3	21
Utah	1,680	35	15.0	8	20	42	1,776	35	37.2	1	8.0	49
Nevada	1,007	41	25.6	2	9	47	1,076	41	24.6	43	10.3	41
Pacific	**36,533**	(x)	**14.9**	(x)	**41**	(x)	**38,265**	(x)	**26.3**	(x)	**10.8**	(x)
Washington	4,538	18	9.8	14	66	28	4,857	19	25.9	33	11.7	31
Oregon	2,724	30	3.4	34	26	40	2,766	29	25.4	38	13.4	11
California	27,663	1	16.9	6	177	12	29,126	1	26.3	27	10.6	38
Alaska	525	49	30.7	1	1	50	576	48	32.1	2	3.4	50
Hawaii	1,083	39	12.2	12	188	13	1,141	40	26.9	20	9.7	45

X Not applicable.
[1] Source: U.S. Bureau of the Census.
[2] See table 21, 1988 Statistical Abstract.
[3] See table 25, 1988 Statistical Abstract.
[4] See table 21, 1988 Statistical Abstract.
[5] See table 27, 1988 Statistical Abstract.
[6] See table 26, 1988 Statistical Abstract.

Percent change, April 1, 1980–July 1, 1986. Minus sign (-) indicates decrease.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical valu shown, but different ranks]

DIVISION AND STATE	RESIDENT POPULATION IN METRO AREAS, [1] [2] 1986		HOUSEHOLDS, PERCENT CHANGE, [1] [2] 1980–86		BIRTH RATE, [4] [5] 1985		BIRTHS, [4] [6] 1985				ABORTIONS PER 1,000 WOMEN [7] 15–44 YR OLD 1985	
							To teenage mothers		To unmarried women			
	Percent	Rank	Percent	Rank	Rate	Rank	Percent	Rank	Percent	Rank	Rate	Ra
United States	**76.6**	(x)	**10.5**	(x)	**15.8**	(x)	**12.7**	(x)	**22.0**	(x)	**29.0**	
New England	**80.7**	(x)	**8.4**	(x)	**14.2**	(x)	**9.2**	(x)	**18.6**	(x)	**28.8**	
Maine	36.1	44	11.0	22	14.5	39	11.7	25	17.8	34	18.6	
New Hampshire	56.4	33	17.1	8	15.5	26	8.3	46	13.4	46	29.0	
Vermont	23.1	49	12.1	17	15.0	32	9.8	39	17.1	37	26.2	
Massachusetts	90.8	7	6.9	39	14.1	44	8.5	47	18.4	29	29.3	
Rhode Island	92.5	5	7.5	33	13.5	49	10.8	30	19.6	25	35.5	
Connecticut	92.6	4	7.4	34	13.9	47	9.2	43	21.3	22	29.3	
Middle Atlantic	**90.6**	(x)	**5.7**	(x)	**14.1**	(x)	**10.4**	(x)	**25.3**	(x)	**37.6**	
New York	90.5	8	5.2	43	14.8	38	10.0	37	28.1	4	47.4	
New Jersey	100.0	1	6.9	28	14.0	46	9.8	39	22.3	17	39.6	
Pennsylvania	84.6	9	4.5	46	13.5	48	11.5	27	22.8	15	21.3	
East North Central	**77.3**	(x)	**4.7**	(x)	**15.2**	(x)	**12.6**	(x)	**21.4**	(x)	**22.1**	
Ohio	78.6	16	4.3	47	14.9	33	13.3	19	21.8	19	22.4	
Indiana	68.0	22	5.2	44	14.7	36	14.1	14	19.8	24	12.2	
Illinois	82.4	11	4.7	45	15.7	23	12.5	20	25.7	9	23.8	
Michigan	80.2	15	3.8	48	15.2	30	12.1	22	18.1	31	28.7	
Wisconsin	66.5	25	6.9	38	15.4	28	10.2	35	18.1	31	15.7	
West North Central	**55.8**	(x)	**6.4**	(x)	**15.6**	(x)	**10.3**	(x)	**16.6**	(x)	**16.7**	
Minnesota	65.6	28	8.3	31	16.1	19	7.5	50	15.1	42	16.6	
Iowa	42.9	40	1.7	50	14.3	41	9.3	42	13.6	45	15.0	
Missouri	65.9	27	6.6	40	15.3	29	13.5	18	21.6	20	17.3	
North Dakota	37.3	42	8.7	29	17.1	12	7.8	49	11.5	48	18.5	
South Dakota	28.2	47	7.8	32	17.1	11	10.2	35	17.9	33	10.8	
Nebraska	46.9	37	5.8	42	15.9	22	9.1	44	14.8	43	18.2	
Kansas	52.0	35	7.2	36	16.2	17	11.4	28	14.7	44	16.2	
South Atlantic	**73.5**	(x)	**16.2**	(x)	**14.9**	(x)	**14.8**	(x)	**25.2**	(x)	**27.1**	
Delaware	66.0	26	12.1	16	15.5	27	13.7	16	26.2	7	30.9	
Maryland	92.9	3	11.2	20	15.5	25	12.1	22	29.1	2	26.9	
District of Columbia	100.0	(x)	–.9	(x)	15.6	(x)	17.8	(x)	56.7	(x)	145.6	
Virginia	71.5	20	13.9	15	15.1	31	12.2	21	21.4	21	24.0	
West Virginia	36.6	43	3.4	49	12.5	50	17.1	7	17.4	35	10.1	
North Carolina	55.0	34	14.5	11	14.3	42	16.0	10	22.1	18	22.6	
South Carolina	60.2	31	14.2	13	15.6	24	17.0	9	26.4	5	13.	
Georgia	64.3	29	17.5	7	16.1	18	17.3	5	25.7	9	26.	
Florida	90.9	8	23.8	4	14.4	40	13.9	15	25.8	8	31.	
East South Central	**54.5**	(x)	**9.0**	(x)	**14.7**	(x)	**18.2**	(x)	**24.8**	(x)	**15.**	
Kentucky	45.5	38	7.3	35	14.2	43	17.6	4	18.5	27	11	
Tennessee	66.8	24	10.2	23	14.0	45	17.1	7	24.3	13	19	
Alabama	64.1	30	9.1	26	14.9	35	17.9	3	24.9	11	20	
Mississippi	30.0	45	9.0	27	16.6	14	20.8	1	32.9	1	9	
West South Central	**72.4**	(x)	**16.3**	(x)	**19.0**	(x)	**16.0**	(x)	**19.0**	(x)	**21**	
Arkansas	39.3	41	6.5	30	14.9	34	19.2	2	22.4	16	10	
Louisiana	69.1	21	11.0	21	16.2	7	17.3	5	26.6	3	17	
Oklahoma	58.5	32	12.2	18	16.1	20	15.8	11	17.2	36	1	
Texas	80.7	14	20.0	5	18.8	4	15.3	13	16.4	40	2	
Mountain	**65.2**	(x)	**18.1**	(x)	**18.4**	(x)	**11.7**	(x)	**17.7**	(x)	**2**	
Montana	24.4	48	7.1	37	16.4	15	9.9	38	16.8	38	1	
Idaho	19.4	50	9.8	25	17.5	9	10.5	32	10.8	49	1	
Wyoming	28.8	46	9.9	24	16.4	8	11.6	26	13.3	47		
Colorado	81.8	12	16.8	9	17.0	13	10.4	33	16.6	39	2	
New Mexico	47.8	36	16.4	8	19.1	3	15.5	12	26.3	6	1	
Arizona	75.4	19	26.3	2	18.8	5	13.7	18	23.9	14	2	
Utah	77.0	17	14.8	10	22.8	2	8.9	45	8.7	50		
Nevada	82.5	10	25.1	3	16.4	16	12.1	22	15.6	41		
Pacific	**90.4**	(x)	**13.4**	(x)	**17.5**	(x)	**10.7**	(x)	**23.2**	(x)		
Washington	81.0	13	11.9	19	15.9	21	10.3	34	18.5	27		
Oregon	67.4	23	8.8	41	14.7	37	10.6	31	16.7	28		
California	95.7	2	14.0	14	17.9	8	10.9	29	24.6	12		
Alaska	44.0	39	36.2	1	24.8	1	8.7	46	18.3	30		
Hawaii	76.9	18	14.4	12	17.4	10	9.8	39	19.9	23		

X Not applicable. [1] Source: U.S. Bureau of the Census. [2] See table 33, 1988 Statistical Abstract. metropolitan statistical areas as defined June 30, 1987. [3] See table 81, 1988 Statistical Abstract. Percent ch 1980–July 1, 1986. Minus sign (–) indicates decrease. [4] Source: U.S. National Center for Health Statistics. 85, 1988 Statistical Abstract. Registered births per 1,000 population, by place of residence. [5] See table 89, 1 Abstract. [7] See table 104, 1988 Statistical Abstract. Source: The Alan Guttmacher Institute, New York, NY.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	INFANT MORTALITY RATE, [1] [2] 1985		PHYSICIANS PER 100,000 POPULATION, [3] 1985		HOSPITALS						PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, PERCENT CHANGE, [7] 1980–85	
					Beds per 100,000 population, [4] 1985		Occupancy rate, [4] [5] 1985		Average daily room charges, [6] 1987			
	Rate	Rank	Rate	Rank	Rate	Rank	Rate	Rank	Dollars	Rank	Percent	Rank
United States	**10.8**	(x)	**204**	(x)	**548**	(x)	**69.5**	(x)	**244**	(x)	**-3.6**	(x)
New England	**9.2**	(x)	**271**	(x)	**598**	(x)	**77.8**	(x)	(NA)	(x)	**-13.3**	(x)
Maine	9.1	42	170	29	549	26	71.4	12	222	23	-7.2	37
New Hampshire	9.3	40	183	22	450	40	70.0	15	219	25	-3.6	23
Vermont	8.5	47	239	8	542	27	72.2	11	257	13	-6.3	34
Massachusetts	9.1	42	311	2	696	5	79.0	5	262	10	-17.4	50
Rhode Island	8.2	50	229	7	558	23	79.9	3	248	15	-10.1	45
Connecticut	10.0	30	282	4	505	35	80.1	2	247	16	-13.0	49
Middle Atlantic	**10.8**	(x)	**258**	(x)	**624**	(x)	**80.6**	(x)	(NA)	(x)	**-10.1**	(x)
New York	10.8	20	298	3	647	7	86.0	1	262	10	-8.7	42
New Jersey	10.6	24	227	8	552	25	79.8	4	215	27	-10.4	48
Pennsylvania	11.0	17	219	9	634	12	73.1	9	294	4	-11.6	48
East North Central	**10.9**	(x)	**183**	(x)	**548**	(x)	**67.7**	(x)	(NA)	(x)	**-8.4**	(x)
Ohio	10.3	27	186	20	557	24	67.0	22	253	14	-8.3	40
Indiana	10.9	18	146	40	540	29	66.6	24	208	30	-8.5	41
Illinois	11.7	10	205	12	577	19	67.7	20	279	5	-7.9	39
Michigan	11.4	13	178	24	497	37	70.6	14	296	3	-9.3	44
Wisconsin	9.1	42	175	26	574	20	65.8	26	174	42	-7.5	38
West North Central	**9.5**	(x)	**174**	**88**	**674**	(x)	**64.9**	(x)	(NA)	(x)	**-5.5**	(x)
Minnesota	8.6	45	207	11	646	9	67.8	19	228	19	-6.5	35
Iowa	9.5	37	139	45	646	10	62.1	38	194	33	-9.2	43
Missouri	10.2	29	184	21	638	11	67.5	21	209	29	-5.9	32
North Dakota	8.5	47	159	36	891	1	63.5	35	186	36	1.7	13
South Dakota	9.9	31	132	48	819	2	60.6	43	174	42	-3.8	27
Nebraska	9.8	35	159	35	723	3	62.1	40	174	42	-5.0	31
Kansas	9.3	40	165	31	698	4	62.1	38	213	28	-1.2	19
South Atlantic	**12.1**	(x)	**201**	(x)	**543**	(x)	**69.8**	(x)	(NA)	(x)	**-2.4**	(x)
Delaware	14.6	1	189	16	611	14	75.6	8	279	5	-6.1	33
Maryland	11.9	7	315	1	514	34	77.9	6	219	25	-10.5	47
District of Columbia	20.8	(x)	573	(x)	1,332	(x)	80.0	(x)	374	(x)	-13.0	(x)
Virginia	11.5	12	200	14	526	30	71.3	13	180	39	-4.2	29
West Virginia	10.7	22	181	34	599	17	64.4	30	184	37	-6.6	36
North Carolina	11.8	9	171	28	501	36	69.7	18	151	49	-3.8	25
South Carolina	14.2	2	149	39	462	38	72.7	10	156	47	-1.9	21
Georgia	12.7	4	163	33	564	21	68.9	17	160	46	1.0	14
Florida	11.3	15	198	16	541	28	65.2	29	208	30	3.5	7
East South Central	**12.1**	(x)	**153**	(x)	**611**	(x)	**66.2**	(x)	(NA)	(x)	**-3.7**	(x)
Kentucky	11.2	16	153	38	520	33	66.5	25	199	32	-3.9	28
Tennessee	11.4	13	179	23	654	6	66.1	18	170	45	-4.7	30
Alabama	12.6	5	144	41	619	13	65.7	27	188	34	-3.6	26
Mississippi	13.7	3	119	50	647	8	63.8	34	125	50	-1.3	20
West South Central	**10.4**	(x)	**162**	(x)	**540**	(x)	**61.6**	(x)	(NA)	(x)	**5.3**	(x)
Arkansas	11.6	11	140	44	564	22	59.0	45	154	48	-3.3	22
Louisiana	11.9	7	178	25	602	16	64.0	33	186	34	1.9	12
Oklahoma	10.9	18	140	43	520	32	60.6	50	177	41	2.4	11
Texas	9.8	33	164	32	524	31	61.4	42	184	37	8.0	3
Mountain	**9.8**	(x)	**173**	(x)	**433**	(x)	**62.3**	(x)	(NA)	(x)	**5.3**	(x)
Montana	10.3	27	140	42	594	18	58.9	47	221	24	-.6	17
Idaho	10.4	26	120	49	418	42	58.4	48	223	22	3.0	9
Wyoming	12.2	6	130	48	606	15	59.0	45	179	40	5.1	5
Colorado	9.4	39	200	15	448	41	64.3	32	243	18	.5	15
New Mexico	10.6	24	166	30	455	39	65.8	28	227	20	2.8	10
Arizona	9.7	34	187	19	410	46	64.4	30	259	12	6.6	4
Utah	9.6	35	174	27	310	50	62.0	41	244	17	17.2	2
Nevada	8.5	47	159	37	416	44	58.7	49	227	20	4.0	6
Pacific	**9.7**	(x)	**231**	(x)	**411**	(x)	**66.1**	(x)	(NA)	(x)	**2.4**	(x)
Washington	10.7	22	202	13	386	48	62.6	37	266	8	-1.1	18
Oregon	9.9	31	194	17	413	45	59.4	44	263	9	-3.7	24
California	9.5	37	242	5	417	43	67.0	22	327	2	3.4	8
Alaska	10.8	20	132	47	364	49	62.7	36	372	1	23.0	1
Hawaii	8.8	45	215	10	390	47	76.7	7	267	7	-.6	18

NA Not available. X Not applicable. [1] Source: U.S. National Center for Health Statistics. [2] See table 116, 1988 Statistical Abstract. Represents deaths of infants under 1 year old per 1,000 live births, by place of residence. Excludes fetal deaths. [3] See table 145, 1988 Statistical Abstract. Source: American Medical Association, Chicago, IL (Copyright). Covers active non–Federal physicians and includes physicians not classified according to activity status. [4] See table 156, 1988 Statistical Abstract. Source: American Hospital Association, Chicago, IL (Copyright). [5] Ratio of average daily census to every 100 beds. [6] See table 159, 1988 Statistical Abstract. Source: Health Insurance Association of America, Washington, DC. As of January. Covers non–government short–term general hospitals and represents average cost to patient for semi–private room. [7] See table 208, 1988 Statistical Abstract. Source: U.S. Department of Education, Center for Education Statistics. Minus sign (–) indicates decrease.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical valu shown, but different ranks]

DIVISION AND STATE	PUBLIC ELEMENTARY AND SECONDARY SCHOOLS [1]				CRIME RATE PER 100,000 POPULATION, [4] 1986		FEDERAL AND STATE PRISONERS, [5]				VOTING-A POPULATI CASTING VI FOR U.S REPRESEN TIVES, 1986	
	Teachers' average salaries, [2] 1987		Current expenditures per pupil, [3] 1987				Rate per 100,000 population, 1986		Percent change 1980–86			
	Dollars	Rank	Dollars	Rank	Rate	Rank	Rate	Rank	Percent	Rank	Percent	
United States	**26,551**	(x)	**3,970**	(x)	**5,480**	(x)	**226.8**	(x)	**65.7**	(x)	33.4	
New England	(NA)	(x)	(NA)	(x)	**4,503**	(x)	**131.3**	(x)	**68.4**	(x)	37.4	
Maine	21,257	46	3,650	28	3,461	43	112.2	43	61.7	29	48.3	
New Hampshire	22,011	41	3,396	33	3,330	45	76.1	46	139.9	4	31.1	
Vermont	21,835	42	4,459	12	3,977	38	125.0	39	40.8	41	47.0	
Massachusetts	28,410	9	4,856	6	4,723	26	97.4	46	78.3	16	33.4	
Rhode Island	31,079	5	4,574	11	4,902	22	139.6	36	67.4	22	40.8	
Connecticut	28,902	6	5,552	5	4,829	24	216.5	19	60.3	31	40.2	
Middle Atlantic	(NA)	(x)	(NA)	(x)	**4,810**	(x)	**176.2**	(x)	**83.1**	(x)	31.0	
New York	32,000	2	6,299	2	5,768	14	216.3	20	76.3	18	29.1	
New Jersey	28,718	8	6,120	4	5,241	20	157.6	31	104.3	9	26.7	
Pennsylvania	27,422	16	4,752	8	3,102	46	127.9	38	86.0	13	36.6	
East North Central	(NA)	(x)	(NA)	(x)	**5,058**	(x)	**188.2**	(x)	**53.5**	(x)	37.0	
Ohio	26,288	21	3,769	24	4,359	31	208.9	21	66.5	23	38.8	
Indiana	26,083	22	3,379	34	3,855	42	184.9	25	52.3	33	38.6	
Illinois	28,238	11	3,980	20	5,546	17	168.4	30	63.5	27	35.5	
Michigan	31,500	3	3,954	21	6,491	9	226.8	15	37.1	43	34.8	
Wisconsin	27,976	13	4,701	9	4,097	37	119.1	41	43.1	39	39.3	
West North Central	(NA)	(x)	(NA)	(x)	**4,296**	(x)	**139.8**	(x)	**63.4**	(x)	43.4	
Minnesota	26,340	10	4,241	14	4,362	30	58.4	50	23.0	46	44.8	
Iowa	22,603	36	3,740	27	4,151	36	97.4	45	11.9	49	42.4	
Missouri	23,468	31	3,345	35	4,654	27	207.0	22	83.1	14	38.0	
North Dakota	21,284	45	3,209	37	2,605	49	62.0	49	66.4	24	58.6	
South Dakota	16,781	50	3,190	38	2,716	48	147.6	34	84.6	25	56.5	
Nebraska	22,063	39	3,437	32	3,856	41	122.2	40	35.1	44	47.4	
Kansas	23,427	32	4,137	16	4,623	25	220.5	17	117.5	6	43.1	
South Atlantic	(NA)	(x)	(NA)	(x)	**5,724**	(x)	**284.3**	(x)	**47.6**	(x)	26.1	
Delaware	27,467	15	4,776	7	4,832	23	446.8	3	91.9	12	33.3	
Maryland	28,893	7	4,659	10	5,602	16	298.6	6	72.4	21	31.1	
District of Columbia	33,797	(x)	5,349	(x)	8,339	(x)	1,077.6	(x)	114.5	(x)	26.1	
Virginia	25,473	24	3,909	22	3,860	40	223.4	18	45.0	38	23.1	
West Virginia	21,446	44	2,959	42	2,317	50	77.3	47	17.9	47	28.1	
North Carolina	23,775	29	3,473	31	4,332	33	280.5	11	14.5	48	33.1	
South Carolina	23,190	34	3,005	41	5,137	21	345.8	4	46.5	37	29.1	
Georgia	24,200	26	3,167	39	5,455	19	284.5	9	42.6	40	24.1	
Florida	23,785	28	4,056	19	8,228	1	276.0	12	55.4	32	23.1	
East South Central	(NA)	(x)	(NA)	(x)	**3,910**	(x)	**210.1**	(x)	**51.8**	(x)	30.1	
Kentucky	22,612	37	3,107	40	3,092	47	169.5	29	76.2	19	23.1	
Tennessee	22,627	36	2,842	43	4,534	28	149.5	32	2.3	50	31.1	
Alabama	23,500	30	2,610	47	4,288	34	289.0	8	79.0	15	37.1	
Mississippi	19,447	49	2,534	49	3,345	44	257.0	13	72.9	20	21.1	
West South Central	(NA)	(x)	(NA)	(x)	**6,706**	(x)	**250.9**	(x)	**45.0**	(x)	2	
Arkansas	19,904	48	2,795	44	3,925	39	198.2	24	61.5	30	3	
Louisiana	20,054	47	3,237	36	6,078	12	323.9	5	84.0	26	1	
Oklahoma	22,060	40	2,701	46	6,014	13	290.3	7	100.1	10	3	
Texas	24,588	25	3,584	29	7,408	2	230.9	14	28.9	45	2	
Mountain	(NA)	(x)	(NA)	(x)	**6,323**	(x)	**196.5**	(x)	**94.7**	(x)	4	
Montana	23,206	33	4,070	18	4,479	29	135.7	37	50.3	34	5	
Idaho	21,480	43	2,555	48	4,207	35	144.6	35	77.6	17	5	
Wyoming	28,103	12	6,229	3	4,357	32	170.6	28	62.0	28	4	
Colorado	27,387	17	4,129	17	7,032	5	112.4	42	39.7	42	4	
New Mexico	23,977	27	3,537	30	6,626	6	182.6	26	111.2	8	5	
Arizona	25,972	23	3,784	45	7,321	3	264.2	10	115.8	7	5	
Utah	23,035	35	2,455	50	5,478	18	110.6	44	98.0	11	1	
Nevada	26,960	18	3,768	25	6,290	10	467.8	1	145.0	2		
Pacific	(NA)	(x)	(NA)	(x)	**6,761**	(x)	**211.2**	(x)	**122.3**	(x)		
Washington	27,527	14	3,806	23	6,880	6	146.0	33	50.1	35		
Oregon	26,690	20	4,236	15	7,081	4	175.6	27	49.1	36		
California	31,219	4	3,751	26	6,763	7	220.5	16	142.1	3		
Alaska	43,970	1	8,842	1	6,246	11	460.7	2	199.3	1		
Hawaii	26,815	19	4,372	13	5,671	15	205.3	23	121.3	5		

NA Not available. X Not applicable. [1] Source: National Education Association, Washington, DC. (Copyrig table 211, 1988 Statistical Abstract. Data presented here are revised. [2] See table 217, 1988 Statistic Represents expenditures per pupil in average daily attendence in day schools. [3] See table 265, 1988 Statistic Source: U.S. Federal Bureau of Investigation. Based on offenses known to the police. [5] See table 309, 1 Abstract. Source: U.S. Bureau of Justice Statistics. [6] See table 422, 1988 Statistical Abstract. Data con Bureau of the Census.

Digitized by Google

State Rankings

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	STATE AND LOCAL GOVERNMENT [1] 1985						FEDERAL EXPENDITURES [4] 1986					
	Direct general expenditure per capita [2]		Tax revenue per capita [3]		Employees per 10,000 population [3]		Total funds		Grants to State and local governments per capita		Funds for defense	
	Dollars	Rank	Dollars	Rank	Rate	Rank	Bil. dol.	Rank	Dollars	Rank	Percent	Rank
United States	**2,313**	(X)	**1,485**	(X)	**442**	(X)	**803.0**	(X)	**451.9**	(X)	**26.8**	(X)
New England	**2,343**	(X)	**1,627**	(X)	**427**	(X)	**49.8**	(X)	**515.3**	(X)	**37.0**	(X)
Maine	2,104	32	1,328	28	426	35	3.7	39	572.9	10	24.5	22
New Hampshire	1,818	43	1,126	41	392	49	3.0	43	393.4	40	31.8	13
Vermont	2,396	20	1,392	20	439	27	1.4	50	617.4	7	13.1	42
Massachusetts	2,428	18	1,715	7	433	31	24.9	9	528.5	12	38.6	8
Rhode Island	2,541	10	1,479	14	414	39	3.2	41	584.8	8	23.1	25
Connecticut	2,368	21	1,818	4	426	33	13.5	19	470.7	23	44.4	3
Middle Atlantic	**2,751**	(X)	**1,914**	(X)	**473**	(X)	**119.2**	(X)	**575.4**	(X)	**16.9**	(X)
New York	3,343	3	2,334	3	555	1	59.4	2	696.8	4	19.0	33
New Jersey	2,482	15	1,749	8	464	18	22.3	11	440.2	29	21.2	28
Pennsylvania	2,028	34	1,385	21	357	50	37.5	5	481.0	19	17.4	35
East North Central	**2,230**	(X)	**1,443**	(X)	**408**	(X)	**112.2**	(X)	**441.7**	(X)	**16.3**	(X)
Ohio	2,120	31	1,331	26	402	45	31.8	6	443.1	27	21.8	27
Indiana	1,851	42	1,181	39	412	42	14.7	18	363.4	44	22.8	26
Illinois	2,173	30	1,474	15	401	47	30.1	7	433.7	34	11.8	44
Michigan	2,498	14	1,609	12	414	41	23.4	10	478.0	21	13.5	40
Wisconsin	2,547	9	1,611	11	426	35	12.2	24	482.8	16	10.9	45
West North Central	**2,277**	(X)	**1,352**	(X)	**440**	(X)	**60.9**	(X)	**437.2**	(X)	**24.0**	(X)
Minnesota	2,842	4	1,767	5	412	42	12.4	22	500.7	14	20.9	29
Iowa	2,311	24	1,331	26	448	24	8.3	31	406.2	39	9.0	46
Missouri	1,775	48	1,091	42	408	44	20.9	13	391.2	42	32.8	11
North Dakota	2,696	5	1,357	25	458	18	2.8	45	637.7	8	18.3	34
South Dakota	2,214	29	1,043	44	454	21	2.5	47	645.5	5	13.4	41
Nebraska	2,255	27	1,251	34	514	5	5.2	37	413.8	38	14.7	38
Kansas	2,220	28	1,357	24	490	9	8.8	29	359.3	47	32.5	12
South Atlantic	**2,016**	(X)	**1,262**	(X)	**460**	(X)	**155.1**	(X)	**399.2**	(X)	**30.0**	(X)
Delaware	2,686	6	1,558	13	488	10	1.8	48	496.1	16	24.0	24
Maryland	2,352	22	1,629	10	443	25	21.7	12	438.9	30	32.7	10
District of Columbia	4,342	(X)	2,515	(X)	752	(X)	14.4	(X)	2,273.2	(X)	12.0	(X)
Virginia	1,993	36	1,307	29	455	19	26.0	8	344.7	48	48.4	2
West Virginia	1,963	37	1,203	36	483	11	5.4	36	554.2	11	4.9	50
North Carolina	1,785	45	1,144	40	454	21	15.7	17	360.2	46	24.4	23
South Carolina	1,782	47	1,076	43	474	14	9.9	27	391.5	41	27.5	18
Georgia	1,970	38	1,181	37	509	8	18.5	14	447.8	25	34.8	8
Florida	1,956	40	1,181	37	423	38	39.5	4	277.9	50	26.2	19
East South Central	**1,820**	(X)	**989**	(X)	**444**	(X)	**50.0**	(X)	**461.2**	(X)	**19.5**	(X)
Kentucky	1,798	44	1,033	45	402	45	12.5	21	478.4	20	14.3	39
Tennessee	1,743	49	996	47	436	28	15.9	18	443.1	28	12.2	43
Alabama	1,959	39	990	46	460	17	13.1	20	434.1	32	26.0	20
Mississippi	1,784	46	918	50	496	8	8.5	30	512.0	13	30.7	15
West South Central	**2,029**	(X)	**1,247**	(X)	**471**	(X)	**76.6**	(X)	**364.3**	(X)	**30.4**	(X)
Arkansas	1,695	50	967	49	431	32	7.2	33	473.4	22	20.5	31
Louisiana	2,306	25	1,297	30	504	7	12.4	23	453.0	24	20.8	30
Oklahoma	2,034	33	1,289	31	477	13	9.8	28	423.6	36	24.8	21
Texas	2,004	35	1,267	32	467	15	47.3	3	313.2	49	35.7	7
Mountain	**2,434**	(X)	**1,389**	(X)	**454**	(X)	**46.6**	(X)	**461.2**	(X)	**25.4**	(X)
Montana	2,615	7	1,383	22	478	12	2.8	44	722.8	3	8.4	49
Idaho	1,868	41	1,022	46	426	35	3.0	42	434.1	31	10.2	46
Wyoming	4,166	2	2,580	2	635	2	1.5	49	929.0	2	15.5	36
Colorado	2,409	19	1,448	18	442	26	11.5	25	373.4	43	30.7	14
New Mexico	2,536	11	1,249	35	524	4	7.1	34	579.4	9	19.7	32
Arizona	2,305	26	1,376	23	427	34	11.4	26	363.4	45	34.1	9
Utah	2,327	23	1,258	33	414	39	5.5	35	484.7	17	30.8	16
Nevada	2,516	12	1,443	17	455	19	3.7	40	434.1	33	14.8	37
Pacific	**2,678**	(X)	**1,646**	(X)	**411**	(X)	**132.5**	(X)	**438.6**	(X)	**37.5**	(X)
Washington	2,518	12	1,435	18	436	28	18.9	15	426.9	35	29.7	17
Oregon	2,471	16	1,420	19	435	30	7.4	32	496.7	15	9.3	47
California	2,595	8	1,645	9	396	48	100.9	1	418.5	37	40.0	5
Alaska	9,509	1	4,585	1	757	1	2.7	46	1,243.4	1	43.7	4
Hawaii	2,466	17	1,652	6	453	23	4.6	38	445.4	26	53.5	1

NA Not available. X Not applicable. [1] Source: U.S. Bureau of the Census. [2] See table 441, 1988 Statistical Abstract. [3] See table 466, 1988 Statistical Abstract. Represents full-time employees per 10,000 population. [4] See table 485, 1988 Statistical Abstract. Source: U.S. Bureau of the Census. U.S. total includes data undistributed by State.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	SOCIAL SECURITY RECIPIENTS PER 1,000 POPULATION, [1] [2] 1988		PUBLIC AID RECIPIENTS, PERCENT OF POPULATION, [1] [3] 1988		FOOD STAMP RECIPIENTS PER 1,000 POPULATION, [4] 1988		CIVILIAN LABOR FORCE [5]					
							Employment				Unemployment rate [7] 1988	
							Total, 1988		Net change, [6] 1980-88			
	Rate	Rank	Percent	Rank	Rate	Rank	Number (1,000)	Rank	Number (1,000)	Rank	Percent	Rank
United States	**152**	(x)	**6.2**	(x)	**78.9**	(x)	**109,597**	(x)	**10,294**	(x)	**7.0**	
New England	**162**	(x)	**5.3**	(x)	**52.0**	(x)	**6,454**	(x)	**646**	(x)	**3.9**	
Maine	174	8	6.9	11	88.7	14	532	39	64	30	5.3	
New Hampshire	148	33	1.9	50	20.4	50	546	38	96	28	2.8	
Vermont	157	25	5.6	21	62.6	30	279	48	42	40	4.7	
Massachusetts	161	17	5.9	19	54.0	40	2,934	11	220	14	3.8	
Rhode Island	181	5	6.2	16	64.6	28	490	41	51	35	4.0	
Connecticut	156	21	4.5	31	38.9	48	1,674	23	174	18	3.8	
Middle Atlantic	**165**	(x)	**7.1**	(x)	**82.1**	(x)	**16,827**	(x)	**1,119**	(x)	**6.2**	
New York	158	23	8.2	5	94.1	12	7,881	2	504	4	6.3	
New Jersey	158	26	5.8	20	51.5	43	3,696	9	374	6	5.0	
Pennsylvania	182	4	6.3	15	83.6	16	5,248	5	239	11	6.8	
East North Central	**156**	(x)	**7.4**	(x)	**91.4**	(x)	**18,837**	(x)	**789**	(x)	**7.9**	
Ohio	160	18	7.5	9	103.3	7	4,809	7	149	23	8.1	
Indiana	156	22	3.8	40	63.4	29	2,565	14	187	16	6.7	
Illinois	147	34	7.6	8	94.5	11	5,225	6	143	24	8.1	
Michigan	156	27	8.7	2	98.4	9	4,007	8	251	10	8.6	
Wisconsin	168	11	7.8	7	75.2	21	2,230	17	58	33	7.0	
West North Central	**166**	(x)	**4.7**	(x)	**63.2**	(x)	**8,361**	(x)	**418**	(x)	**5.8**	
Minnesota	152	32	4.6	29	54.6	39	2,095	19	113	26	5.3	
Iowa	179	6	5.4	26	71.9	24	1,332	29	-17	49	7.0	
Missouri	173	9	5.5	23	73.8	23	2,374	15	231	13	6.1	
North Dakota	159	20	3.0	45	51.5	41	310	47	22	45	6.3	
South Dakota	175	7	3.7	41	74.9	22	329	45	12	48	4.7	
Nebraska	163	15	3.9	39	59.4	33	783	34	31	42	5.0	
Kansas	160	19	3.7	42	48.4	46	1,158	31	26	44	5.4	
South Atlantic	**160**	(x)	**5.2**	(x)	**67.9**	(x)	**18,889**	(x)	**2,800**	(x)	**5.7**	
Delaware	153	30	4.8	30	49.0	45	311	46	48	36	4.3	
Maryland	129	43	5.5	24	58.5	34	2,252	16	237	12	4.5	
District of Columbia	129	(x)	11.3	(x)	103.8	(x)	302	(x)	-3	(x)	7.1	
Virginia	134	40	4.1	35	57.2	35	2,703	13	308	9	5.1	
West Virginia	188	3	8.2	6	139.2	3	655	36	-60	50	11.1	
North Carolina	155	29	5.0	28	67.0	26	3,024	10	355	7	5.3	
South Carolina	147	35	6.5	13	91.5	13	1,502	26	210	15	6.4	
Georgia	134	41	6.4	14	80.6	19	2,836	12	455	5	5.1	
Florida	204	1	3.9	38	51.5	42	5,266	4	1,251	2	5.5	
East South Central	**164**	(x)	**7.2**	(x)	**131.1**	(x)	**6,373**	(x)	**406**	(x)	**8**	
Kentucky	165	12	7.0	10	138.9	4	1,533	25	3	47	9	
Tennessee	162	16	6.1	17	104.3	6	2,116	18	186	17	8	
Alabama	165	14	6.8	12	118.7	5	1,697	22	171	20	9	
Mississippi	165	13	10.4	1	188.6	1	1,027	32	46	38	11	
West South Central	**133**	(x)	**5.0**	(x)	**95.8**	(x)	**11,600**	(x)	**1,316**	(x)		
Arkansas	189	2	5.9	18	97.4	10	979	33	56	34		
Louisiana	136	38	8.2	4	155.5	2	1,727	21	59	32	1	
Oklahoma	153	31	4.5	32	81.1	18	1,462	26	159	21		
Texas	120	46	4.1	36	82.3	17	7,433	3	1,043	3		
Mountain	**132**	(x)	**3.5**	(x)	**61.1**	(x)	**5,899**	(x)	**848**	(x)		
Montana	158	24	4.2	34	70.6	25	374	44	27	43		
Idaho	147	36	2.6	48	55.9	37	427	43	32	41		
Wyoming	110	48	2.7	47	55.2	38	227	50	1	48		
Colorado	114	47	3.5	43	56.3	36	1,566	24	156	22		
New Mexico	130	42	5.3	27	102.8	8	710	37	92	29		
Arizona	155	26	3.3	44	61.2	31	1,478	27	321	8		
Utah	102	49	3.0	46	48.0	47	709	35	114	25		
Nevada	135	39	2.5	49	36.3	49	508	40	105	27		
Pacific	**132**	(x)	**7.8**	(x)	**62.6**	(x)	**16,399**	(x)	**2,007**	(x)		
Washington	147	37	5.6	22	66.1	27	2,000	20	174	18		
Oregon	170	10	4.2	33	79.7	20	1,233	30	45	39		
California	126	44	8.7	3	59.7	32	12,473	1	1,681	1		
Alaska	51	50	4.0	37	50.6	44	229	49	60	31		
Hawaii	126	45	5.4	25	83.8	15	465	42	48	36		

X Not applicable. [1] Source: U.S. Social Security Administration. Data compiled by U.S. Bureau of the Ce table 566, 1988 Statistical Abstract. [2] See table 590, 1988 Statistical Abstract. Total recipients of Aid t Dependent Children and Federal Supplemental Security Income as a percent of resident population. [4] See t Statistical Abstract. Source: U.S. Department of Agriculture, Food and Nutrition Service. [5] See table 610, Abstract. Source: U.S. Bureau of Labor Statistics. [6] Minus sign (-) indicates decrease. [7] Unemployed civilian labor force.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	NONAGRICULTURAL EMPLOYMENT, PERCENT CHANGE, [1] 1980–86						AVERAGE ANNUAL PAY [2] 1986		EXPORT-RELATED MANUFACTURING EMPLOYMENT, [3] 1984			
	Total		Manufacturing		Services				Total		Percent of total manufacturing	
	Percent	Rank	Percent	Rank	Percent	Rank	Dollars	Rank	Number (1,000)	Rank	Percent	Rank
United States	**10.2**	(X)	**-6.4**	(X)	**29.1**	(X)	**19,966**	(X)	**2,179**	(X)	**11.4**	(X)
New England	**13.6**	(X)	**-7.8**	(X)	**30.8**	(X)	(NA)	(X)	**195**	(X)	**13.4**	(X)
Maine	14.0	13	-8.1	28	30.4	16	16,326	44	11	36	10.3	30
New Hampshire	26.9	4	1.2	13	49.2	2	18,303	27	14	34	11.9	17
Vermont	16.9	8	-1.8	19	29.8	16	16,857	40	7	41	15.2	4
Massachusetts	12.4	19	-8.3	31	29.2	19	20,925	8	91	6	13.6	7
Rhode Island	11.0	22	-7.2	26	30.5	15	17,733	33	12	35	10.5	27
Connecticut	12.3	20	-10.2	36	29.9	17	22,516	4	60	12	14.4	5
Middle Atlantic	**7.8**	(X)	**-15.8**	(X)	**27.9**	(X)	(NA)	(X)	**357**	(X)	**11.1**	(X)
New York	9.7	25	-13.4	43	24.4	29	23,200	2	151	2	11.2	21
New Jersey	13.9	15	-11.3	39	37.8	11	22,309	5	79	9	10.8	26
Pennsylvania	.9	43	-21.0	47	25.0	28	19,404	16	127	4	11.3	20
East North Central	**2.4**	(X)	**-11.5**	(X)	**26.9**	(X)	(NA)	(X)	**505**	(X)	**11.9**	(X)
Ohio	2.5	38	-12.3	41	20.2	37	19,902	12	144	3	12.8	11
Indiana	4.6	34	-8.2	30	26.6	26	19,024	17	72	10	11.8	16
Illinois	-1.5	45	-23.4	49	19.5	39	21,452	7	117	6	11.0	22
Michigan	5.7	32	-.1	15	22.1	33	22,720	3	116	5	12.5	14
Wisconsin	4.0	37	-8.1	27	16.9	42	18,202	29	54	13	10.7	24
West North Central	**4.8**	(X)	**-6.1**	(X)	**29.5**	(X)	(NA)	(X)	**140**	(X)	**10.7**	(X)
Minnesota	6.6	30	-.6	16	21.2	35	19,630	15	47	16	12.7	13
Iowa	-3.0	47	-17.9	48	14.2	48	16,598	43	20	26	10.1	34
Missouri	6.2	27	-3.4	22	23.8	30	16,915	20	43	17	10.4	29
North Dakota	1.5	40	-3.6	23	19.4	40	15,778	48	2	44	11.4	19
South Dakota	5.9	31	7.3	8	19.3	41	14,477	50	2	44	7.7	47
Nebraska	4.2	35	-10.8	38	26.7	25	16,106	46	9	39	10.0	35
Kansas	4.1	36	-8.1	29	15.7	45	17,934	31	17	31	9.2	39
South Atlantic	**18.3**	(X)	**1.3**	(X)	**40.7**	(X)	(NA)	(X)	**275**	(X)	**9.1**	(X)
Delaware	16.9	9	-4.1	24	39.6	9	19,639	14	9	39	12.8	11
Maryland	14.0	14	-11.3	40	40.6	7	20,121	10	24	27	10.7	24
District of Columbia	4.0	(X)	3.9	(X)	21.8	(X)	27,137	(X)	1	(X)	3.9	(X)
Virginia	18.5	6	2.5	10	41.8	6	18,972	18	37	20	9.0	41
West Virginia	-7.6	50	-25.8	50	21.8	34	18,405	24	11	36	13.1	9
North Carolina	14.8	11	1.5	11	32.7	13	17,001	39	69	11	8.3	43
South Carolina	12.8	17	-7.1	25	40.0	8	16,600	42	34	21	9.4	38
Georgia	23.9	5	8.6	5	46.4	5	18,748	22	42	18	7.7	45
Florida	26.3	3	13.3	3	48.3	3	17,679	34	48	14	10.2	32
East South Central	**7.3**	(X)	**-2.8**	(X)	**25.3**	(X)	(NA)	(X)	**114**	(X)	**8.9**	(X)
Kentucky	5.5	33	-8.4	33	23.0	31	17,357	37	26	24	10.3	30
Tennessee	10.4	23	-2.1	20	32.3	14	17,661	35	42	18	8.7	42
Alabama	7.7	29	-1.4	17	26.4	27	17,638	36	31	22	9.1	40
Mississippi	2.4	39	.5	14	10.7	49	15,420	49	15	33	7.0	48
West South Central	**8.0**	(X)	**-10.1**	(X)	**28.9**	(X)	(NA)	(X)	**171**	(X)	**11.2**	(X)
Arkansas	9.7	26	1.4	12	27.1	23	16,162	45	18	32	8.1	44
Louisiana	-3.5	48	-22.0	48	15.8	44	18,290	28	19	29	10.2	32
Oklahoma	.2	44	-14.6	44	15.6	43	18,345	25	19	29	11.0	22
Texas	12.5	18	-9.2	35	35.1	12	19,834	11	117	6	12.0	16
Mountain	**15.2**	(X)	**7.1**	(X)	**32.1**	(X)	(NA)	(X)	**76**	(X)	**13.2**	(X)
Montana	-1.6	46	-13.2	42	12.5	48	16,085	47	1	46	6.3	46
Idaho	1.5	41	-2.4	21	13.3	47	16,602	41	5	42	9.7	37
Wyoming	-5.3	49	-16.7	45	9.3	50	16,969	19	1	48	5.9	49
Colorado	12.1	21	2.5	9	28.3	21	20,275	9	27	23	14.0	6
New Mexico	13.5	16	10.5	4	26.5	20	17,301	38	3	43	9.9	36
Arizona	32.2	1	19.2	1	57.0	1	18,870	21	26	24	15.9	3
Utah	15.1	10	4.9	7	36.6	10	17,863	32	11	36	12.1	15
Nevada	17.3	7	14.6	2	22.5	32	16,739	23	2	44	10.5	27
Pacific	**12.8**	(X)	**1.2**	(X)	**26.5**	(X)	(NA)	(X)	**347**	(X)	**13.7**	(X)
Washington	10.1	24	-1.5	18	27.4	22	19,845	13	48	14	17.2	2
Oregon	1.2	42	-8.4	34	20.2	38	18,322	26	25	26	13.0	10
California	14.4	12	2.8	8	26.8	24	21,995	6	271	1	13.3	8
Alaska	31.1	2	-10.4	37	46.7	4	26,442	1	2	44	26.7	1
Hawaii	8.0	28	-8.3	32	20.8	36	16,101	30	1	48	3.1	50

NA Not available. X Not applicable. [1] See table 641, 1988 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. Minus sign (-) indicates decrease. [2] See table 650, 1988 Statistical Abstract. Source: U.S. Bureau of Labor Statistics. For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Preliminary. [3] See table 1257, 1988 Statistical Abstract. Source: U.S. Bureau of the Census.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical value shown, but different ranks]

DIVISION AND STATE	PERSONAL INCOME [1]				ENERGY CONSUMPTION PER CAPITA, [4] 1985		ENERGY EXPENDITURES PER CAPITA, [4] 1985		ENERGY PRODUCTION, PERCENT NUCLEAR [5] 1986		GROUND WA WITHDRAWA PERCENT TOTAL WA WITHDRAWA 1985	
	Percent change, [2] 1985–86		Per capita, [3] 1986									
	Percent	Rank	Dollars	Rank	Mil.Btu	Rank	Dollars	Rank	Percent	Rank	Per-cent	R
United States	**6.3**	(x)	**14,641**	(x)	**310**	(x)	**1,847**	(x)	**16.7**	(x)	**18.5**	
New England	**8.4**	(x)	**17,166**	(x)	**217**	(x)	**1,662**	(x)	**33.6**	(x)	(NA)	
Maine	8.7	4	12,790	33	261	39	1,769	28	57.3	4	4.3	
New Hampshire	10.1	1	15,911	8	200	49	1,540	48	-	(x)	9.4	
Vermont	7.5	17	13,348	29	215	48	1,619	46	65.4	1	29.4	
Massachusetts	8.4	5	17,722	4	213	47	1,626	44	6.0	29	3.3	
Rhode Island	7.6	14	14,579	20	202	48	1,526	49	--	(x)	8.6	
Connecticut	8.1	7	19,600	1	218	45	1,770	26	58.0	3	3.8	
Middle Atlantic	**7.0**	(x)	**16,508**	(x)	**236**	(x)	**1,858**	(x)	**26.7**	(x)	(NA)	
New York	7.9	10	17,111	5	190	50	1,449	50	19.8	20	7.2	
New Jersey	7.5	16	18,626	2	262	32	2,089	6	51.3	5	9.8	
Pennsylvania	5.5	35	14,249	21	276	34	1,697	36	27.0	11	5.6	
East North Central	**5.8**	(x)	**14,467**	(x)	**318**	(x)	**1,887**	(x)	**15.9**	(x)	(NA)	
Ohio	5.0	37	13,933	22	334	15	1,923	15	(z)	31	5.7	
Indiana	5.7	29	13,136	32	416	7	2,169	6		(x)	7.9	
Illinois	5.6	33	15,586	9	301	25	1,856	19	40.0	8	8.7	
Michigan	6.1	25	14,775	17	287	31	1,823	22	16.1	23	5.3	
Wisconsin	6.1	26	13,909	23	271	37	1,680	39	26.2	13	8.5	
West North Central	**5.8**	(x)	**13,992**	(x)	**320**	(x)	**1,885**	(x)	**19.4**	(x)	(NA)	
Minnesota	6.6	24	14,994	15	292	30	1,784	29	38.9	9	24.2	
Iowa	5.5	34	13,348	29	319	21	1,957	14	12.4	26	24.2	
Missouri	5.7	26	13,789	24	293	29	1,797	25	13.2	25	10.5	
North Dakota	3.7	45	12,472	35	439	5	2,387	5	--	(x)	10.5	
South Dakota	7.7	12	11,614	39	271	36	1,770	27	-	(x)	36.5	
Nebraska	5.3	36	13,742	25	310	24	1,838	20	40.7	7	55.5	
Kansas	5.6	31	14,650	18	411	8	2,114	7	23.6	15	84.4	
South Atlantic	**7.7**	(x)	**14,086**	(x)	**269**	(x)	**1,716**	(x)	**24.7**	(x)	(N	
Delaware	6.7	21	15,010	13	330	18	2,064	10	-	(x)	4	
Maryland	7.4	16	16,864	7	257	41	1,662	41	34.0	10	3	
District of Columbia	6.1	(x)	19,397	(x)	265	(x)	1,841	(x)	-	(x)	(N	
Virginia	8.0	8	15,408	11	280	33	1,720	31	50.0	6	4	
West Virginia	4.1	42	10,576	49	379	11	1,919	16	-	(x)	1	
North Carolina	7.7	13	12,438	36	269	38	1,708	34	26.4	12	1	
South Carolina	6.7	22	11,299	43	298	27	1,741	30	63.0	2	1	
Georgia	8.7	3	13,446	26	296	28	1,611	23	9.7	27	1	
Florida	8.3	6	14,646	19	225	43	1,621	45	20.3	18	2	
East South Central	**5.9**	(x)	**11,243**	(x)	**333**	(x)	**1,831**	(x)	**7.4**	(x)	(	
Kentucky	4.5	41	11,238	44	320	20	1,714	33	-	(x)		
Tennessee	7.2	19	12,002	38	344	14	1,880	17	-	(x)		
Alabama	6.0	27	11,336	42	346	12	1,964	13	16.9	22		
Mississippi	4.9	38	9,716	50	312	23	1,700	35	21.5	16	(	
West South Central	**1.6**	(x)	**12,735**	(x)	**535**	(x)	**2,652**	(x)	**5.7**	(x)		
Arkansas	5.6	30	11,073	47	323	18	1,864	18	25.3	14		
Louisiana	.2	48	11,193	46	710	2	3,019	2	20.1	19		
Oklahoma	1.0	47	12,283	37	405	9	2,053	11	-	(x)		
Texas	1.7	46	13,478	26	545	4	2,785	4	-	(x)		
Mountain	**5.7**	(x)	**13,203**	(x)	**316**	(x)	**1,789**	(x)	**4.9**	(x)		
Montana	6.6	23	11,803	40	421	6	2,067	9	-	(x)		
Idaho	3.7	44	11,223	45	346	13	1,697	37	-	(x)		
Wyoming	-1.5	50	12,761	34	688	3	2,794	3	-	(x)		
Colorado	4.6	39	15,234	12	273	35	1,642	43	.2	30		
New Mexico	3.7	43	11,422	41	316	22	1,800	24	-	(x)		
Arizona	9.3	2	13,474	27	257	40	1,714	32	19.5	21		
Utah	4.6	40	10,981	48	322	19	1,864	38	-	(x)		
Nevada	8.0	9	15,437	10	327	17	2,022	12	-	(x)		
Pacific	**7.5**	(x)	**16,351**	(x)	**272**	(x)	**1,620**	(x)	**15.9**	(x)		
Washington	7.5	15	15,009	14	382	10	1,664	40	9.1	28		
Oregon	5.8	31	13,328	31	299	26	1,651	42	14.8	24		
California	7.9	11	16,904	6	241	42	1,566	47	21.5	16		
Alaska	-1.0	49	17,796	3	658	1	3,362	1	-	(x)		
Hawaii	6.8	20	14,886	16	221	44	1,833	21	-	(x)		

- Represents zero. NA Not available. X Not applicable. Z Less than .05 percent. [1] Source: Economic Analysis. [2] See table 681, 1988 Statistical Abstract. Minus sign (-) indicates decrease. [3] See Statistical Abstract. [4] See table 911, 1988 Statistical Abstract. Source: U.S. Energy Information Administ Bureau of the Census. [5] See table 940, 1988 Statistical Abstract. Source: U.S. Energy Information Administ table 327, 1988 Statistical Abstract. Source: U.S. Geological Survey.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	DOMESTIC TRAVEL EXPENDITURES, [1] 1985		MOTOR VEHICLES				FARMS [4]					
			Registrations per 1,000 population, [2] 1986		Accident deaths per 100,000 population, [3] 1985		Average value per acre, percent change, [5] 1980–87		Marketings, cash receipts, [6] 1986		Net farm income/debt ratio, [7] 1986	
	Mil. dol.	Rank	Rate	Rank	Rate	Rank	Percent	Rank	Mil.dol.	Rank	Ratio	Rank
United States	**242,443**	(x)	**732**	(x)	**19.3**	(x)	**-25.6**	(x)	**135,185**	(x)	**22.5**	(x)
New England	**13,309**	(x)	**721**	(x)	**14.8**	(x)	(NA)	(x)	**1,742**	(x)	(NA)	(x)
Maine	1,730	37	734	29	19.2	30	82.2	2	365	45	10.0	45
New Hampshire	1,562	38	992	2	19.8	28	78.7	4	109	48	49.2	8
Vermont	1,228	42	773	21	20.9	21	78.4	5	398	43	31.3	17
Massachusetts	5,666	12	641	45	13.1	46	86.5	1	423	42	111.3	2
Rhode Island	488	50	631	47	12.8	48	67.1	7	75	49	183.2	1
Connecticut	2,635	28	796	18	14.2	44	69.9	6	372	44	72.7	3
Middle Atlantic	**36,792**	(x)	**580**	(x)	**13.2**	(x)	(NA)	(x)	**6,278**	(x)	(NA)	(x)
New York	16,538	3	527	50	12.0	50	29.3	8	2,533	21	22.9	23
New Jersey	12,933	5	647	43	13.0	47	80.6	3	580	37	67.2	4
Pennsylvania	9,321	6	617	48	15.3	42	17.8	9	3,165	15	38.7	10
East North Central	**29,713**	(x)	**735**	(x)	**15.9**	(x)	(NA)	(x)	**22,321**	(x)	(NA)	(x)
Ohio	6,849	10	775	20	14.7	43	-45.5	43	3,810	12	20.9	26
Indiana	2,965	25	743	28	19.0	32	-50.0	46	4,110	10	12.4	43
Illinois	8,662	7	674	40	13.8	45	-49.0	45	6,880	5	17.2	36
Michigan	7,172	8	786	18	17.7	35	-25.0	32	2,664	19	15.8	39
Wisconsin	4,065	20	686	37	16.3	39	-37.6	38	5,057	8	24.4	20
West North Central	**16,469**	(x)	**834**	(x)	**18.9**	(x)	(NA)	(x)	**35,812**	(x)	(NA)	(x)
Minnesota	5,209	15	842	13	15.7	41	-54.6	47	6,074	6	20.1	29
Iowa	1,918	31	969	3	16.6	36	-59.3	48	9,106	2	20.3	28
Missouri	4,978	17	709	33	20.0	27	-38.8	39	3,516	13	12.6	42
North Dakota	648	48	956	5	17.1	37	-30.4	35	2,299	24	16.9	37
South Dakota	576	49	956	4	20.1	26	-39.0	40	2,463	22	19.0	32
Nebraska	1,280	41	790	17	16.1	40	-47.2	44	6,926	4	25.2	19
Kansas	1,862	33	883	7	20.4	22	-42.1	42	5,425	7	24.4	21
South Atlantic	**45,759**	(x)	**776**	(x)	**23.3**	(x)	(NA)	(x)	**16,115**	(x)	(NA)	(x)
Delaware	660	47	766	25	19.1	31	-1.3	14	520	41	59.0	5
Maryland	4,346	19	753	27	17.4	36	-16.2	26	1,186	34	36.2	13
District of Columbia	1,232	(x)	551	(x)	15.4	(x)	(x)	(x)	(x)	(x)	(x)	(x)
Virginia	5,305	13	771	22	17.9	33	8.1	11	1,613	30	19.6	31
West Virginia	1,296	40	646	44	23.8	15	-21.2	31	227	47	22.0	25
North Carolina	5,668	11	718	32	24.8	12	-10.1	22	3,782	11	37.2	11
South Carolina	3,386	24	674	39	28.3	5	-11.8	23	894	36	9.3	47
Georgia	5,222	14	768	23	24.5	14	-5.6	17	3,206	14	30.9	18
Florida	18,642	2	886	6	26.1	9	6.0	12	4,688	9	56.9	6
East South Central	**9,168**	(x)	**778**	(x)	**24.2**	(x)	(NA)	(x)	**8,107**	(x)	(NA)	(x)
Kentucky	2,290	30	708	35	20.1	24	-19.0	29	2,389	23	20.8	27
Tennessee	3,756	23	815	15	25.6	10	3.7	13	1,924	27	18.4	33
Alabama	1,753	36	854	10	25.0	11	-6.3	20	2,009	25	35.8	14
Mississippi	1,369	39	690	36	26.4	8	-20.1	30	1,785	26	10.2	44
West South Central	**24,247**	(x)	**745**	(x)	**23.3**	(x)	(NA)	(x)	**15,459**	(x)	(NA)	(x)
Arkansas	1,870	32	605	49	24.6	13	-30.9	36	3,022	17	32.0	16
Louisiana	3,790	22	679	38	22.5	19	-41.8	41	1,372	32	6.3	49
Oklahoma	2,902	26	882	6	23.6	17	-30.3	34	2,622	20	17.8	34
Texas	15,685	4	756	26	23.3	18	10.6	10	8,444	3	19.8	30
Mountain	**22,484**	(x)	**774**	(x)	**26.6**	(x)	(NA)	(x)	**10,120**	(x)	(NA)	(x)
Montana	742	46	767	24	26.2	6	-28.9	33	1,213	33	9.9	46
Idaho	975	43	860	9	26.7	7	-18.8	28	1,925	28	14.9	40
Wyoming	805	45	1,000	1	28.4	4	-6.2	19	566	40	1.6	50
Colorado	5,005	18	848	11	19.4	29	-5.9	18	3,109	16	15.8	38
New Mexico	1,804	35	781	19	36.7	1	-34.1	37	1,010	35	17.5	35
Arizona	4,369	18	709	34	29.5	3	-9.4	21	1,495	31	23.2	22
Utah	1,852	34	664	41	20.4	23	-14.3	24	570	39	13.0	41
Nevada	6,912	9	723	31	31.7	2	-14.9	25	232	46	7.3	48
Pacific	**42,506**	(x)	**747**	(x)	**19.8**	(x)	(NA)	(x)	**19,230**	(x)	(NA)	(x)
Washington	3,837	21	844	12	17.8	34	-1.8	15	2,793	16	37.0	12
Oregon	2,982	29	824	14	22.5	20	-14.4	27	1,784	29	22.2	24
California	32,507	1	730	30	20.1	25	-4.1	16	14,049	1	32.6	15
Alaska	919	44	652	42	23.8	16	(NA)	(x)	29	50	41.4	9
Hawaii	2,781	27	633	46	12.7	49	(NA)	(x)	575	38	55.2	7

NA Not available. X Not applicable. [1] See table 396, 1988 Statistical Abstract. Source: U.S. Travel Data Center, Washington, DC. (Copyright). [2] See table 991, 1988 Statistical Abstract. Source: U.S. Federal Highway Administration. [3] See table 998, 1988 Statistical Abstract. Source: U.S. National Center for Health Statistics. [4] Source: U.S. Department of Agriculture, Economic Research Service. [5] See table 1056, 1988 Statistical Abstract. Covers land and buildings. Minus sign (-) indicates decrease. [6] See table 1078, 1988 Statistical Abstract. [7] See table 1079, 1988 Statistical Abstract.

Digitized by Google

[When States share the same rank, the next lower rank is omitted. Because of rounded data, States may have identical values shown, but different ranks]

DIVISION AND STATE	EXISTING HOME SALES, PERCENT CHANGE, [1] 1985–86		HOUSING UNITS STARTED, PERCENT CHANGE, [2] 1985–86		MANUFACTURING ESTABLISHMENTS [3]				RETAIL SALES PER CAPITA [4]			
					Value added, 1985		Production workers, percent change, 1982–85		Total, 1986		Percent change, 1982–86	
	Percent	Rank	Percent	Rank	Bil.dol.	Rank	Percent	Rank	Dollars	Rank	Percent	Rank
United States	**11.6**	(X)	**3.6**	(X)	**999.3**	(X)	**-36.2**	(X)	**6,123**	(X)	**33.3**	(X)
New England	**2.3**	(X)	**15.8**	(X)	**89.3**	(X)	**-39.3**	(X)	**7,862**	(X)	**53.4**	(X)
Maine	13.7	16	16.8	13	4.7	38	-25.5	10	6,863	10	46.6	4
New Hampshire	-9.8	48	13.4	19	5.0	35	-29.9	17	8,344	2	47.7	3
Vermont	25.3	4	15.7	14	1.7	42	-38.3	30	7,305	7	46.0	5
Massachusetts	5.1	31	15.3	15	33.0	11	-40.4	37	7,945	3	58.4	1
Rhode Island	2.3	36	34.0	6	4.3	39	-30.7	19	6,355	18	45.5	6
Connecticut	-7.1	47	13.4	18	20.6	18	-46.0	47	7,680	5	51.7	2
Middle Atlantic	**15.3**	(X)	**16.6**	(X)	**161.4**	(X)	**-44.2**	(X)	**6,022**	(X)	**39.4**	(X)
New York	13.7	15	3.9	25	73.4	2	-47.4	48	5,770	34	40.3	12
New Jersey	7.3	25	19.0	10	36.1	9	-45.9	46	6,955	9	42.3	9
Pennsylvania	22.5	5	29.9	8	51.9	7	-39.2	33	5,800	32	35.7	22
East North Central	**13.2**	(X)	**33.8**	(X)	**234.5**	(X)	**-36.6**	(X)	**5,841**	(X)	**34.6**	(X)
Ohio	10.7	21	32.2	7	64.2	3	-34.1	24	5,854	29	36.2	20
Indiana	-4.4	44	37.6	3	33.5	10	-29.6	16	6,026	23	39.3	14
Illinois	27.5	2	40.6	2	55.6	4	-40.8	39	5,721	38	29.4	29
Michigan	11.6	20	34.1	5	53.6	6	-27.1	12	6,089	22	41.6	10
Wisconsin	17.4	8	18.7	11	27.8	12	-52.2	50	5,410	42	25.0	40
West North Central	**14.6**	(X)	**6.5**	(X)	**73.7**	(X)	**-36.3**	(X)	**6,159**	(X)	**36.8**	(X)
Minnesota	31.0	1	14.8	16	19.4	19	-41.1	41	6,655	14	40.3	11
Iowa	16.7	10	-1.7	28	13.4	24	-38.5	32	5,621	39	29.3	30
Missouri	3.0	34	11.0	21	21.8	16	-35.2	27	6,292	19	43.6	7
North Dakota	6.7	27	-43.8	48	.7	49	-40.0	35	6,377	17	27.3	35
South Dakota	16.8	9	-12.0	40	1.4	44	-24.0	7	5,597	40	30.2	28
Nebraska	4.1	33	14.5	17	5.3	34	-30.4	18	5,767	35	31.1	27
Kansas	14.8	13	-5.0	33	11.7	27	-31.0	21	6,017	24	33.8	24
South Atlantic	**12.9**	(X)	**7.2**	(X)	**145.8**	(X)	**-28.4**	(X)	**6,202**	(X)	**34.7**	(X)
Delaware	4.9	32	35.7	4	3.4	40	-50.0	49	7,115	8	36.4	19
Maryland	7.4	24	10.5	22	11.9	26	-39.3	34	6,768	12	37.8	17
District of Columbia	17.2	(X)	100.0	(X)	1.2	(X)	-64.7	(X)	5,420	(X)	28.0	(X)
Virginia	21.6	6	28.2	9	22.1	15	-23.5	6	6,126	21	36.1	21
West Virginia	5.3	30	60.0	1	4.7	37	-37.5	29	5,170	44	34.9	23
North Carolina	12.9	18	-2.0	29	39.1	8	-24.5	8	5,766	36	38.8	16
South Carolina	10.3	22	-11.8	39	14.6	23	-27.4	13	5,410	43	39.4	13
Georgia	15.4	12	9.9	23	27.0	13	-22.7	4	6,010	25	39.2	15
Florida	12.0	19	4.3	24	21.7	17	-34.1	25	6,753	13	27.5	34
East South Central	**5.4**	(X)	**-9.7**	(X)	**62.2**	(X)	**-24.2**	(X)	**5,195**	(X)	**33.9**	(X)
Kentucky	1.6	38	-4.2	32	15.5	20	-27.9	14	5,041	45	27.8	33
Tennessee	12.9	17	-11.0	37	22.2	14	-25.5	11	6,003	26	42.9	8
Alabama	1.8	37	-9.4	36	15.3	21	-21.8	3	4,726	49	28.7	31
Mississippi	-3.7	43	-14.0	42	9.1	31	-20.3	1	4,857	50	32.2	25
West South Central	**-2.7**	(X)	**-36.9**	(X)	**85.3**	(X)	**-41.4**	(X)	**5,929**	(X)	**17.7**	(X)
Arkansas	6.0	28	-19.1	43	8.3	32	-21.1	2	4,947	47	25.3	38
Louisiana	-22.9	49	-44.8	49	12.3	25	-41.1	40	5,427	41	19.0	47
Oklahoma	5.6	29	-33.8	45	9.4	30	-45.7	45	5,958	27	19.9	45
Texas	-2.4	41	-37.7	46	55.2	5	-44.3	43	6,198	20	15.8	50
Mountain	**.2**	(X)	**-7.6**	(X)	**29.4**	(X)	**-36.9**	(X)	**6,087**	(X)	**23.9**	(X)
Montana	7.2	26	-41.9	47	9	47	-25.0	9	5,759	37	17.2	48
Idaho	-1.7	40	-14.0	41	2.5	41	-22.9	5	4,981	46	20.0	44
Wyoming	-6.2	46	-29.4	44	.5	50	-40.0	35	7,600	6	37.5	18
Colorado	-3.7	42	-7.2	34	10.1	28	-45.3	44	6,822	11	26.4	36
New Mexico	-1.5	39	-4.1	31	1.6	43	-33.3	22	5,784	33	25.3	37
Arizona	2.9	35	-11.1	38	7.9	33	-37.3	28	5,807	31	21.1	43
Utah	-5.8	45	-7.6	35	4.8	36	-28.9	15	4,854	48	19.6	46
Nevada	10.0	23	18.2	12	1.0	46	-35.0	26	7,807	4	28.3	32
Pacific	**17.3**	(X)	**8.7**	(X)	**137.7**	(X)	**-40.0**	(X)	**6,457**	(X)	**29.8**	(X)
Washington	15.5	11	3.5	26	14.8	22	-43.0	42	5,851	30	25.1	39
Oregon	14.5	14	-2.9	30	9.5	29	-30.8	20	5,883	28	24.3	41
California	19.0	7	12.0	20	111.4	1	-40.5	38	6,577	15	31.5	26
Alaska	-39.0	50	-73.3	50	9	48	-38.5	31	8,442	1	16.7	49
Hawaii	26.6	3	-	27	1.2	45	-33.3	22	6,430	16	23.6	42

- Represents or rounds to zero. X Not applicable. [1] See table 1217, 1988 Statistical Abstract. Source: NATIONAL ASSOCIATION OF REALTORS, Washington, DC. (Copyright) [2] See table 1210, 1988 Statistical Abstract. Source: National Association of Home Builders, Washington, DC. [3] See table 1244, 1988 Statistical Abstract. Source: U.S. Bureau of the Census. [4] See table 1310, 1988 Statistical Abstract. Source: Market Statistics, New York, NY. (Copyright)

Digitized by Google



Telephone Contact List

To help *Abstract* users find more data and information about statistical publications, we are issuing this list of contacts for Federal agencies with major statistical programs. The intent is to give a single, first-contact point-of-entry for users of statistics. These agencies will provide general information on their statistical programs and publications, as well as specific information on how to order their publications.

Executive Office of the President

Office of Management and Budget
Administrator
Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, DC 20503
Information:(202)395-3000
Publications:(202)395-7332

Department of Agriculture

Economic Research Service
Information Division
Economic Research Service
U.S. Department of Agriculture
Room 208
1301 New York Ave., N.W.
Washington, DC 20005
Information and Publications:(202)786-1515

National Agricultural Statistics Service
National Agricultural Statistics Service
U.S. Department of Agriculture
14th St. and Independence Ave., S.W.
Washington, DC 20250
Information and Publications:(202)447-4021

Department of Commerce

U.S. Department of Commerce
Room 5058 Main Commerce
14th St. and Constitution Ave., N.W.
Washington, DC 20230
Press release information on statistical series:(202) 377-4902
Recording for release times: (202)393-1847

Bureau of the Census
Data User Services Division
Bureau of the Census
U.S. Department of Commerce
Washington, DC 20233
Information and Publications:(301)763-4100

Department of Commerce—Con.

Bureau of Economic Analysis
Current Business Analysis Division
Bureau of Economic Analysis
U.S. Department of Commerce
Washington, DC 20230
Information and Publications:(202)523-0777

International Trade Administration
Office of Trade and Investment Analysis
International Trade Administration
Room 2814 B, Box 2217
U.S. Department of Commerce
Washington, DC 20230
Information and Publications:(202)377-4211

National Oceanic and Atmospheric Administration
National Oceanic and Atmospheric Administration Library
U.S. Department of Commerce
6009 Executive Blvd.
Rockville, MD 20852
Library and Information:(301)443-8330

Department of Defense

Department of Defense
Chief, Public Correspondence Division
Office of the Assistant Secretary of Defense (Public Affairs PC)
The Pentagon
Washington, DC 20301-1400
Information:(202)697-5737

Department of Education

Office of Information Services
Statistical Information Office
U.S. Department of Education
555 New Jersey Ave., N.W.
Washington, DC 20208
Information and Publications:(202)357-6651

Digitized by Google

Department of Energy

Energy Information Administration
Office of Energy Information Services
Energy Information Administration
U.S. Department of Energy
Washington, DC 20585
Information and Publications:(202)586-8800

Department of Health and Human Services

Health Resources and Services Administration
Administrator for Health Resources and Services
Health Resources and Services Administration
U.S. Department of Health and Human Services
5600 Fishers Lane
Parklawn Building 14-05
Rockville, MD 20857
Information:(301)443-2216
Publications:(301)443-2086

Alcohol, Drug Abuse, and Mental Health Administration
U.S. Department of Health and Human Services
5600 Fishers Lane
Room 12C15
Rockville, MD 20857
Information and Publications:(301)443-3783

Centers for Disease Control
Office of Information
Centers for Disease Control
1600 Clifton Road, N.E.
Atlanta, GA 30329
Public Inquiries:(404)329-3311

Health Care Financing Administration
Office of Public Affairs
Health Care Financing Administration
U.S. Department of Health and Human Services
Room 428H, Humphrey Building
200 Independence Ave., S.W.
Washington, DC 20201
Information:(202)245-6145
Publications:(301)597-0977

National Center for Health Statistics
Scientific and Technical Information Branch
National Center for Health Statistics
U.S. Department of Health and Human Services
3700 East-West Highway, Room 157
Hyattsville, MD 20782
Information and Publications:(301)436-8500

Department of Health and Human Services-Con.

Social Security Administration
Publications Staff
Office of Research and Statistics
Social Security Administration
U.S. Department of Health and Hum Services
Room 921 Universal North Bldg.
1875 Connecticut Ave., N.W.
Washington, DC 20009
Information and Publications:(202)673-5

Department of Housing and Urban Development

Assistant Secretary for Community Plan and Development
Office of the Assistant Secretary for C munity Planning and Development
U.S. Department of Housing and Urban velopment
451 7th St., S.W.
Washington, DC 20410-0555
Information:(202)755-6420
Publications:(202)453-4510

Department of the Interior

Bureau of Mines
Office of Technical Information
Bureau of Mines
U.S. Department of the Interior
2401 E St., N.W.
Washington, DC 20241
Information:(202)634-1004
Publications:(301)436-7966

Geological Survey
Public Inquiries Office
Geological Survey
U.S. Department of the Interior
503 National Center
Reston, VA 22092
Information and Publications:(703)6

Department of Justice

Bureau of Justice Statistics
Statistics Division
Bureau of Justice Statistics
U.S. Department of Justice
633 Indiana Ave., N.W.
Washington, DC 20531
Information and Publications:(202)

Digitized by Google

Department of Justice—Con.

Federal Bureau of Investigation
National Crime Information Center
Federal Bureau of Investigation
U.S. Department of Justice
9th St. and Pennsylvania Ave., N.W.
Washington, DC 20535
Information and Publications:(202)324-2606

Immigration and Naturalization Service
Statistics Branch, Room 5028
Immigration and Naturalization Service
U.S. Department of Justice
425 I St., N.W.
Washington, DC 20536
Information and Publications:(202)633-3053

Department of Labor

Bureau of Labor Statistics
Office of Publications and Information Services
Bureau of Labor Statistics
U.S. Department of Labor
441 G St., N.W., Room 2831A
Washington, DC 20212
Information and Publications:(202)523-1221
Recording: CPI and PPI (202)523-9658

Employment and Training Administration
Office of Public Information
Employment and Training Administration
U.S. Department of Labor
200 Constitution Ave., N.W., Room S2322
Washington, DC 20210
Information and Publications:(202)523-6871

Department of Transportation

Federal Aviation Administration
Public Inquiry Center
APA 200
Federal Aviation Administration
U.S. Department of Transportation
800 Independence Ave., S.W.
Washington, DC 20591
Information and Publications:(202)267-3484

Federal Highway Administration
Office of Public Affairs
Federal Highway Administration
U.S. Department of Transportation
400 7th St., S.W.
Washington, DC 20590
Information and Publications:(202)366-0660

National Highway Traffic Safety Administration
Office of Public Affairs
National Highway Traffic Safety Administration

Department of Transportation—Con.

U.S. Department of Transportation
400 7th St., S.W.
Washington, DC 20590
Information:(202)366-9550
Publications:(202)366-2588

Department of the Treasury

Internal Revenue Service
Statistics of Income Division
Internal Revenue Service
U.S. Department of the Treasury
TR:S Room 401
11th St., and Constitution Ave., N.W.
Washington, DC 20224
Information and Publications:(202)376-0216

Independent Agencies

Environmental Protection Agency
Public Information Center
Environmental Protection Agency
401 M St., S.W.
Washington, DC 20460
Information and Publications:(202)382-2080

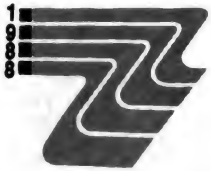
Federal Reserve Board
Division of Research and Statistics
Federal Reserve Board
Washington, DC 20551
Information:(202)452-3301
Publications:(202)452-3245

National Science Foundation
Office of Public Information
National Science Foundation
1800 G St., N.W.
Washington, DC 20550
Information:(202)357-9498
Publications:(202)357-7861

Securities and Exchange Commission
Office of Public Affairs
Securities and Exchange Commission
450 5th St., N.W.
Washington, DC 20549
Information:(202)272-2650
Publications:(202)272-7460

Veterans Administration
Office of Public Affairs
Veterans Administration
810 Vermont Ave., N.W.
Washington, DC 20420
Information:(202)233-2741
Publications:(703)971-0977

Digitized by Google



Section 1

Population

This section presents statistics on the growth, distribution, and characteristics of the U.S. population. The principal source of these data is the Bureau of the Census, which conducts a decennial census of population, a monthly population survey, a program of population estimates and projections, and a number of other periodic surveys relating to population characteristics. For a list of relevant publications, see the Guide to Sources in Appendix I.

Decennial censuses.—The U.S. Constitution provides for a census of the population every 10 years, primarily to establish a basis for apportionment of members of the House of Representatives among the States. For over a century after the first census in 1790, the census organization was a temporary one, created only for each decennial census. In 1902, the Bureau of the Census was established as a permanent Federal agency, responsible for enumerating the population and also for compiling statistics on other subjects.

The census of population is a complete count. That is, an attempt is made to account for every person, for each person's residence, and for other characteristics (sex, age, family relationships, etc.). Since the 1940 census, in addition to the complete count information, some data have been obtained from representative samples of the population. In the 1980 census, two sampling rates were employed. For most of the country, one in every six households (about 17 percent) received the long form or sample questionnaire; in areas estimated to have fewer than 2,500 inhabitants, every other household (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas. Exact agreement is not to be expected between sample data and the complete census count. Sample data may be used with confidence where large numbers are involved and assumed to indicate trends and relationships where small numbers are involved.

Three different census counts for the resident population in 1970 are shown in the tables: 203,211,926; 203,235,298; and 203,302,031. The first is the initial tabulated count, the second is the official count, and the third contains the latest revisions. Breakdowns of the revised count of 203,302,031 are not available for demographic characteristics and may not be available for some levels of geography. The complete count data from the 1980 census shown in this edition are consistent with figures published in the 1980 census final reports, series PC80-1-A.

Census data presented here have not been adjusted for underenumeration. Results from the evaluation program for the 1980 census did not produce a definitive estimate of the undercount, but did show that coverage improved substantially over previous censuses. The 1980 Post-Enumeration Program (PEP) estimates of overall coverage ranged between a 1.0 percent overcount and a 2.1 percent undercount; Demographic Analysis (DA) estimated the net undercount at between 1.0 and 2.2 percent. Consistent estimates of census coverage for the last 5 censuses (1940-80) have been prepared by the method of demographic analysis. For one set of estimates, demographic analysis shows a net underenumeration of about 3.2 million persons in 1980, 6.1 million in 1970, and 6.2 million in 1960. Among the persons not counted in 1980 about 1.5 million were white-and-other races and 1.7 million were black. The overall rate of net underenumeration in 1980, according to this set of estimates, was 1.4 percent. In 1970, the rate was 2.9 percent as compared with 3.3 percent in 1960 and 4.4 percent in 1950. The percent net undercount of blacks—while still high relative to the rest of the population—dropped from 8.0 percent in 1970 to 5.9 percent in 1980. See *The Coverage of Population in the 1980 Census, Evaluation and Research Reports*, PHC80-E4, forthcoming, for a discussion of the various estimates of census coverage.

Current Population Survey (CPS).—This is a monthly nationwide survey of a scientifically selected sample representing the noninstitutional civilian population. The sample is located in 729 areas comprising approximately 1,200 counties and independent cities with coverage in every State and the District of Columbia and is subject to sampling error. At the present time, about 71,000 housing units or other living quarters are assigned for interview at any time, of which about 59,500 are occupied by households eligible for interview; of these, in turn, between 4 and 5 percent are, for various reasons, unavailable for interview.

Digitized by Google

While the primary purpose of CPS is to obtain monthly statistics on the labor force, it also serv as a vehicle for inquiries on other subjects. Using CPS data, the Bureau issues a series of public tions under the general title of Current Population Reports, which cover population characteristi (series P-20), consumer income (series P-60), special studies (series P-23), and other topics.

Estimates of population characteristics based on the 1980 CPS will not necessarily agree w the counts from the 1980 census because the CPS and the 1980 census used different procedu for collecting and processing the data for racial groups, the Hispanic population, and other topi Caution should also be used when comparing estimates for 1980 and later, (for education da 1981 and later), which reflect 1980 census-based population controls to those for 1971 thro 1979 (for education, to 1980), which reflect 1970 census-based population controls. This chang population controls had relatively little impact on derived measures such as means, medians, percent distribution, but did have a significant impact on levels. For example, use of 1980-ba population controls resulted in about a 2-percent increase in the civilian noninstitutional popula and in the number of families and households. Thus, estimates of levels for 1980 and later differ from those for earlier years by more than what could be attributed to actual changes in population and these differences could be disproportionately greater for subpopulation groups for the total population.

COMPONENTS OF SELECTED POPULATION UNIVERSES: MARCH 1, 1986

[In thousands]

POPULATION UNIVERSE	Num
Total population including Armed Forces overseas	2
Armed Forces overseas	
Resident population	2
Armed Forces in the United States	
Living off post or with their families on post	
Living on post without families	
Civilian population	2
Institutional population	
Noninstitutional population	
Civilian noninstitutional population plus Armed Forces living off post or with their families on post (March Current Population Survey universe)	
Civilian noninstitutional population (Current Population Survey universe in months other than March)	

Population estimates and projections.—National population estimates are derived by usi cennial census data as benchmarks and data available from various agencies as follows: Birt deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization S Armed Forces (Department of Defense and Department of Transportation) net movement b Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees (Office of Personnel Management and Department of Defense). Estimates for States and areas are based on data series such as births and deaths, school statistics from State depa of education and parochial school systems, and Federal income tax returns. These estimat tain estimated emigration of 160,000 per year since 1980 and net undocumented immigr 200,000 per year. For further information, see *Current Population Reports,* series P-25, N

The estimates of the components of change shown for intercensal periods for States ir residual net migration plus the "error of closure," the unexplained difference between the e population at the end of the decade and the census count for that date. The error of closu national level was quite small during the 1950's (3,000) and 1960's (379,000). However 1970's it amounts to almost 5 million.

National population projections indicate the approximate future level and characteristic population under given assumptions as to future fertility, mortality, and net immigration. The used to develop the projections involves preparation of projections of each of the compo population change—births, deaths, and net immigration—and the combination of these wi estimates of the current population. Projections for States incorporate further assumptio the redistribution of population as a consequence of internal migration.

Population estimates and projections are published in the P-25 and P-26 series of *Curr lation Reports.* These estimates and projections are generally consistent with official census figures and do not reflect the amount of estimated census underenumeration. these estimates and projections by race have been modified and are not comparable to census race categories (see section below under "race"). For details on methodology sources cited below the individual tables.

Digitized by Google

Immigration.—The principal source of immigration data is the *Statistical Yearbook* of the Immigration and Naturalization Service, published annually by the Immigration and Naturalization Service (INS), a unit of the Department of Justice. Immigration statistics are prepared from entry visas and change of immigration status forms. The collection of U.S. immigration statistics began under the Act of 1819. Data on persons arriving in ports were transmitted to the U.S. Secretary of State, who reported the information periodically to Congress. Subsequently, reports to the Secretary of State and to Congress were required by law, as well as the collection of data on immigrants arriving at land borders. Beginning in 1906, those arriving were divided into immigrants and nonimmigrants, depending on how long they intended to remain in the United States.

Immigrants are nonresident aliens (i.e., non U.S. citizens) admitted to the U.S. for permanent residence. The category includes persons who may have entered the U.S. as nonimmigrants or refugees, but who subsequently changed their status to that of a permanent resident. A large increase of immigrants admitted to the U.S. in one year may have been due to an influx of refugees one or two years earlier. Thus, immigrants as measured in tables 7 through 9 and 11 do not equal net civilian immigration as shown in table 6. Nonresident aliens admitted to the United States for a temporary period are nonimmigrants (see tables 392 and 393). Refugees are considered nonimmigrants when initially admitted into the U.S.

The Act of 1965, which became fully effective in July 1968, set up an annual numerical limitation of 170,000 immigrants from the Eastern Hemisphere, with no more than 20,000 immigrants to come from any one country, and a numerical limitation of 120,000 per year on Western Hemisphere immigration, which had previously been unrestricted. Western Hemisphere immigration, though restricted in total number, was not subject to preference category or per-country limitations. The 1965 Act thereby gave persons from every country within each hemisphere an equal chance to immigrate to the United States. After 1968 immigrants were classified as those subject to numerical limitations of the Eastern Hemisphere and of the Western Hemisphere, and those exempt from numerical limitations (see table 9). Those exempt include immediate relatives of U.S. citizens and various classes of special immigrants.

For immigrants subject to numerical limitations, numbers are allocated on a basis of six preference categories beginning in 1980 (previously 7 categories), four of which provide for reunion of families of U.S. citizens and resident aliens, and two for specified workers needed in the United States. Numbers not used by these six preferences are then available to qualified nonpreference immigrants. From 1968 to December 1976, preference classifications were applied only to immigrants from the Eastern Hemisphere. Beginning 1977, Western Hemisphere immigrants were also subject to preference and nonpreference classifications. Effective October 1978, the separate hemisphere limits were abolished in favor of a worldwide limit of 290,000. This limit was lowered to 280,000 for fiscal year 1980, and to 270,000 for fiscal year 1981 and subsequent years.

Effective November 1966, Cubans admitted or paroled (i.e., admitted without an immigration visa) into the United States after January 1, 1959, and present in the United States for at least 2 years, may obtain permanent resident status. A court decision in September 1976 exempted Cuban refugees from numerical limitations, retroactive to 1968. The Refugee Act of 1980 changed the residency requirement from two years to one year. Beginning in fiscal year 1985, INS began adjusting eligible Cuban entrants who were admitted to /kthe U.S. as part of the Mariel boat lift of 1980, which consisted of approximately 125,000 people.

Effective October 28, 1977, refugees from Vietnam, Laos, or Cambodia were eligible to apply for permanent resident status. Public Law 95-145 provided that Indochinese paroled into the United States after March 31, 1975, or physically present on that date, may become permanent residents after living for at least 2 years in the United States. This period was changed to one year under the Refugee Act of 1980. P.L. 95-145 expired on October 18, 1983. Indochinese refugees who entered the U.S. between March 1975 and April 1980 are eligible to adjust status under P.L. 95-412, the Act of October 5, 1978, which allows for the adjustment of refugee-parolees.

The Refugee Act of 1980, effective April 1, 1980, provides for a uniform admission procedure for refugees of all countries, based on the United Nation's definition of refugees. Authorized admission ceilings are set annually by the President in consultation with Congress. After one year of residence in the United States, refugees are eligible for immigrant status.

Metropolitan Statistical Areas (MSA's), Consolidated Metropolitan Statistical Areas (CMSA's), and Primary Metropolitan Statistical Areas (PMSA's).—The general concept of an MSA is one of a large population nucleus together with adjacent communities which have a high degree of social and economic integration with that nucleus. CMSA's are large metropolitan complexes within which individual components, designated as PMSA's, have been defined. MSA's, CMSA's, and PMSA's are defined by the Office of Management and Budget as a standard for Federal agencies in the preparation and publication of statistics relating to metropolitan areas. The new terms MSA, CMSA, and PMSA went into effect June 30, 1983, replacing the previous terms SMSA (standard metropolitan statistical area) and SCSA (standard consolidated statistical area). The entire territory of the United States is classified as metropolitan (inside MSA's or CMSA's) or nonmetropolitan (outside MSA's or CMSA's). MSA's, CMSA's, and PMSA's are defined in terms of

192-073 O - 88 - 2 : QL 3

Digitized by Google

entire counties except in New England, where the definitions are in terms of cities and summarize data for New England that are available only by counties, New England Cou politan Areas (NECMA's) have been defined as a convenience for data users. From tir new metropolitan areas are created and the boundaries of others change. As a resul metropolitan areas over time may not be comparable and the analysis of historical trend made cautiously. For descriptive details, tables showing changes in metropolitan area and a listing of area titles and components of each metropolitan area, see Appendix II.

Urban and rural.—According to the 1980 census definition, the urban population cor persons living in (a) places of 2,500 or more inhabitants incorporated as cities, villages, (except in Alaska and New York), and towns (except in the New England States, New Wisconsin), but excluding those persons living in the rural portions of extended cities (p low population density in one or more large parts of their area); (b) census designated pl viously termed unincorporated) of 2,500 or more inhabitants; and (c) other territory, incor unincorporated, included in urbanized areas. An urbanized area consists of a central city tral core, together with contiguous closely settled territory, that combined have a total po at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in in places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified under special rules relating to population size and density. To improve its measure of population, the Bureau of the Census in 1950 adopted the concept of the urbanized area eated boundaries for unincorporated places. The 1950 definition has continued substa changed, except for minor modifications in 1960, the introduction of the extended city 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit s to be defined around smaller centers. In all definitions, the population not classified as u stitutes the rural population.

Residence.—In determining residence, the Bureau of the Census counts each persor habitant of a usual place of residence (i.e., the place where one usually eats and sleeps). place is not necessarily a person's legal residence or voting residence, the use of thes bases of classification would produce the same results in the vast majority of cases.

Race.—In the 1980 census, 15 groups were listed in the race item on the 1980 censu naire: White, Black, American Indian, Eskimo, Aleut, Chinese, Filipino, Japanese, Asi Korean, Vietnamese, Hawaiian, Samoan, Guamanian, and Other. The concept of race a the Census Bureau does not denote any clear-cut scientific definition of biological stock. 1980 census obtained information on race through self-identification by respondents, the resent self- classification by people according to the race with which they identify.

In 1980, if persons of mixed racial parentage could not provide a single response t question, the race of the person's mother was used; however, if a single response co provided for the mother, then the first race reported by the person was used. This is a m of the 1970 census procedure in which the race of the person's father was used.

The 1980 population totals for "White" and "Other" are not comparable with corresp ures from previous censuses. The lack of comparability is due to changes in the way spondents reported their race as well as changes in 1980 census procedures related to classification. (For a fuller explanation, see *1980 Census of Population, Volume I, Gener tion Characteristics* (PC80-1-B).)

Estimates of the population by race for April 1, 1980 (shown in tables 17 and 20) ar counts and are not comparable to the 1980 census race categories. These estimates wer ed using 1980 census data by race which had been modified to be consistent with the ra ries used in the reporting of vital statistics by the U.S. National Center for Health Statis tailed explanation of the race modification procedure appears in *Current Population Repo* P- 25, No. 917.

In the Current Population Survey (CPS) and other household sample surveys in whic obtained through personal interview, respondents are asked to classify their race as 1) Black, 3) American Indian, Aleut, or Eskimo, or 4) Asian or Pacific Islander. The proc classifying persons of mixed races who could not provide a single response to the rac are generally similar to those used in the 1980 census. For comments on comparabilit CPS and census data, see section above on Current Population Survey.

Hispanic population.—In the 1980 census, the Bureau of the Census collected da Spanish origin population in the United States by using a self-identification question. F Spanish/Hispanic origin or descent are those who classified themselves in one of the sp panic origin categories listed on the questionnaire—Mexican, Puerto Rican, Cuban, or O ish/Hispanic origin. The 1980 figures on Spanish origin are not directly comparable census data on Spanish origin because of factors such as overall improvements in census and improved question design. Also, it should be noted that Hispanic persons any race.

Digitized by Google

In the Current Population Survey (CPS), information on Hispanic persons was gathered by using a self-identification question. Persons classified themselves in one of the Hispanic categories in response to the question: "What is the origin or descent of each person in this household?" Hispanic persons in the CPS were persons who reported themselves as Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American, or other Hispanic origin.

Nativity.—The native population consists of all persons born in the U.S., Puerto Rico, or an outlying area of the U.S. It also includes persons born at sea or in a foreign country who have at least one American parent. All others are classified as "foreign born."

Mobility status.—The U.S. population is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the survey or census and the place of residence at a specified earlier date. Nonmovers are all persons who were living in the same house or apartment at the end of the period as at the beginning of the period. Movers are all persons who were living in a different house at the end of the period from that in which they were living at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence was outside the U.S. at the beginning of the period; that is, in Puerto Rico, an outlying area under the jurisdiction of the U.S., or a foreign country.

Living arrangements.—Living arrangements may be in households or in group quarters. A "household" comprises all persons who occupy a "housing unit," that is, a house, an apartment or other group of rooms, or a single room that constitutes "separate living quarters." A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone or a group of unrelated persons sharing the same housing unit as partners is also counted as a household. See text, section 26, Construction and Housing, for definition of "housing unit."

All persons not living in households are classified as living in group quarters. These individuals may be institutionalized, e.g., under care or custody in juvenile facilities, jails, correctional centers, hospitals, or rest homes; or they may be residents in college dormitories, military barracks, rooming houses, etc. (see table 74).

Householder.—Beginning in 1980, the terms "householder" and "family householder" have been used in the presentation of data that had previously been presented with the designations "head of household" and "head of family". The householder is the first adult household member listed on the questionnaire. The instructions call for listing first the person (or one of the persons) in whose name the home is owned or rented. If a home is owned or rented jointly by a married couple, either the husband or the wife may be listed first. Prior to 1980, the husband was always considered the household head (householder) in married-couple households.

Family.—The term "family" refers to a group of two or more persons related by birth, marriage, or adoption and residing together in a household. A family includes among its members the householder.

Subfamily.—Subfamilies are divided into "related" and "unrelated" subfamilies. A related subfamily consists of a married couple and their children, if any, or one parent with one or more never married children under 18 years old living in a household and related to, but not including, the householder. Members of a related subfamily are also members of the family with whom they live. The number of related subfamilies, therefore, is not included in the number of families. An unrelated subfamily comprises two or more persons such as guests, lodgers, or resident employees who are related to each other but not to householder.

Married couple.—A "married couple" is defined as a husband and wife living together in the same household, with or without children and other relatives.

Unrelated individuals.—"Unrelated individuals" refers to persons (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be a nonfamily householder who lives alone or with nonrelatives only, or a secondary individual such as a guest, lodger, or resident employee who is not related to any other persons in the household. Persons in group quarters, except inmates of institutions, are classified as secondary individuals.

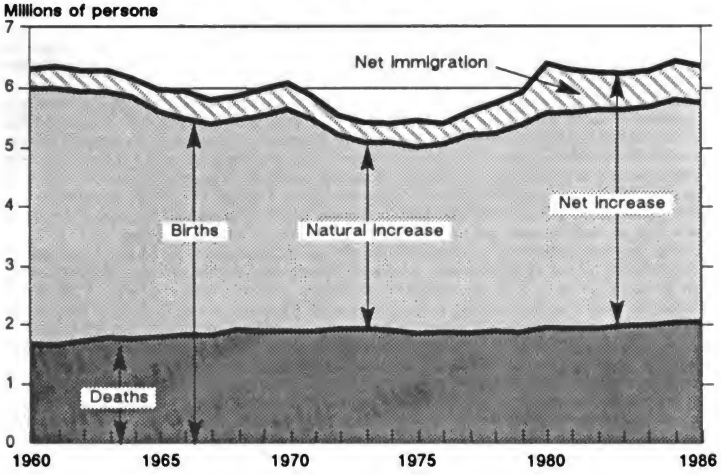
Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

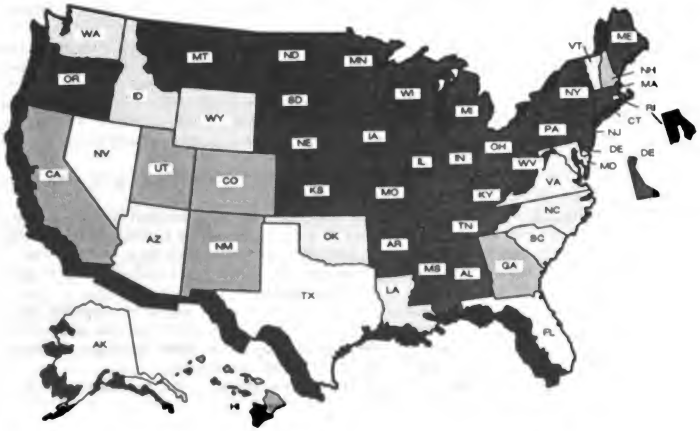
Digitized by Google

Figure 1.1
Components of Population Change: 1960 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 6.

Figure 1.2
State Population–Percent Change: 1980 to 1986



Percent: Under 5 | 5–10 | 10–15 | over 15

Source: Chart prepared by U.S. Bureau of the Census. For data see table 25.

Digitized by Google

NO. 1. POPULATION AND AREA: 1790 TO 1980

[Area figures represent area on indicated date including in some cases considerable areas not then organized or settled, and not covered by the census. Total area figures for 1790–1970 have been recalculated on the basis of the remeasurement of States and counties for the 1980 census. The land and water area figures for past censuses have not been adjusted and are not strictly comparable with the total area data for comparable dates because the land areas were derived from different base data, and these values are known to have changed with the construction of reservoirs, draining of lakes, etc. Density figures are based on land area measurements as reported in earlier censuses. For additional area data, see tables 3 and 319]

CENSUS DATE	RESIDENT POPULATION				AREA (square miles)		
	Number	Per square mile of land area	Increase over preceding census		Gross	Land	Water
			Number	Percent			
CONTERMINOUS U.S. [1]							
1790 (Aug. 2)	3,929,214	4.5	(X)	(X)	891,364	864,746	24,065
1800 (Aug. 4)	5,308,483	6.1	1,379,269	35.1	891,364	864,746	24,065
1810 (Aug. 6)	7,239,881	4.3	1,931,398	36.4	1,722,685	1,681,828	34,175
1820 (Aug. 7)	9,638,453	5.5	2,398,572	33.1	1,792,552	1,749,462	38,544
1830 (June 1)	12,866,020	7.4	3,227,567	33.5	1,792,552	1,749,462	38,544
1840 (June 1)	17,069,453	9.8	4,203,433	32.7	1,792,552	1,749,462	38,544
1850 (June 1)	23,191,876	7.9	6,122,423	35.9	2,991,655	2,940,042	52,705
1860 (June 1)	31,443,321	10.6	8,251,445	35.8	3,021,295	2,969,640	52,747
1870 (June 1)	[2]39,818,449	[2]13.4	8,375,128	26.6	3,021,295	2,969,640	52,747
1880 (June 1)	50,155,783	16.9	10,337,334	26.0	3,021,295	2,969,640	52,747
1890 (June 1)	62,947,714	21.2	12,791,931	25.5	3,021,295	2,969,640	52,747
1900 (June 1)	75,994,575	25.6	13,046,861	20.7	3,021,295	2,969,834	52,553
1910 (Apr. 15)	91,972,266	31.0	15,977,691	21.0	3,021,295	2,969,565	52,822
1920 (Jan. 1)	105,710,620	35.8	13,738,354	14.9	3,021,295	2,969,451	52,936
1930 (Apr. 1)	122,775,046	41.2	17,064,426	16.1	3,021,295	2,977,128	45,259
1940 (Apr. 1)	131,669,275	44.2	8,894,229	7.2	3,021,295	2,977,128	45,259
1950 (Apr. 1)	150,697,361	50.7	19,028,086	14.5	3,021,295	2,974,726	47,661
1960 (Apr. 1)	178,464,236	60.1	27,766,875	18.4	3,021,295	2,968,054	54,207
UNITED STATES							
1950 (Apr. 1)	151,325,798	42.6	19,161,229	14.5	3,618,770	3,552,206	63,005
1960 (Apr. 1)	179,323,175	50.6	27,997,377	18.5	3,618,770	3,540,911	74,212
1970 (Apr. 1)	[3]203,302,031	[3]57.4	23,978,856	13.4	3,618,770	[3]3,540,023	[3]78,444
1980 (Apr. 1)	226,545,805	64.0	23,243,774	11.4	3,618,770	3,539,289	79,481

X Not applicable. [1] Excludes Alaska and Hawaii. [2] Revised to include adjustments for underenumeration in southern States; unrevised number is 38,558,371 (13.0 per square mile). [3] Figures corrected after 1970 final reports were issued.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1920* to *1960*, vol. I; and other reports and unpublished data. See also *Areas of the United States, 1940*, and *Area Measurement Reports, 1950*, series GE–20, No. 1.

NO. 2. POPULATION: 1900 TO 1987

[In thousands, except percent. Estimates as of July 1. Prior to 1940, excludes Alaska and Hawaii. Total population includes Armed Forces abroad; civilian population excludes Armed Forces. For basis of estimates, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series A 6–8]

YEAR	Resident population	YEAR	TOTAL		Resident population	Civilian population	YEAR	TOTAL		Resident population	Civilian population
			Population	Percent change				Population	Percent change		
1900	76,094	1950	152,271	1.7	151,868	150,790	1970	205,052	1.2	203,984	201,895
1905	83,822	1951	154,878	1.7	153,982	151,599	1971	207,661	1.3	206,827	204,866
1910	92,407	1952	157,553	1.7	156,393	153,892	1972	209,896	1.1	209,284	207,511
1915	100,546	1953	160,184	1.7	158,956	156,595	1973	211,909	1.0	211,357	209,600
1920	106,461	1954	163,026	1.8	161,884	159,695	1974	213,854	.9	213,342	211,636
1925	115,829	1955	165,931	1.8	165,069	162,967	1975	215,973	1.0	215,465	213,788
1930	123,077	1956	168,903	1.8	168,088	166,055	1976	218,035	1.0	217,563	215,894
1935	127,250	1957	171,984	1.8	171,187	169,110	1977	220,239	1.0	219,760	218,106
1940	132,457	1958	174,882	1.7	174,149	172,226	1978	222,585	1.1	222,095	220,467
1941	133,669	1959	177,830	1.7	177,135	175,277	1979	225,055	1.1	224,567	222,969
1942	134,617	1960	180,671	1.6	179,979	178,140	1980	227,757	1.2	227,255	225,651
1943	135,107	1961	183,691	1.7	182,992	181,143	1981	230,138	1.0	229,637	227,989
1944	133,915	1962	186,538	1.5	185,771	183,677	1982	232,520	1.0	231,996	230,327
1945	133,434	1963	189,242	1.4	188,483	186,493	1983	234,799	1.0	234,284	232,589
1946	140,686	1964	191,889	1.4	191,141	189,141	1984	237,001	1.0	236,477	234,782
1947	144,083	1965	194,303	1.3	193,526	191,605	1985	239,283	1.0	238,741	237,036
1948	146,730	1966	196,560	1.2	195,576	193,420	1986	241,596	1.0	241,078	239,357
1949	149,304	1967	198,712	1.1	197,457	195,264	1987	243,773	.9	243,249	241,519
		1968	200,706	1.0	199,399	197,113					
		1969	202,677	1.0	201,385	199,145					

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–25, Nos. 802, 1006, and 1011.

Digitized by Google

No. 3. Population and Area—United States and Outlying Areas: 1960 to 1980

[For area of individual States, see table 318. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 9–22 and J 1–2]

Area	Resident population				Gross area (land and water), 1980 (sq. mi.)
	1960 (April 1)	1970 (April 1)	1980 (April 1)	Percent change, 1970–80	
Total	**183,285,009**	**208,066,557**	**231,106,727**	**11.1**	**3,623,461**
United States	179,323,175	203,302,031	226,545,805	11.4	3,618,770
Puerto Rico [1]	2,349,544	2,712,033	3,196,520	17.9	3,515
Outlying areas	[2] 237,869	[3] 314,657	368,656	17.2	1,176
Territories [3]	[4] 123,151	[4] 179,519	235,927	31.4	459
Guam	67,044	84,996	105,979	24.7	209
Virgin Islands	32,099	62,468	96,569	54.6	132
American Samoa	20,051	27,159	32,297	18.9	77
Pacific Islands, Trust Territory of the [5]	[6] 62,434	81,300	[7] 116,149	42.9	[8] 533
Northern Mariana Islands [5]	[6] 8,290	9,640	16,780	74.1	184
U.S. population abroad [9]	1,374,421	1,737,836	995,546	(X)	(X)
Federal employees	647,730	1,114,224	562,962	– 49.5	(X)
Armed Forces	609,720	[10] 1,057,776	[10] 515,408	– 51.3	(X)
Civilians	38,010	56,448	[11] 47,554	– 15.8	(X)
Dependents of Federal employees	506,393	371,366	[10] 432,584	16.5	(X)
Crews of merchant vessels	32,464	15,910	(NA)	(X)	(X)
Other citizens	[12] 167,834	[12] 236,336	(NA)	(X)	(X)

NA Not available. X Not applicable. [1] Puerto Rico was ceded to the United States by Spain in 1898. On July 25, 1952, pursuant to acts of Congress, it achieved the political status of the Commonwealth of Puerto Rico. [2] Includes population of Canal Zone (1960, 42,122; 1970, 44,198) and, for 1960 only, Corn Islands (1,872), not shown separately. Treaty of 1976 with Republic of Panama ended U.S. jurisdiction over Canal Zone on Oct. 1, 1979. Lease of Corn Islands from Republic of Nicaragua was terminated in 1971. [3] Includes Midway, Wake, Canton and Enderbury Islands, and Johnston Atoll, not shown separately; see section 30. Jurisdiction over Canton and Enderbury Islands was relinquished to Kiribati in 1979, pending approval by the U.S. Senate, but the islands were included in the 1980 census. Area data also include uninhabited areas of Navassa, Baker, Howland, Jarvis, and Palmyra. [4] Includes population of Swan Islands (1960, 28; 1970, 22), not shown separately. Pursuant to treaty in 1972, jurisdiction of the Swan Islands was transferred to Honduras. [5] Administered by United States since July 18, 1947, under United Nations Trusteeship system. Northern Mariana Islands is legally part of Pacific Islands,Trust Territory of the but both are recognized as separate entities for census purposes. [6] Census of 1958 conducted by the Office of the High Commissioner, Pacific Islands, Trust Territory of the. [7] Census conducted on September 15, 1980. [8] Comprises land area only. [9] Excludes U.S. citizens temporarily abroad on private business, travel, etc. Such persons were enumerated at their usual place of residence in the United States as absent members of their own households. [10] Based partially on tabulations provided by U.S. Department of Defense. [11] Based on data supplied by U.S. Office of Personnel Management. [12] Represents U.S. citizens abroad for extended periods. Since this population was enumerated on a voluntary basis, its coverage is probably less complete than that of other categories of Americans abroad.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, and *1980 Census of Population*, vol. 1, chapter A (PC80–1–A).

No. 4. U.S. Population Abroad, by Selected Country: 1987

[**In thousands.** As of **May 1.** Data compiled as part of noncombatant personnel evacuation requirements report]

Country	Total [1]	Resident U.S. citizen	U.S. tourists	Country	Total [1]	Resident U.S. citizen	U.S. tourists
Total [2]	**4,442.3**	**1,981.3**	**772.0**	Japan	104.1	40.6	12.8
Australia	87.6	67.6	15.4	Jerusalem	43.7	30.4	7.1
Bahamas, The	16.5	5.1	5.1	Mexico	494.1	294.1	110.2
Belgium	22.5	14.7	2.7	Netherlands	26.1	17.3	2.0
Brazil	76.6	41.5	11.2	Norway	28.6	13.4	10.0
Canada	433.9	314.8	112.8	Panama	37.1	9.9	.5
China: Taiwan	67.1	9.1	.6	Philippines	212.2	39.6	3.0
Colombia	30.2	16.6	1.9	Portugal	35.6	13.4	5.1
Costa Rica	29.3	15.6	3.5	Saudi Arabia	112.5	23.6	.4
Dominican Republic	95.0	60.8	10.8	South Africa	28.3	10.5	16.5
Ecuador	18.7	12.5	1.2	South Korea	124.5	10.0	21.9
Egypt	19.8	11.1	.2	Spain	114.1	55.7	28.3
France	138.1	40.2	82.2	Switzerland	34.0	21.0	9.0
Greece	74.5	54.1	14.1	Trinidad and Tobago	20.7	2.6	2.5
Hong Kong	120.2	14.3	5.7	United Arab Emirates	37.5	4.9	.3
Ireland	39.7	29.6	3.6	United Kingdom	247.2	135.6	45.0
Israel	139.1	75.8	60.0	Venezuela	42.7	19.8	.9
Italy	195.2	86.9	41.4	West Germany	547.3	136.7	24.4
Jamaica	21.3	4.8	10.4				

[1] Includes Dept. of Defense noncombatant employees, other U.S. government employees, dependents of U.S. military and civilian employees, and third country and host nationals and relatives, not shown separately. [2] Includes other countries not shown separately.

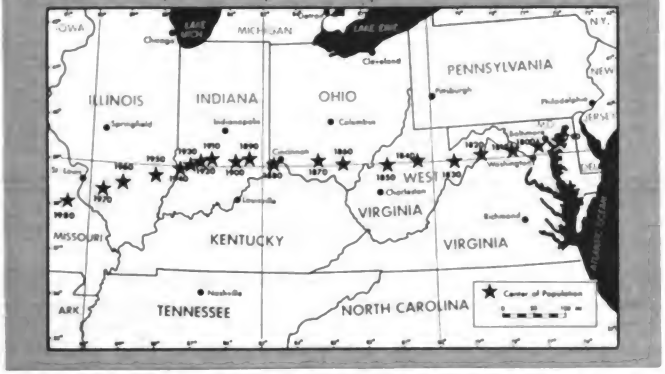
Source: U.S. Dept. of State, unpublished data.

Digitized by Google

No. 5. Center of Population: 1790 to 1980

["Center of population" is that point at which an imaginary flat, weightless, and rigid map of the United States would balance if weights of identical value were placed on it so that each weight represented the location of one person on the date of the census]

YEAR[1]	North latitude			West longitude			Approximate location
	°	′	″	°	′	″	
1790 (Aug. 2)	39	16	30	76	11	12	23 miles east of Baltimore, MD
1850 (June 1)	38	59	0	81	19	0	23 miles southeast of Parkersburg, WV
1900 (June 1)	39	9	36	85	48	54	6 miles southeast of Columbus, IN
1950 (Apr. 1)	38	50	21	88	9	33	8 miles north-northwest of Olney, Richland County, IL
1960 (Apr. 1)	38	35	58	89	12	35	In Clinton Co. about 6½ miles northwest of Centralia, IL
1970 (Apr. 1)	38	27	47	89	42	22	5.3 miles east-southeast of the Mascoutah City Hall in St. Clair County, IL
1980 (Apr. 1)	38	8	13	90	34	26	1/4 mile west of De Soto in Jefferson County, MO



[1] For dates of admissions of the States and changes in areal definition, see "State Origins and Boundaries," United States Summary, U.S. Census of Population: 1960, vol. 1. For year of admission to statehood, see table 318.

Source: U.S. Bureau of the Census, 1980 Census of Population, Vol. 1.

No. 6. Estimated Components of Population Change: 1950 to 1986

[For explanation of annual average percent change, see Guide to Tabular Presentation]

YEAR OR PERIOD	TOTAL (Jan. 1–Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase[1]		Natural increase		Net civilian immigration (1,000)	Net growth rate[1]	Natural increase			Net civilian immigration rate
		Total (1,000)	Percent[2]	Births[3] (1,000)	Deaths[4] (1,000)			Total	Birth rate[3]	Death rate[4]	
1950	151,135	2,486	1.7	3,645	1,468	299	16.3	14.3	23.9	9.8	2.0
1955	164,588	2,925	1.8	4,128	1,537	337	17.6	15.8	24.9	9.3	2.0
1960	179,386	2,901	1.6	4,307	1,706	327	16.1	14.4	23.8	9.5	1.8
1965	193,223	2,315	1.2	3,801	1,830	373	11.9	10.1	19.6	9.4	1.9
1970	203,849	2,817	1.3	3,739	1,927	438	12.6	8.8	18.2	9.4	2.1
1975	214,931	2,165	1.0	3,144	1,894	449	10.0	5.8	14.8	8.8	2.1
1978	221,477	2,388	1.1	3,333	1,928	508	10.7	6.3	15.0	8.7	2.3
1979	223,865	2,586	1.2	3,494	1,914	540	11.5	7.0	15.5	8.5	2.4
1980	226,451	2,582	1.1	3,612	1,990	845	11.3	7.1	15.9	8.7	3.7
1981	229,033	2,371	1.0	3,629	1,979	718	10.3	7.2	15.8	8.6	3.1
1982	231,405	2,332	1.0	3,681	1,975	626	10.0	7.3	15.8	8.5	2.7
1983	233,736	2,224	1.0	3,639	2,020	605	9.5	6.9	15.5	8.6	2.6
1984	235,961	2,246	1.0	3,669	2,040	615	9.5	6.9	15.6	8.6	2.6
1985	238,207	2,316	1.0	3,750	2,083	648	9.7	7.0	15.7	8.7	2.7
1986	240,523	2,219	.9	3,687	2,093	625	9.2	6.6	15.3	8.7	2.6
	ANNUAL AVERAGES										
1950–1954	151,135	2,690	1.7	3,902	1,500	285	17.1	15.2	24.6	9.5	1.8
1955–1959	164,588	2,980	1.7	4,259	1,814	316	17.2	15.4	24.8	9.4	1.8
1960–1964	179,386	2,787	1.5	4,210	1,757	346	14.9	13.2	22.8	9.4	1.9
1965–1969	193,223	2,125	1.1	3,628	1,868	419	10.7	8.7	18.3	9.5	2.1
1970–1974	203,849	2,218	1.1	3,370	1,946	359	10.8	6.8	16.1	9.3	1.7
1975–1979	214,931	2,304	1.0	3,293	1,909	449	10.4	6.3	14.9	8.7	2.0
1980–1984	226,451	2,351	1.0	3,646	2,001	682	10.1	7.1	15.7	8.6	2.9
1985–1986	238,207	2,268	.9	3,719	2,088	636	9.4	6.8	15.5	8.7	2.8

[1] Includes overseas admissions into, less discharges from, Armed Forces and includes for 1950–1980 "error of closure" (the amount necessary to make the components of change add to the net change between censuses), for which figures are not shown separately. [2] Percent of population at beginning of period. [3] Adjusted for underregistration prior to April 1, 1970. [4] Prior to April 1, 1980, adjusted for underregistration of infant deaths.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 952, 1006, and unpublished data.

Digitized by Google

No. 7. Immigration: 1820 to 1986

[In thousands, except rate. For fiscal years ending in year shown, except as noted; see text, section 9. For definition of immigrants, see text, section 1. For 1820–1867, alien passengers arriving; 1868–1891 and 1895–1897, immigrants arriving; 1892–1894 and 1898 to the present, immigrants admitted. Rates based on Bureau of the Census estimates as of July 1 for resident population through 1929, and for total population thereafter (excluding Alaska and Hawaii prior to 1959). See also *Historical Statistics, Colonial Times to 1970*, series C 89]

PERIOD	TOTAL		PERIOD OR YEAR	TOTAL		YEAR	TOTAL	
	Number	Rate [1]		Number	Rate [1]		Number	Rate [1]
1820–1986	**53,122**	**3.4**	1931–1940	528	4	1972	385	1.8
			1941–1950	1,035	.7	1973	400	1.9
1820–1830 [2]	152	1.2	1951–1960	2,515	1.5	1974	395	1.9
1831–1840 [2]	599	3.9	1961–1970	3,322	1.7	1975	386	1.8
1841–1850 [4]	1,713	8.4	1971–1980 [6]	4,493	2.1	1976	399	1.9
1851–1860 [4]	2,598	9.3	1981–1986	3,466	2.4	1977	462	2.1
1861–1870 [5]	2,315	6.4	1965	297	1.5	1978	601	2.8
1871–1880	2,812	6.2	1966	323	1.6	1979	460	2.1
1881–1890	5,247	9.2	1967	362	1.8	1980	531	2.3
1891–1900	3,688	5.3	1968	454	2.3	1981	597	2.6
1901–1910	8,795	10.4	1969	359	1.8	1982	594	2.6
1911–1920	5,736	5.7	1970	373	1.8	1983	580	2.4
1921–1930	4,107	3.5	1971	370	1.8	1984	544	2.3
						1985	570	2.4
						1986	602	2.5

[1] Annual rate per 1,000 U.S. population. Rate computed by dividing sum of annual immigration totals by sum of annual U.S. population totals for same number of years. [2] Oct. 1, 1819–Sept. 30, 1830. [3] Oct. 1, 1830–Dec. 31, 1840. [4] Calendar years. [5] Jan. 1, 1861–June 30, 1870. [6] Includes transition quarter, July 1 to Sept. 30, 1976.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

No. 8. Immigrants, by Country of Birth: 1961 to 1986

[In thousands. For fiscal years ending in year shown; see text, section 9. For definition of immigrants, see text, section 1]

COUNTRY OF BIRTH	1961–1970, total	1971–1980, total	1981–1985, total	1986
All countries	**3,321.7**	**4,493.3**	**2,864.4**	**601.7**
Europe [1]	**1,238.6**	**801.3**	**321.8**	**62.5**
Austria	13.7	4.7	1.9	.5
Belgium	8.5	4.0	2.6	.6
Czechoslovakia	21.4	10.2	5.1	1.1
Denmark	11.8	4.5	2.5	.6
Finland	5.8	3.4	1.6	.3
France	34.3	17.8	10.1	2.5
Germany	200.0	66.0	34.5	7.1
Greece	90.2	93.7	16.3	2.5
Hungary	17.3	11.6	3.7	1.0
Ireland	42.4	14.1	5.6	1.8
Italy	206.7	130.1	17.6	3.1
Netherlands	27.6	10.7	5.6	1.3
Norway	16.4	4.0	1.9	.4
Poland	73.3	43.6	36.3	6.5
Portugal	79.3	104.5	21.4	3.6
Romania	14.9	17.5	16.6	5.2
Soviet Union [3]	15.7	43.2	39.5	2.6
Spain	30.5	30.0	7.6	1.6
Sweden	16.7	6.3	4.7	1.1
Switzerland	16.3	6.6	3.2	.7
United Kingdom	230.5	123.5	71.7	13.7
Yugoslavia	46.2	42.1	6.1	2.0
Asia [1]	**445.3**	**1,633.8**	**1,376.3**	**264.2**
Cambodia	1.2	8.4	70.1	13.5
China, Mainland	96.7	202.5	180.9	25.1
Taiwan				13.4
Hong Kong	25.6	47.5	25.7	5.0
India	31.2	176.6	119.7	26.2
Iran	10.4	46.2	62.5	16.5
Iraq	6.4	23.4	12.9	1.3
Israel	12.9	26.6	16.3	3.6
Japan	38.5	47.9	20.0	4.0

COUNTRY OF BIRTH	1961–1970, total	1971–1980, total	1981–1985, total	1986
Asia—Con.				
Jordan	14.0	29.6	14.9	3.1
Korea	35.8	272.0	166.0	35.8
Laos	.1	22.6	97.4	7.8
Lebanon	7.5	33.6	17.0	4.0
Pakistan	4.9	31.2	25.8	6.0
Philippines	101.5	360.2	221.2	52.6
Thailand	5.0	44.1	26.3	6.2
Turkey	6.6	18.6	11.4	1.8
Vietnam	4.6	179.7	234.8	30.0
North America [1]	**1,351.1**	**1,845.0**	**865.7**	**207.7**
Canada	296.7	114.6	55.6	11.0
Mexico	443.3	637.2	335.2	66.5
Caribbean [1]	519.5	759.6	371.6	101.6
Barbados	9.4	20.9	9.4	1.6
Cuba	256.6	276.8	58.9	33.1
Dominican Republic	94.1	148.0	104.6	26.2
Haiti	37.5	56.7	43.9	12.7
Jamaica	71.0	142.0	100.5	19.6
Trinidad and Tobago	24.6	61.6	17.0	2.9
Central America [1]	97.7	132.4	123.1	28.4
El Salvador	15.0	34.4	42.9	10.9
Guatemala	15.4	25.6	19.9	5.2
Nicaragua	10.1	13.0	14.3	2.8
Panama	18.4	22.7	15.4	2.2
South America [1]	**226.3**	**284.4**	**184.0**	**41.9**
Argentina	42.1	25.1	10.2	2.2
Brazil	20.5	13.7	8.7	2.3
Colombia	70.3	77.6	51.6	11.4
Ecuador	37.0	50.2	22.2	4.5
Guyana	7.1	47.5	42.7	10.4
Peru	16.6	29.1	21.6	4.9
Africa	**39.3**	**91.5**	**77.0**	**17.5**
Egypt	17.2	25.5	14.2	3.0
Australia	**9.9**	**14.3**	**6.6**	**1.4**
New Zealand	**3.7**	**5.3**	**3.2**	**.8**
Other countries	**5.5**	**17.7**	**9.8**	**1.9**

[1] Includes countries not shown separately. [2] Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

Digitized by Google

No. 9. Immigrants Admitted, by Class of Admission: 1970 to 1986

[For fiscal year ending in year shown; see text, section 9. For definition of immigrants, see text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series C 143–157]

CLASS OF ADMISSION	1970	1975	1980	1983	1984	1985	1986
Immigrants, total	**373,326**	**386,194**	**530,639**	**559,763**	**543,903**	**570,009**	**601,708**
Subject to limitations [1]	287,283	281,561	289,479	269,213	262,018	264,208	266,968
Relative preferences	92,432	95,945	216,856	213,488	212,324	213,257	212,939
Unmarried sons and daughters of U.S. citizens and their children (1st preference)	1,089	871	5,668	8,892	7,569	9,319	10,910
Spouses, unmarried sons and daughters of resident aliens, and their children (2d preference)	30,714	43,077	110,269	116,623	112,309	114,997	110,926
Married sons and daughters of U.S. citizens (4th preference) [2]	8,350	3,623	10,752	20,948	14,681	18,460	20,702
Brothers and sisters of U.S. citizens (5th preference) [2]	52,279	48,374	90,187	69,025	77,765	70,481	70,401
Occupational preferences	34,018	29,334	44,369	55,468	49,521	50,895	53,625
Immigrants in professions (3d preference)	10,142	8,363	8,238	12,338	10,691	10,947	11,763
Other workers (6th preference)	8,786	8,724	12,599	12,706	11,393	11,425	11,399
Their spouses and children	15,088	14,247	23,532	30,422	27,437	28,523	30,463
Conditional entrants [3]	9,863	9,129	12,222	(x)	(x)	(x)	(x)
Nonpreference (incl. private bill cases) [4]	36,057	25,961	–	–	–	7	–
Natives of Western Hemisphere, their spouses and children [5]	102,529	96,547	15,913	49	(x)	(x)	(x)
Cuban Refugee Act (Act of Nov. 1966) [6]	12,208	24,554	(x)	(x)	(x)	(x)	(x)
Other [7]	178	91	119	208	171	49	404
Exempt from numerical limitations	86,043	104,633	241,160	290,550	281,887	305,801	334,740
Immediate relatives	79,213	91,504	151,131	172,006	177,783	198,143	216,821
Wives of U.S. citizens	36,276	33,719	90,887	107,349	111,653	124,093	131,545
Husbands of U.S. citizens	15,819	21,901					
Children of U.S. citizens	18,095	22,315	26,562	29,960	31,559	35,064	40,044
Orphans	(NA)	5,633	5,139	7,127	8,327	9,286	9,945
Parents of U.S. citizens	9,223	13,569	33,682	34,697	34,571	38,986	45,232
Refugees	144	879	75,835	102,685	92,127	95,040	104,383
Cuban Refugee Act, Nov. 1966 [6]	124	879	8,021	3,274	3,460	14,288	30,152
Indochinese Refugee Act, Oct. 1977	(x)	(x)	22,497	3,122	875	166	196
Refugee-Parolee Act, Oct. 1978	(x)	(x)	44,058	3,409	7,657	3,766	1,720
Asylees, Refugee Act of 1980	(x)	(x)	1,250	2,914	5,807	5,000	5,000
Refugees, Refugee Act of 1980	(x)	(x)	(x)	79,965	74,528	71,820	67,375
Other refugees	20	–	9	1	–	–	–
Special immigrants	1,844	2,854	3,142	3,175	2,338	2,551	2,992
Ministers of religion [8]	1,497	1,231	1,529	1,734	1,540	1,853	2,060
Employees of U.S. Government abroad [8]	290	1,622	1,354	529	535	479	773
Foreign medical graduates, I&NA Amendments of 1981 [9]	(x)	(x)	(x)	790	174	87	48
Other special immigrants	57	1	259	122	89	132	111
Children born abroad to resident aliens or subsequent to issuance of visa	3,012	3,638	4,059	3,501	3,759	3,508	3,554
Aliens adjusted [4]	1,543	591	254	144	132	105	95
Spouses of U.S. citizens and their children, Act of April 1970	9	5,057	6,812	5,786	5,464	8,225	6,647
Investors, I&NA Amendments of 1981 [9]	(x)	(x)	(x)	818	128	52	40
Virgin Islands Nonimmigrants, Act of Sept. 1982 [9]	(x)	(x)	(x)	2,517	15	(x)	(x)
Others not subject to numerical limitation	278	112	127	120	141	177	208

– Represents zero. NA Not available. X Not applicable.
[1] From 1970 to December 1976, preference classifications were applied only to Eastern Hemisphere immigrants; see text, section 1. [2] Includes spouses and children. [3] Prior to 1981, conditional entrants were a 7th preference class. [4] Through 1975, includes private bill cases. No nonpreference visas issued since 1978. 1985 data represent prior contested cases. [5] No visas issued after 1982. [6] See text, section 1. As of Jan. 1977, Act of Nov. 1966 not subject to numerical limitations. [7] Beginning 1980, includes private bill cases. [8] Under sections 244 and 249, Immigration and Naturalization Act.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual

No. 10. Estimated Refugee Arrivals by Selected Country of Citizenship: 1982 to 1986

[For fiscal years ending in year shown; see text, section 9]

COUNTRY OF CITIZENSHIP	1982	1983	1984	1985	1986
Total	**97,300**	**60,700**	**70,600**	**67,800**	**62,250**
Afghanistan	4,250	2,900	2,000	2,200	2,400
Angola	100	–	100	50	–
Bulgaria	100	150	150	150	150
Cambodia	20,850	13,200	19,850	19,250	10,050
Cuba	500	650	50	150	150
Czechoslovakia	700	1,250	800	950	1,400
Ethiopia	3,150	2,550	2,500	1,750	1,250
Hungary	450	650	550	500	650
Iran	–	900	2,850	3,450	3,200
Iraq	2,000	1,600	150	250	300
Laos	9,600	2,950	7,200	5,250	12,900
Poland	8,500	5,550	3,950	2,850	3,600
Romania	2,900	3,750	4,250	4,500	2,600
Soviet Union	2,750	1,400	750	650	800
Vietnam	41,700	23,050	24,950	25,400	22,450
Other [1]	1,750	150	500	450	350

– Represents zero. [1] Includes those from countries other than those listed, those whose country of citizenship is unknown, and those with no country of citizenship.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, unpublished data.

Digitized by Google

No. 11. Immigrants Admitted as Permanent Residents Under Refugee Acts, by Country of Birth: 1961 to 1986

[For fiscal years ending in year shown; see text, section 9. Covers immigrants who were allowed to enter U.S. under 1953 Refugee Relief Act and later acts; Hungarian parolees under July 1958 Act; refugee-escapee parolees under July 1960 Act; conditional entries by refugees under Oct. 1965 Act; Cuban parolees under Nov. 1966 Act; beginning 1978, Indochina refugees under Act of Oct. 1977; beginning 1980, refugee-parolees under the Act of Oct. 1978, and asylees under the Act of March 1980; and beginning 1981, refugees under the Act of March 1980]

COUNTRY OF BIRTH	1961–1970, total	1971–1980, total	1981–1985, total	1986
Total	**212,843**	**539,447**	**554,026**	**104,383**
Europe [1]	**55,235**	**71,858**	**71,083**	**11,868**
Austria	233	185	182	53
Bulgaria	1,799	1,238	513	134
Czechoslovakia	5,709	3,646	3,601	841
Germany	665	143	287	104
Greece	586	478	800	27
Hungary	4,044	4,358	1,616	543
Italy	1,198	346	177	24
Netherlands	3,134	8	7	–
Poland	3,197	5,882	14,596	3,949
Portugal	1,361	21	18	–
Romania	7,156	6,812	12,979	4,308
Soviet Union	871	31,309	35,318	1,654
Spain	4,114	5,317	378	114
Yugoslavia	18,299	11,297	166	32
Other Europe	2,867	818	425	85
Asia [1]	**19,895**	**210,683**	**436,183**	**58,685**
Cambodia	–	7,739	68,936	13,300
China, Mainland	5,308	13,760	5,317	618
Taiwan				1
Indonesia	7,658	222	913	148
Japan	554	56	91	5
Korea	1,316	65	99	6
Laos	–	21,690	96,643	7,556
Vietnam	7	150,266	216,079	23,930
Other Asia	5,052	16,885	48,105	13,121
North America	**132,068**	**252,633**	**34,515**	**31,086**
Cuba	131,557	251,514	32,458	30,333
Other N. America	511	1,119	2,057	753
South America	**123**	**1,244**	**927**	**195**
Africa	**5,486**	**2,991**	**11,281**	**2,547**
Other	**36**	**38**	**37**	**2**

– Represents zero. [1] Through 1970, Turkey included in Europe; thereafter, included in Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and releases.

No. 12. Refugee Arrivals by Selected Area of Citizenship and State: 1980 to 1986

[For fiscal years ending in years shown; see text, section 9]

STATE	SOUTHEAST ASIA [1]			East Europe [2] / Soviet Union, 1986	Other, [3] 1986
	1980	1985	1986		
U.S	**[4] 166,727**	**[4] 49,853**	**[4] 45,391**	**9,077**	**7,204**
AL	853	206	267	14	4
AK	111	24	39	14	12
AZ	1,254	671	657	150	133
AR	1,112	114	137	18	2
CA	48,540	16,107	15,166	1,811	3,066
CO	2,792	539	515	74	128
CT	1,770	608	521	237	38
DE	72	7	30	3	8
DC	3,191	200	107	64	125
FL	2,926	1,104	883	217	121
GA	2,427	1,043	823	85	120
HI	2,385	302	251	10	–
ID	335	211	201	117	5
IL	7,012	1,776	1,548	847	239
IN	1,585	242	191	67	36
IA	2,837	563	751	35	6
KS	1,924	803	517	7	14
KY	790	354	387	3	16
LA	2,116	725	599	5	16
ME	278	214	150	63	36
MD	1,257	548	502	170	317
MA	3,748	2,520	1,941	293	87
MI	3,142	362	491	495	142
MN	7,425	1,480	1,936	69	62
MS	436	128	137	4	1
MO	1,713	629	713	189	86
MT	540	31	33	3	2
NE	741	74	126	41	28
NV	719	163	131	27	100
NH	130	143	46	15	4
NJ	1,613	507	436	399	126
NM	1,274	271	126	9	20
NY	5,936	2,185	1,946	1,602	729
NC	1,734	540	473	71	31
ND	331	92	51	62	7
OH	2,465	778	594	156	81
OK	2,204	506	393	21	38
OR	6,213	767	713	107	38
PA	6,669	1,744	1,380	370	79
RI	1,132	492	371	57	2
SC	573	81	71	3	10
SD	389	36	40	53	27
TN	2,032	591	611	77	38
TX	12,251	4,219	3,493	376	477
UT	3,568	815	620	79	18
VT	151	39	25	94	4
VA	3,153	1,211	1,177	39	341
WA	7,972	2,443	2,100	265	141
WV	213	22	13	6	5
WI	2,492	420	737	41	17
WY	113	8	9	3	1

– Represents zero. [1] Vietnam, Laos, and Cambodia. [2] Czechoslovakia, Hungary, Poland, and Romania. [3] Afghanistan, Iran, Iraq, and Ethiopia. [4] Includes those in Guam and whose destination is unknown.

Source: U.S. Dept. of Health and Human Services, Office of Refugee Resettlement, *Report to the Congress*, annual.

Digitized by Google

NO. 13. TOTAL POPULATION, BY AGE AND SEX: 1960 TO 1986

[In thousands, except as indicated. As of July 1. Includes Armed Forces abroad. For derivation of estimates, see text, section 1. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A23–25 and A29–41]

YEAR AND SEX	Total, all ages	Under 5 years	5–13 years	14–17 years	18–21 years	22–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–54 years	55–64 years	65–74 years	75 years and over	16 years and over	18 years and over	21 years and over	65 years and over	Median age (yr.)
Total:																			
1960	180,671	20,341	32,965	11,219	9,555	6,573	10,936	11,983	12,542	11,679	20,578	15,625	11,053	5,622	121,835	116,146	108,856	16,675	29.4
1970	205,052	17,166	36,672	15,924	14,719	9,992	13,736	11,567	11,155	11,995	23,316	16,682	12,493	7,614	143,070	135,290	124,127	20,107	27.9
1975	215,973	16,121	33,919	17,126	16,674	11,331	12,261	14,191	11,634	11,197	23,757	20,045	13,917	8,779	157,343	148,805	136,139	22,898	28.7
1980	227,757	16,458	31,095	16,142	17,531	12,819	13,804	17,822	14,124	11,744	22,754	21,782	15,853	10,051	172,456	164,062	150,876	25,704	30.0
1981	230,138	16,931	30,754	15,599	17,432	12,996	20,306	18,653	14,423	12,037	22,614	21,956	15,914	10,323	175,017	166,854	153,753	26,236	30.3
1982	232,520	17,298	30,614	15,041	17,284	12,999	20,865	18,876	15,646	12,469	22,488	22,114	16,197	10,830	177,346	169,567	156,687	26,827	30.6
1983	234,799	17,650	30,410	14,720	16,890	13,052	21,321	19,281	16,214	13,154	22,445	22,233	16,494	10,934	179,480	172,019	159,444	27,428	30.9
1984	237,001	17,830	30,236	14,704	16,369	13,022	21,660	19,769	16,984	13,636	22,501	22,316	16,739	11,234	181,515	174,229	162,104	27,973	31.2
1985	239,283	18,017	30,110	14,865	15,813	12,936	21,891	20,346	17,762	14,077	22,596	22,335	17,003	11,533	183,575	176,291	164,661	28,536	31.5
1986	241,596	18,128	30,346	14,797	15,252	12,721	22,136	20,846	18,775	14,367	22,823	22,230	17,325	11,847	185,767	178,325	167,087	29,173	31.8
Male:																			
1960	89,320	10,339	16,762	5,683	4,810	3,284	5,423	5,904	6,140	5,732	10,142	7,559	5,133	2,409	59,413	56,536	52,859	7,542	28.5
1970	100,354	8,751	18,667	8,106	7,444	5,007	6,821	5,716	5,475	5,847	11,253	8,833	5,461	2,953	66,767	64,808	59,164	8,413	26.6
1980	110,886	8,411	15,893	8,247	8,878	6,449	9,897	8,845	6,964	5,756	10,996	10,180	6,791	3,575	82,624	78,331	71,647	10,366	28.8
1985	116,649	9,218	15,415	7,611	8,013	6,516	11,006	10,166	8,792	6,909	10,968	10,500	7,472	4,064	88,132	84,405	78,511	11,535	30.3
1986	117,820	9,274	15,541	7,579	7,728	6,411	11,135	10,432	9,306	7,051	11,085	10,456	7,645	4,178	89,237	85,426	79,726	11,823	30.6
Female:																			
1960	91,352	10,002	16,203	5,536	4,745	3,289	5,512	6,079	6,403	5,946	10,436	8,067	5,920	3,212	62,422	59,610	55,997	9,133	30.3
1970	104,698	8,415	17,985	7,818	7,275	4,986	6,915	5,872	5,680	6,148	12,063	9,849	7,032	4,661	74,303	70,482	64,963	11,693	29.2
1980	116,869	8,040	15,203	7,895	8,653	6,370	9,906	8,977	7,160	5,988	11,758	11,582	8,862	6,476	89,833	85,731	79,226	15,338	31.3
1985	122,634	8,798	14,695	7,255	7,800	6,419	10,886	10,180	8,969	7,167	11,629	11,836	9,530	7,470	95,443	91,886	86,150	17,000	32.7
1986	123,776	8,854	14,805	7,218	7,524	6,310	11,001	10,416	9,470	7,316	11,737	11,774	9,681	7,669	96,530	92,899	87,361	17,350	33.0
PERCENT DISTRIBUTION																			
Total:																			
1960	100.0	11.3	18.2	6.2	5.3	3.6	6.1	6.6	6.9	6.5	11.4	8.6	6.1	3.1	67.4	64.3	60.3	9.2	(x)
1970	100.0	8.4	17.9	7.8	7.2	4.9	6.7	5.7	5.4	5.8	11.4	9.1	6.1	3.7	69.8	66.0	60.5	9.8	(x)
1980	100.0	7.2	13.7	7.1	7.7	5.6	6.1	7.8	6.2	5.2	10.0	9.6	6.9	4.4	75.7	72.0	66.2	11.3	(x)
1985	100.0	7.5	12.6	6.2	6.6	5.4	9.1	8.5	7.4	5.9	9.4	9.3	7.1	4.8	76.7	73.7	68.8	11.9	(x)
1986	100.0	7.5	12.6	6.1	6.3	5.3	9.2	8.6	7.8	5.9	9.4	9.2	7.2	4.9	76.9	73.8	69.2	12.1	(x)
Male:																			
1960	100.0	11.6	18.8	6.4	5.4	3.7	6.1	6.6	6.9	6.4	11.4	8.5	5.7	2.7	66.5	63.3	59.2	8.4	(x)
1970	100.0	8.7	18.6	8.1	7.4	5.0	6.8	5.7	5.5	5.8	11.2	8.8	5.4	2.9	66.5	64.6	59.0	8.4	(x)
1980	100.0	7.6	14.3	7.4	8.0	5.8	8.9	8.0	6.3	5.2	9.9	9.2	6.1	3.2	74.5	70.6	64.6	9.4	(x)
1985	100.0	7.9	13.2	6.5	6.9	5.6	9.4	8.7	7.5	5.9	9.4	9.0	6.4	3.5	75.6	72.4	67.3	9.9	(x)
1986	100.0	7.9	13.2	6.4	6.6	5.4	9.5	8.9	7.9	6.0	9.4	8.9	6.5	3.5	75.7	72.5	67.7	10.0	(x)
Female:																			
1960	100.0	10.9	17.7	6.1	5.2	3.6	6.0	6.7	7.0	6.5	11.4	8.8	6.5	3.5	68.3	65.3	61.3	10.0	(x)
1970	100.0	8.0	17.2	7.5	6.9	4.8	6.6	5.6	5.4	5.9	11.5	9.4	6.7	4.5	71.0	67.3	62.0	11.2	(x)
1980	100.0	6.9	13.0	6.8	7.4	5.4	8.5	7.7	6.1	5.1	10.1	9.9	7.6	5.5	76.9	73.4	67.8	13.1	(x)
1985	100.0	7.2	12.0	5.9	6.4	5.2	8.9	8.3	7.3	5.8	9.5	9.7	7.8	6.1	77.8	74.9	70.2	13.9	(x)
1986	100.0	7.2	12.0	5.8	6.1	5.1	8.9	8.4	7.7	5.9	9.5	9.5	7.8	6.2	78.0	75.1	70.6	14.0	(x)

X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–25, Nos. 519, 917, and 1000.

Digitized by Google

No. 14. Estimated Components of Population Change, by Race, 1970 to 1986, and Projections, 1987 to 2000

[Includes Armed Forces overseas. Projections are for middle series (series 14). For explanation of methodology, see text, section 1]

Year and race	TOTAL (Jan. 1–Dec. 31)						RATE PER 1,000 MIDYEAR POPULATION				
	Population at start of period (1,000)	Net increase [1]		Natural increase		Net civilian immigration (1,000)	Net growth rate [1]	Natural increase			Net civilian immigration rate
		Total (1,000)	Percent [2]	Births (1,000)	Deaths (1,000)			Total	Birth rate	Death rate	
ALL RACES [3]											
Projections:											
1987	242,712	2,226	.92	3,748	2,121	600	9.1	6.7	15.4	8.7	2.5
1988	244,938	2,212	.90	3,758	2,141	595	9.0	6.6	15.3	8.7	2.4
1989	247,150	2,180	.88	3,756	2,161	585	8.8	6.4	15.1	8.7	2.4
1990	249,330	2,125	.85	3,731	2,180	575	8.5	6.2	14.8	8.7	2.3
1995	259,239	1,767	.68	3,517	2,275	525	6.8	4.8	13.5	8.7	2.0
2000	267,498	1,522	.57	3,389	2,366	500	5.7	3.8	12.6	8.8	1.9
WHITE											
1970	178,692	2,050	1.15	3,095	1,687	327	11.4	7.8	17.2	9.4	1.8
1975	186,955	1,459	.78	2,552	1,661	173	7.8	4.7	13.6	8.9	.9
1980	194,834	1,580	.81	2,899	1,739	431	8.1	5.9	14.8	8.9	2.2
1981	196,414	1,554	.79	2,909	1,732	374	7.9	6.0	14.8	8.8	1.9
1982	197,967	1,548	.78	2,942	1,729	334	7.8	6.1	14.8	8.7	1.7
1983	199,515	1,472	.74	2,904	1,766	334	7.4	5.7	14.5	8.8	1.7
1984	200,988	1,476	.73	2,924	1,792	334	7.3	5.7	14.5	8.8	1.7
1985	202,464	1,521	.75	2,963	1,816	352	7.5	5.7	14.7	8.9	1.7
1986	203,985	1,444	.71	2,927	1,830	346	7.1	5.4	14.3	8.9	1.7
Projections:											
1987	205,430	1,512	.74	2,986	1,838	363	7.3	5.6	14.5	8.9	1.8
1988	206,943	1,494	.72	2,990	1,854	358	7.2	5.5	14.4	8.9	1.7
1989	208,437	1,460	.70	2,982	1,872	350	7.0	5.3	14.3	8.9	1.7
1990	209,897	1,408	.67	2,955	1,888	340	6.7	5.1	14.0	9.0	1.6
1995	216,267	1,074	.50	2,744	1,966	296	5.0	3.6	12.7	9.1	1.4
2000	221,088	838	.38	2,602	2,038	273	3.8	2.5	11.7	9.2	1.2
BLACK											
1970	22,617	424	1.87	575	226	39	18.6	15.3	25.2	9.9	1.7
1975	24,602	382	1.55	512	218	38	15.4	11.8	20.8	8.8	1.5
1980	26,680	452	1.69	590	233	75	16.8	13.2	21.9	8.7	2.8
1981	27,132	428	1.58	588	229	69	15.7	13.1	21.5	8.4	2.5
1982	27,560	424	1.54	593	227	58	15.3	13.2	21.3	8.2	2.1
1983	27,985	407	1.45	586	233	54	14.4	12.5	20.8	8.3	1.9
1984	28,391	410	1.44	593	236	54	14.4	12.5	20.7	8.3	1.9
1985	28,802	422	1.47	609	244	58	14.6	12.6	21.0	8.4	2.0
1986	29,224	420	1.44	604	241	57	14.3	12.3	20.5	8.2	1.9
Projections:											
1987	29,642	430	1.45	618	249	61	14.4	12.4	20.7	8.3	2.0
1988	30,072	432	1.43	621	250	60	14.2	12.2	20.5	8.3	2.0
1989	30,503	430	1.41	622	252	60	14.0	12.1	20.3	8.2	2.0
1990	30,934	426	1.38	620	254	60	13.7	11.8	19.9	8.1	1.9
1995	33,000	396	1.20	602	262	56	11.9	10.2	18.1	7.9	1.7
2000	34,939	379	1.08	597	272	54	10.8	9.3	17.0	7.7	1.5

[1] Includes overseas admissions into, less discharges from, Armed Forces and includes for 1970–1980 "error of closure" (the amount necessary to make the components of change add to the net change between censuses), for which figures are not shown separately. [2] Percent of population at beginning of period. [3] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1006 and forthcoming report.

No. 15. Projections of the Hispanic Population by Age and Sex: 1987 to 2000

[As of **July 1**. Includes Armed Forces overseas. See text, section 1 for explanation of methodology. Data are for the middle series with the following assumptions about fertility (ultimate lifetime births per woman), mortality (life expectancy in 2080) and immigration (yearly net immigration): 1.9 births per woman, 81.0 years, and 143,000 net immigration. These projections are not consistent with those shown in tables 14 and 16]

Age and sex	POPULATION (1,000)						PERCENT DISTRIBUTION		PERCENT CHANGE	
	1987	1988	1989	1990	1995	2000	1990	2000	1980–1990	1990–2000
Total	18,312	18,833	19,358	19,887	22,550	25,223	100.0	100.0	34.5	26.8
Under 5 years old	2,151	2,198	2,242	2,282	2,412	2,496	11.5	9.9	36.2	9.4
5–17 years old	4,445	4,563	4,690	4,825	5,555	6,207	24.3	24.6	21.0	28.6
18–24 years old	2,349	2,356	2,369	2,387	2,511	2,767	12.0	11.0	5.3	15.9
25–34 years old	3,452	3,527	3,585	3,629	3,717	3,804	18.2	15.1	42.1	4.8
35–44 years old	2,383	2,515	2,651	2,788	3,430	3,803	14.0	15.1	74.9	36.4
45–54 years old	1,471	1,528	1,594	1,668	2,165	2,811	8.4	11.1	39.3	68.5
55–64 years old	1,092	1,125	1,156	1,183	1,342	1,619	5.9	6.4	50.1	36.9
65–74 years old	605	637	670	707	894	1,041	3.6	4.1	53.0	47.2
75 years old and over	367	385	402	419	525	676	2.1	2.7	64.3	61.8
16 years old and over	12,370	12,729	13,090	13,453	15,322	17,419	67.6	69.0	37.8	29.5
Male	9,155	9,417	9,681	9,947	11,285	12,627	50.0	50.1	34.9	26.9
Female	9,157	9,416	9,678	9,940	11,265	12,596	50.0	49.9	34.2	26.7

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 995.

Digitized by Google

No. 16. Projections of the Total Population by Age, Sex, and Race: 1987 to 2000

[As of July 1. Includes Armed Forces overseas. Data are for middle series. For explanation of methodology, see text, section 1. Minus sign (–) indicates decrease]

Age, sex, and race	Population (1,000)						Percent distribution		Percent change	
	1987	1988	1989	1990	1995	2000	1990	2000	1990–1995	1990–2000
Total population [1]	**243,827**	**246,048**	**248,251**	**250,410**	**260,138**	**268,266**	**100.0**	**100.0**	**9.9**	**7.1**
Under 5 years old	18,198	18,269	18,413	18,406	17,799	16,898	7.4	6.3	11.8	–8.2
5–17 years old	45,277	45,344	45,269	45,630	48,374	48,815	18.2	18.2	–3.4	7.0
18–24 years old	27,355	26,904	26,591	26,140	24,281	25,231	10.4	9.4	–13.9	–3.5
25–34 years old	43,513	43,861	44,024	43,925	40,962	37,149	17.5	13.8	16.7	–15.4
35–44 years old	34,371	35,321	36,548	37,867	42,336	43,911	15.1	16.4	46.5	15.9
45–54 years old	22,277	24,151	24,872	25,487	31,297	37,223	10.2	13.9	12.0	46.0
55–64 years old	22,005	21,799	21,544	21,364	21,325	24,156	8.5	9.0	–1.8	13.1
65–74 years old	17,646	17,873	18,129	18,373	18,930	18,243	7.3	6.8	17.4	–.7
75 years old and over	12,185	12,527	12,863	13,187	14,834	16,639	5.3	6.2	31.2	26.2
16 years old and over	187,955	189,810	191,451	192,989	201,018	210,134	77.1	78.3	11.9	8.9
Male, total	**118,839**	**120,064**	**121,189**	**122,243**	**127,123**	**131,191**	**100.0**	**100.0**	**10.2**	**7.3**
Under 5 years old	9,314	9,351	9,426	9,426	9,118	8,661	7.7	6.6	12.0	–8.1
5–17 years old	23,190	23,228	23,190	23,377	24,787	25,027	19.1	19.1	–3.2	7.1
18–24 years old	13,824	13,598	13,440	13,216	12,290	12,770	10.8	9.7	–13.8	–3.4
25–34 years old	21,846	22,032	22,126	22,078	20,579	18,662	18.1	14.2	17.8	–15.5
35–44 years old	16,980	17,466	18,094	18,785	21,104	21,945	15.4	16.7	47.7	16.8
45–54 years old	11,314	11,750	12,104	12,406	15,292	18,296	10.1	13.9	12.8	47.5
55–64 years old	10,356	10,273	10,170	10,103	10,149	11,557	8.3	8.8	–.8	14.4
65–74 years old	7,809	7,923	8,052	8,171	8,476	8,242	6.7	6.3	20.3	.9
75 years old and over	4,305	4,432	4,559	4,681	5,326	6,032	3.8	4.6	30.9	28.9
16 years old and over	90,333	91,255	92,070	92,834	96,834	101,392	75.9	77.3	12.4	9.2
Female, total	**124,988**	**125,995**	**127,062**	**128,167**	**133,016**	**137,076**	**100.0**	**100.0**	**9.7**	**7.0**
Under 5 years old	8,884	8,918	8,987	8,982	8,681	8,237	7.0	6.0	11.7	–8.3
5–17 years old	22,087	22,115	22,079	22,253	23,587	23,788	17.4	17.4	–3.7	6.9
18–24 years old	13,531	13,307	13,150	12,924	11,991	12,461	10.1	9.1	–14.0	–3.6
25–34 years old	21,667	21,829	21,897	21,848	20,384	18,487	17.0	13.5	15.7	–15.4
35–44 years old	17,391	17,854	18,455	19,112	21,233	21,966	14.9	16.0	45.4	14.9
45–54 years old	11,962	12,401	12,768	13,081	16,005	18,927	10.2	13.8	11.3	44.7
55–64 years old	11,649	11,527	11,375	11,260	11,175	12,601	8.8	9.2	–2.8	11.9
65–74 years old	9,837	9,949	10,077	10,201	10,454	10,001	8.0	7.3	15.1	–2.0
75 years old and over	7,881	8,094	8,304	8,505	9,507	10,807	6.6	7.7	31.3	24.7
16 years old and over	97,623	98,554	99,381	100,155	104,184	108,742	78.1	79.3	11.5	8.6
White, total	**206,190**	**207,886**	**209,178**	**210,816**	**216,830**	**221,514**	**100.0**	**100.0**	**7.7**	**5.2**
Under 5 years old	14,733	14,787	14,899	14,893	14,251	13,324	7.1	6.0	10.4	–10.5
5–17 years old	36,533	36,489	36,317	36,537	38,493	38,569	17.3	17.4	–6.3	5.6
18–24 years old	22,526	22,105	21,775	21,330	19,452	19,998	10.1	9.0	–16.7	–6.2
25–34 years old	36,543	36,749	36,798	36,820	33,660	29,988	17.4	13.5	13.8	–18.1
35–44 years old	29,530	30,251	31,223	32,306	35,635	36,574	15.3	16.5	44.1	13.2
45–54 years old	20,073	20,838	21,450	21,950	26,879	31,818	10.4	14.3	9.8	44.0
55–64 years old	19,377	19,138	18,852	18,637	18,327	20,667	8.8	9.3	–4.8	10.9
65–74 years old	15,804	15,983	16,186	16,360	16,661	15,811	7.8	7.1	16.1	–3.5
75 years old and over	11,071	11,375	11,675	11,965	13,421	14,965	5.7	6.8	30.2	25.1
16 years old and over	161,122	162,390	163,468	164,465	169,865	175,579	78.1	79.3	9.6	6.8
Male	100,918	101,669	102,448	103,184	106,365	108,774	49.0	49.1	8.0	5.4
Female	105,272	106,007	106,730	107,432	110,455	112,739	51.0	50.9	7.4	4.9
Black, total	**29,857**	**30,287**	**30,719**	**31,148**	**33,199**	**35,129**	**100.0**	**100.0**	**15.8**	**12.8**
Under 5 years old	2,744	2,769	2,806	2,814	2,790	2,748	9.0	7.8	13.7	–2.3
5–17 years old	7,020	7,082	7,095	7,170	7,697	7,895	23.0	22.5	2.5	10.1
18–24 years old	3,902	3,853	3,845	3,813	3,703	3,924	12.2	11.2	–5.4	2.9
25–34 years old	5,460	5,562	5,639	5,685	5,534	5,264	18.3	15.0	31.2	–7.4
35–44 years old	3,668	3,826	4,010	4,210	5,041	5,481	13.5	15.6	52.9	30.2
45–54 years old	2,492	2,558	2,620	2,686	3,261	4,106	8.6	11.7	17.4	52.9
55–64 years old	2,123	2,135	2,145	2,156	2,268	2,578	6.9	7.3	12.1	19.6
65–74 years old	1,516	1,545	1,576	1,608	1,762	1,848	5.2	5.3	19.0	14.9
75 years old and over	931	956	981	1,005	1,122	1,283	3.2	3.7	33.1	27.7
16 years old and over	21,239	21,592	21,920	22,226	23,860	25,708	71.4	73.2	19.2	15.7
Male	14,203	14,414	14,625	14,835	15,840	16,787	47.6	47.8	16.2	13.2
Female	15,654	15,874	16,094	16,313	17,359	18,342	52.4	52.2	15.4	12.4

[1] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

Digitized by Google

No. 17. Resident Population, by Sex, Race, Residence, and Median Age: 1790 to 1986

[**In thousands, except as indicated.** Excludes Armed Forces abroad. For definition of median, see Guide to Tabular Presen
See also *Historical Statistics, Colonial Times to 1970*, series A 73–81 and A 143–149]

DATE	SEX		RACE				RESIDENCE [1]		MEDIAN AGE (y
	Male	Female	White	Black		Other	Urban	Rural	All races	White
				Number	Percent					
CONTERMINOUS U.S. [2]										
1790 (Aug. 2)	(NA)	(NA)	3,172	757	19.3	(NA)	202	3,728	(NA)	(NA)
1800 (Aug. 4)	(NA)	(NA)	4,306	1,002	18.9	(NA)	322	4,986	(NA)	16.0
1810 (Aug. 6)	(NA)	(NA)	5,862	1,378	19.0	(NA)	525	6,714	(NA)	16.0
1820 (Aug. 7)	4,897	4,742	7,867	1,772	18.4	(NA)	693	8,945	16.7	16.5
1830 (June 1)	6,532	6,334	10,537	2,329	18.1	(NA)	1,127	11,739	17.2	17.2
1840 (June 1)	8,689	8,381	14,196	2,874	18.8	(NA)	1,845	15,224	17.8	17.9
1850 (June 1)	11,838	11,354	19,553	3,639	15.7	(NA)	3,544	19,648	18.9	19.2
1860 (June 1)	16,085	15,358	26,923	4,442	14.1	79	6,217	25,227	19.4	19.7
1870 (June 1)	19,494	19,065	33,589	4,880	12.7	89	9,902	28,656	20.2	20.4
1880 (June 1)	25,519	24,637	43,403	6,581	13.1	172	14,130	36,026	20.9	21.4
1890 (June 1)	32,237	30,711	55,101	7,489	11.9	358	22,106	40,841	22.0	22.5
1900 (June 1)	38,816	37,178	66,809	8,834	11.6	351	30,160	45,835	22.9	23.4
1910 (Apr. 15)	47,332	44,640	81,732	9,828	10.7	413	41,999	49,973	24.1	24.6
1920 (Jan. 1)	53,900	51,610	94,821	10,463	9.9	427	54,158	51,553	25.3	25.6
1930 (Apr. 1)	62,137	60,638	110,287	11,891	9.7	597	68,955	53,820	26.4	26.9
1940 (Apr. 1)	66,062	65,606	118,215	12,866	9.8	589	74,424	57,246	29.0	29.5
1950 (Apr. 1)	74,833	75,864	134,942	15,042	10.0	713	96,468	54,230	30.2	30.7
UNITED STATES										
1950 (Apr. 1)	75,187	76,139	135,150	15,045	9.9	1,131	96,847	54,479	30.2	30.7
1960 (Apr. 1)	88,331	90,992	158,832	18,872	10.5	1,620	125,269	54,054	29.5	30.0
1970 (Apr. 1) [3]	98,926	104,309	178,098	22,581	11.1	2,557	149,325	53,887	28.0	28.4
1980 (Apr. 1) [4]	110,053	118,493	194,713	26,683	11.8	5,150	167,051	59,495	30.0	30.3
1982 (July 1) [5]	112,772	119,224	198,321	27,636	11.9	6,039	(NA)	(NA)	30.8	31.2
1983 (July 1) [5]	113,919	120,365	199,849	28,055	12.0	6,379	(NA)	(NA)	30.9	31.3
1984 (July 1) [5]	115,022	121,455	201,290	28,457	12.0	6,730	(NA)	(NA)	31.2	32.0
1985 (July 1) [5]	116,181	122,579	202,765	28,878	12.1	7,097	(NA)	(NA)	31.5	32.3
1986 (July 1) [5]	117,360	123,718	204,301	29,306	12.2	7,471	(NA)	(NA)	31.8	32.6

NA Not available. [1] Beginning 1950, current definition. For explanation of change, see text, section 1. [2] Exclu
and Hawaii. [3] The revised 1970 resident population count is 203,302,031; which incorporates changes due to errors
tabulations were completed. The race and sex data shown here reflect the official 1970 census count while the resi
come from the tabulated count; see text, section 1. [4] The race data shown for April 1, 1980 have been modifie
section 1 for explanation. [5] Estimated.

No. 18. Ratio of Males to Females, by Age Group, 1920 to 1986, and by Race, 1

[Represents number of males per 100 females. Total resident population]

AGE	1920 (Jan. 1)	1930 (Apr. 1)	1940 (Apr. 1)	1950 (Apr. 1)	1960 (Apr. 1)	1970 (Apr. 1)	1980 (Apr. 1)	1985 (July 1)	1986 (Ju	
									Total [1]	Whit
All ages	[2] 104.1	[2] 102.5	100.7	98.6	97.1	94.8	94.5	94.8	94.9	9
Under 14 years	102.1	102.8	103.0	103.7	103.4	103.9	104.8	104.8	104.9	10
14–24 years	97.3	98.4	98.9	98.2	98.7	98.7	101.9	102.2	102.3	10
25–44 years	105.1	101.8	98.5	96.4	95.7	95.5	97.4	96.5	96.7	10
45–64 years	115.2	109.1	105.2	100.1	95.7	91.6	90.7	91.5	91.6	9
65 years and over	101.3	100.5	95.5	89.8	82.8	72.1	67.6	67.9	68.1	6

[1] Includes other races, not shown separately. [2] Includes "age not reported."

Source of tables 17 and 18: U.S. Bureau of the Census, *U.S. Census of Population: 1930*, vol. II; *1940*, vol. II, pe
IV, part 1; *1950*, vol. II, part 1; *1960*, vol. I, part 1; *1970*, vol. I, part B; and *Current Population Reports*, series P-

No. 19. Hispanic Population, by Age and Sex: 1980 and 1986

[**In thousands, except percent. 1980, as of April; 1986, as of March.** Hispanic persons may be of any ra

ITEM	Total, all years	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55–59 years
1980, total	14,609	1,663	1,537	1,475	1,606	1,586	1,376	1,129	854	712	622	564	45
Male	7,280	848	783	747	827	819	697	558	418	345	300	270	21
Female	7,329	815	754	728	780	767	679	570	436	367	321	294	23
1986, total	18,091	1,987	1,815	1,712	1,636	1,932	1,682	1,594	1,278	932	803	651	51
Male	9,035	1,003	909	856	801	1,034	947	846	637	442	377	315	22
Female	9,057	984	912	818	836	897	935	748	641	488	428	334	29
PERCENT DISTRIBUTION													
1980, total	100.0	11.4	10.5	10.1	11.0	10.9	9.4	7.7	5.8	4.9	4.3	3.9	3
Male	100.0	11.6	10.8	10.3	11.4	11.3	9.6	7.7	5.7	4.7	4.1	3.7	3
Female	100.0	11.1	10.3	9.9	10.6	10.5	9.3	7.8	6.0	5.0	4.4	4.0	3
1986, total	100.0	10.9	10.0	9.5	9.0	10.7	10.4	8.8	7.1	5.2	4.4	3.6	2
Male	100.0	11.1	10.0	9.9	8.9	11.4	10.5	9.4	7.1	4.9	4.2	3.5	2
Female	100.0	10.8	10.1	9.0	9.2	9.9	10.3	8.3	7.1	5.4	4.7	3.7	3

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter B (PC80-1-B); *Current Pop*
series P-20, No. 416; and unpublished data.

Digitized by Google

No. 20. Resident Population, by Age, Sex, and Race: 1970 to 1986

[In thousands, except as indicated. 1970 and 1980 data based on enumerated population as of April 1; other years based on estimated population as of July 1. Excludes Armed Forces overseas. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A119–134]

YEAR, SEX, AND RACE	Total, all years	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55–59 years	60–64 years	65–74 years	75 years and over	5–13 years	14–17 years	18–24 years	16 years and over	65 years and over	Median age (yr.)
1970, total [1] [2]	**203,235**	**17,163**	**19,969**	**20,804**	**19,084**	**16,383**	**13,486**	**11,437**	**11,113**	**11,988**	**12,124**	**11,111**	**9,979**	**8,623**	**12,443**	**7,530**	**36,675**	**15,851**	**23,714**	**141,268**	**19,972**	**28.0**
Male	98,926	8,750	10,175	10,598	9,841	7,925	6,626	5,599	5,416	5,823	5,855	5,351	4,769	4,030	5,440	2,927	18,687	8,069	11,583	67,347	8,367	26.8
Female	104,309	8,413	9,794	10,206	9,443	8,458	6,859	5,838	5,697	6,166	6,269	5,759	5,210	4,593	7,002	4,603	17,987	7,782	12,131	73,920	11,605	29.3
White	178,098	14,464	16,941	17,724	16,412	14,327	11,850	10,000	9,749	10,433	10,866	10,019	9,021	7,818	11,300	6,972	31,171	13,579	20,855	125,520	18,272	28.9
Black	22,581	2,434	2,749	2,612	2,425	1,816	1,429	1,254	1,196	1,199	1,124	990	874	734	1,043	501	5,009	2,073	2,721	14,053	1,544	22.4
1980, total [1]	**226,546**	**16,348**	**16,700**	**18,242**	**21,168**	**21,319**	**19,521**	**17,561**	**13,985**	**11,869**	**11,090**	**11,710**	**11,615**	**10,088**	**15,581**	**9,999**	**31,159**	**16,247**	**30,022**	**171,196**	**25,549**	**30.0**
Male	110,053	8,362	8,539	9,316	10,755	10,663	9,705	8,877	6,862	5,708	5,388	5,621	5,482	4,670	6,757	3,548	15,923	8,296	15,054	81,766	10,305	28.8
Female	116,493	7,986	8,181	8,926	10,413	10,655	9,816	8,684	7,104	5,961	5,702	6,089	6,133	5,418	8,824	6,420	15,237	7,950	14,969	89,429	15,245	31.3
White [3]	194,713	13,414	13,717	15,095	17,681	18,072	16,658	15,157	12,122	10,110	9,693	10,360	10,394	9,078	14,045	9,117	25,691	13,492	25,381	149,121	23,162	30.9
Male [3]	94,924	6,882	7,034	7,730	9,008	9,102	8,363	7,565	6,014	4,991	4,755	5,016	4,928	4,221	6,095	3,221	13,165	6,906	12,803	71,559	9,316	29.8
Female [3]	99,786	6,532	6,683	7,365	8,673	8,970	8,295	7,592	6,108	5,119	4,938	5,344	5,466	4,858	7,950	5,896	12,526	6,586	12,579	77,562	13,846	32.2
Black [3]	26,683	2,459	2,509	2,691	3,007	2,749	2,342	1,904	1,469	1,260	1,150	1,135	1,041	874	1,344	748	4,629	2,380	3,948	16,425	2,092	24.9
Male [3]	12,812	1,240	1,265	1,353	1,500	1,313	1,095	879	667	571	519	507	469	386	567	281	2,330	1,198	1,903	8,454	849	23.8
Female [3]	14,071	1,220	1,245	1,338	1,506	1,436	1,247	1,025	801	689	632	628	573	488	777	467	2,298	1,181	2,045	9,971	1,243	26.2
1981, total	229,637	16,931	16,093	18,312	20,501	21,614	20,200	18,766	14,381	12,019	10,992	11,616	11,579	10,376	15,914	10,323	30,754	15,598	30,168	174,517	26,236	30.3
1982, total	231,996	17,298	16,020	18,172	19,887	21,587	20,753	18,808	15,599	12,450	11,027	11,455	11,510	10,603	16,197	10,630	30,614	15,040	30,012	178,822	26,827	30.6
1983, total	234,284	17,650	16,147	17,912	19,274	21,488	21,202	19,211	16,165	13,135	11,226	11,213	11,528	10,705	16,494	10,934	30,410	14,720	29,692	178,965	27,426	30.9
1984, total	236,477	17,830	16,464	17,511	18,785	21,327	21,535	19,696	16,932	13,614	11,463	11,032	11,444	10,872	16,739	11,234	30,238	14,704	29,145	180,992	27,973	31.2
1985, total	238,741	18,017	16,822	17,101	18,552	21,000	21,758	20,269	17,708	14,055	11,646	10,943	11,341	10,994	17,003	11,533	30,110	14,665	28,500	183,032	28,536	31.5
1986, total [1]	**241,078**	**18,128**	**17,291**	**16,564**	**18,610**	**20,417**	**22,010**	**20,774**	**18,723**	**14,346**	**11,927**	**10,887**	**11,268**	**10,962**	**17,325**	**11,847**	**30,346**	**14,797**	**27,739**	**185,249**	**29,173**	**31.8**
Male	117,360	9,274	8,851	8,487	9,483	10,232	11,026	10,367	9,256	7,030	5,817	5,260	5,359	5,097	7,845	4,178	15,541	7,579	13,933	88,777	11,823	30.6
Female	123,716	8,854	8,440	8,077	9,128	10,185	10,984	10,407	9,467	7,316	6,110	5,627	5,909	5,865	9,681	7,669	14,805	7,218	13,806	96,472	17,350	33.0
White	204,301	14,875	13,976	13,341	15,206	16,946	18,498	17,549	16,060	12,409	10,274	9,429	9,901	9,740	15,529	10,769	24,489	12,044	22,936	159,185	26,297	32.7
Male	99,808	7,527	7,172	6,849	7,758	8,533	9,347	8,846	8,029	6,143	5,061	4,603	4,742	4,549	6,874	3,775	12,569	6,177	11,565	76,857	10,648	31.5
Female	104,493	7,148	6,804	6,492	7,449	8,413	9,150	8,703	8,031	6,266	5,213	4,826	5,159	5,190	8,654	6,995	11,920	5,867	11,371	82,326	15,649	33.9
Black	29,306	2,721	2,673	2,591	2,785	2,813	2,795	2,491	2,036	1,463	1,282	1,157	1,108	998	1,491	904	4,713	2,245	3,904	20,731	2,395	26.9
Male	13,892	1,380	1,354	1,314	1,401	1,358	1,325	1,163	931	662	575	517	504	447	632	328	2,389	1,138	1,900	9,544	961	25.5
Female	15,414	1,341	1,319	1,277	1,383	1,455	1,470	1,328	1,105	801	707	639	604	550	858	576	2,324	1,106	2,004	11,187	1,434	28.2
Percent:																						
1970	100.0	8.4	9.8	10.2	9.4	8.1	6.6	5.6	5.5	5.9	6.0	5.5	4.9	4.2	6.1	3.7	18.0	7.8	11.7	69.5	9.8	(X)
1980	100.0	7.2	7.4	8.1	9.3	9.4	8.6	7.8	6.2	5.2	4.9	5.2	5.1	4.5	6.9	4.4	13.8	7.2	13.3	75.6	11.3	(X)
1986, total [1]	**100.0**	**7.5**	**7.2**	**6.9**	**7.7**	**8.5**	**9.1**	**8.6**	**7.8**	**6.0**	**4.9**	**4.5**	**4.7**	**4.5**	**7.2**	**4.9**	**12.6**	**6.1**	**11.5**	**76.8**	**12.1**	(X)
Male	100.0	7.9	7.5	7.2	8.1	8.7	9.4	8.8	7.9	6.0	5.0	4.5	4.6	4.3	6.5	3.6	13.2	6.5	11.9	75.6	10.1	(X)
Female	100.0	7.2	6.8	6.5	7.4	8.2	8.9	8.4	7.7	5.9	4.9	4.5	4.8	4.7	7.8	5.2	12.0	5.8	11.2	78.0	14.0	(X)
White	100.0	7.2	6.8	6.5	7.4	8.3	9.1	8.6	7.9	6.1	5.0	4.6	4.8	4.8	7.6	5.3	12.0	5.9	11.2	78.0	12.9	(X)
Black	100.0	9.3	9.1	8.8	9.5	9.6	9.5	8.5	6.9	5.0	4.4	3.9	3.8	3.4	5.1	3.1	16.1	7.7	13.3	70.7	8.2	(X)

X Not applicable. [1] Includes other races, not shown separately. [2] Official count. The revised 1970 resident population count is 203,302,031; the difference of 66,733 is due to errors found after release of the official series. [3] The race data shown for April 1, 1980 have been modified. See text, section 1 for explanation.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 870 and 1000.

Digitized by Google

NO. 21. RESIDENT POPULATION, 1950 TO 198

[1950–1980, as of Apr. 1; beginning 1981, as of July 1. Insofar as possible, population shown for all years is that of present area
See *Historical Statistics, Colonial Times to 1970*, series A 172, for population by

REGION, DIVISION, AND STATE OR OTHER AREA	POPULATION										
	1950 (1,000)	1960 (1,000)	1970 (1,000)	1980		1981 (1,000)	1982 (1,000)	1983 (1,000)	1984 (1,000)	1985 (1,000)	1986, prel (1,000)
				Total (1,000)	Percent urban						
U.S.	151,326	179,323	203,302	226,546	73.7	229,637	231,996	234,284	236,477	238,741	241,078
Region:											
Northeast	39,478	44,678	49,061	49,135	70.2	49,257	49,310	49,506	49,886	49,827	50,01
Midwest	44,461	51,619	56,589	58,866	70.5	59,005	58,956	58,935	59,099	59,204	59,31
South	47,197	54,973	62,812	75,372	66.9	77,058	78,488	79,727	80,779	81,885	82,98
West	20,190	28,053	34,838	43,172	83.9	44,317	45,242	46,116	46,913	47,824	48,76
N.E	9,314	10,509	11,848	12,348	75.1	12,417	12,432	12,489	12,571	12,857	12,73
ME	914	969	994	1,125	47.5	1,135	1,139	1,147	1,158	1,165	1,17
NH	533	607	738	921	52.2	937	948	959	978	999	1,02
VT	378	390	445	511	33.8	516	520	526	530	535	54
MA	4,691	5,149	5,689	5,737	83.8	5,753	5,744	5,762	5,792	5,819	5,83
RI	792	859	950	947	87.0	952	953	955	960	967	97
CT	2,007	2,535	3,032	3,108	78.8	3,123	3,127	3,140	3,153	3,171	3,18
M.A	30,164	34,168	37,213	36,787	80.6	36,841	36,878	37,016	37,115	37,170	37,26
NY	14,830	16,782	18,241	17,558	84.6	17,557	17,569	17,660	17,713	17,746	17,77
NJ	4,835	6,067	7,171	7,365	89.0	7,406	7,427	7,464	7,511	7,561	7,61
PA	10,498	11,319	11,801	11,864	69.3	11,878	11,882	11,894	11,890	11,863	11,8
E.N.C	30,399	36,225	40,262	41,682	73.3	41,711	41,806	41,914	41,986	41,849	41,7
OH	7,947	9,706	10,657	10,798	73.3	10,801	10,777	10,742	10,744	10,747	10,7
IN	3,934	4,662	5,195	5,490	64.2	5,490	5,485	5,476	5,493	5,500	5,5
IL	8,712	10,081	11,110	11,427	83.3	11,474	11,479	11,492	11,524	11,537	11,5
MI	6,372	7,823	8,882	9,262	70.7	9,211	9,119	9,056	9,062	9,088	9,1
WI	3,435	3,952	4,416	4,706	64.2	4,736	4,747	4,749	4,764	4,776	4,7
W.N.C	14,061	15,394	16,327	17,183	63.9	17,295	17,350	17,421	17,513	17,556	17,5
MN	2,982	3,414	3,806	4,076	66.9	4,112	4,133	4,146	4,164	4,192	4,2
IA	2,621	2,758	2,825	2,914	58.6	2,918	2,908	2,905	2,904	2,881	2,8
MO	3,955	4,320	4,678	4,917	68.1	4,939	4,943	4,965	5,005	5,035	5,0
ND	620	632	618	653	48.8	661	672	681	687	685	6
SD	653	681	666	691	46.4	692	695	699	705	708	7
NE	1,326	1,411	1,485	1,570	62.9	1,583	1,590	1,597	1,605	1,605	1,6
KS	1,905	2,179	2,249	2,364	66.7	2,389	2,410	2,428	2,442	2,449	2,4
S.A	21,182	25,972	30,678	36,959	67.1	37,797	38,316	38,876	39,531	40,212	40,
DE	318	446	548	594	70.6	597	600	606	614	622	
MD	2,343	3,101	3,924	4,217	80.3	4,256	4,272	4,299	4,349	4,393	4,
DC	802	764	757	638	100.0	633	627	624	624	623	
VA	3,319	3,967	4,651	5,347	66.0	5,443	5,490	5,559	5,636	5,702	5,
WV	2,006	1,860	1,744	1,950	36.2	1,961	1,962	1,964	1,952	1,937	1
NC	4,062	4,556	5,084	5,882	48.0	5,958	6,019	6,081	6,170	6,262	6
SC	2,117	2,383	2,591	3,122	54.1	3,186	3,220	3,253	3,296	3,335	3
GA	3,445	3,943	4,588	5,463	62.4	5,570	5,654	5,736	5,844	5,975	6
FL	2,771	4,952	6,791	9,746	84.3	10,193	10,472	10,753	11,046	11,364	11
E.S.C	11,477	12,050	12,808	14,666	55.7	14,787	14,873	14,953	15,044	15,133	15
KY	2,945	3,038	3,221	3,661	50.9	3,675	3,695	3,715	3,724	3,729	3
TN	3,292	3,567	3,926	4,591	60.4	4,639	4,666	4,691	4,729	4,767	4
AL	3,062	3,267	3,444	3,894	60.0	3,928	3,944	3,964	3,992	4,022	4
MS	2,179	2,178	2,217	2,521	47.3	2,545	2,567	2,583	2,599	2,614	2
W.S.C	14,538	16,951	19,326	23,747	73.4	24,475	25,299	25,897	26,204	26,540	26
AR	1,910	1,786	1,923	2,286	51.6	2,300	2,308	2,326	2,347	2,360	1
LA	2,684	3,257	3,645	4,206	68.6	4,300	4,383	4,442	4,462	4,486	
OK	2,233	2,328	2,559	3,025	67.3	3,108	3,233	3,312	3,312	3,306	
TX	7,711	9,580	11,199	14,229	79.6	14,766	15,376	15,818	16,083	16,389	1
Mt	5,075	6,855	8,289	11,373	76.4	11,750	12,068	12,341	12,566	12,799	1
MT	591	675	694	787	52.9	796	805	816	824	825	
ID	589	667	713	944	54.0	964	978	988	1,000	1,004	
WY	291	330	332	470	62.7	494	510	516	513	510	
CO	1,325	1,754	2,210	2,890	80.6	2,984	3,072	3,148	3,190	3,234	
NM	681	951	1,017	1,303	72.1	1,335	1,369	1,402	1,427	1,451	
AZ	750	1,302	1,775	2,718	83.6	2,816	2,896	2,977	3,073	3,193	
UT	689	891	1,059	1,461	84.4	1,516	1,559	1,596	1,624	1,645	
NV	160	285	489	800	85.3	846	878	897	917	937	
Pac	15,115	21,198	26,549	31,800	86.8	32,566	33,174	33,774	34,348	35,026	
WA	2,379	2,853	3,413	4,132	73.5	4,237	4,279	4,304	4,350	4,408	
OR	1,521	1,769	2,092	2,633	67.9	2,669	2,669	2,660	2,676	2,686	
CA	10,586	15,717	19,971	23,668	91.3	24,265	24,783	25,308	25,780	26,358	
AK	129	226	303	402	64.3	415	446	483	505	522	
HI	500	633	770	965	86.5	980	998	1,019	1,036	1,051	
PR	2,211	2,350	2,712	3,197	66.8	3,245	3,262	3,265	3,269	3,282	

X Not applicable. Z Less than .05 percent. [1] For U.S., population of U.S. has been divided by total lan
State and Puerto Rico, population at given census has been divided by land area as then constituted.

Digitized by Google

PERCENT URBAN, 1980—STATES AND PUERTO RICO

for area figures of States, see table 318. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease. and A 195–198 and A 202–203 for population, density, and residence by States]

RANK				PERCENT CHANGE				POPULATION PER SQ. MILE OF LAND AREA[1]					REGION, DIVISION, AND STATE OR OTHER AREA
1980	1970	1960	1950	1950–1960	1960–1970	1970–1980	1980–1986	1950	1960	1970	1980	1986	
(x)	(x)	(x)	(x)	18.5	13.4	11.4	6.4	42.6	50.6	[2]57.4	64.0	68.1	U.S.
													Region:
(x)	(x)	(x)	(x)	13.2	9.8	.2	1.8	241.2	273.4	300.4	301.9	307.3	Northeast.
(x)	(x)	(x)	(x)	16.1	9.6	4.0	.8	58.8	66.6	75.2	76.3	78.9	Midwest.
(x)	(x)	(x)	(x)	16.5	14.3	20.0	10.1	53.7	62.6	71.9	86.3	95.1	South.
(x)	(x)	(x)	(x)	38.9	24.2	23.9	12.9	11.5	16.0	19.9	24.6	27.8	West.
(x)	(x)	(x)	(x)	12.8	12.7	4.2	3.1	147.5	166.8	188.1	196.0	202.1	N.E.
36	38	38	38	6.1	2.6	13.2	4.3	29.4	31.3	32.1	36.3	37.9	ME
45	41	42	40	13.8	21.6	24.8	11.5	59.1	67.2	81.7	102.4	114.2	NH
47	46	46	46	3.2	14.1	15.0	5.8	40.7	42.0	47.9	55.2	58.3	VT
9	10	11	12	9.8	10.5	.6	1.7	596.2	657.3	727.0	733.3	745.4	MA
39	39	40	42	8.5	10.6	–.3	2.9	748.5	819.3	902.5	897.8	924.1	RI
25	24	25	26	26.3	19.6	2.5	2.6	409.7	520.6	623.6	637.8	654.5	CT
(x)	(x)	(x)	(x)	13.3	8.9	– 1.1	1.3	300.1	340.2	378.8	368.9	373.8	M.A.
1	2	2	2	19.2	8.7	–3.7	1.2	309.3	350.6	381.3	370.6	375.1	NY
8	8	9	9	25.5	18.2	2.7	3.5	642.8	805.5	953.1	986.2	1,020.3	NJ
3	3	4	4	7.8	4.3	.5	.2	239.1	251.4	262.3	264.3	264.8	PA
(x)	(x)	(x)	(x)	19.2	11.1	3.5	.1	124.1	148.2	164.9	170.8	171.1	E.N.C.
5	6	6	7	22.1	9.8	1.3	–.4	193.8	236.6	260.0	263.3	262.2	OH
11	11	12	14	18.5	11.4	5.7	.2	106.7	126.8	143.9	152.6	153.2	IN
4	5	5	6	15.7	10.2	2.8	1.1	155.8	180.4	199.4	205.3	207.6	IL
7	7	8	9	22.8	13.5	4.3	–1.3	111.7	137.7	156.2	162.6	160.6	MI
15	16	16	17	15.1	11.9	6.5	1.7	62.8	72.6	81.1	86.5	87.9	WI
(x)	(x)	(x)	(x)	9.5	6.1	5.2	2.3	27.5	30.3	32.1	33.8	34.6	W.N.C.
18	19	21	21	14.5	11.5	7.1	3.4	37.3	43.1	48.0	51.2	53.0	MN
24	25	27	29	5.2	2.4	3.1	–2.2	46.8	49.2	50.5	52.1	50.9	IA
13	13	15	15	9.2	8.3	5.1	3.0	57.1	62.6	67.8	71.3	73.5	MO
44	45	46	46	2.1	–2.2	5.7	4.1	8.8	9.1	8.9	9.4	9.8	ND
40	44	45	45	4.3	–2.2	3.7	2.5	8.5	9.0	8.8	9.1	9.3	SD
34	35	35	36	6.5	5.2	5.7	1.8	17.3	18.4	19.4	20.5	20.8	NE
28	26	32	32	14.3	3.2	5.1	4.1	23.2	26.8	27.5	28.9	30.1	KS
(x)	(x)	(x)	(x)	22.6	18.1	20.5	10.7	79.0	97.1	114.9	138.4	153.3	S.A.
46	48	47	47	40.3	22.9	8.4	6.5	160.8	225.2	276.5	307.6	327.5	DE
21	18	18	19	32.3	26.5	7.5	5.8	237.1	313.5	396.6	428.7	453.7	MD
(x)	(x)	(x)	(x)	–4.8	–.9	– 15.6	– 1.9	13,151	12,524	12,402	10,132	9,936	DC
14	14	14	13	19.5	17.2	14.9	9.2	59.2	99.6	116.9	134.7	145.8	VA
30	34	34	34	–7.2	–6.2	11.8	– 1.6	83.3	77.2	72.5	80.8	79.5	WV
12	12	10	10	12.2	11.6	15.7	7.7	82.7	93.2	104.1	120.4	129.7	NC
26	26	24	24	12.5	8.7	20.5	8.2	69.9	78.7	85.7	103.4	111.8	SC
16	15	13	11	14.5	16.4	19.1	11.7	58.9	67.8	79.0	94.1	105.1	GA
10	9	7	5	78.7	37.1	43.5	19.8	51.1	91.5	125.5	180.0	215.8	FL
(x)	(x)	(x)	(x)	5.0	6.3	14.5	3.7	63.8	67.2	71.5	82.0	85.0	E.S.C.
22	23	23	23	3.2	6.0	13.7	1.9	73.9	76.2	81.2	92.3	94.0	KY
17	17	17	16	8.4	10.1	16.9	4.8	78.8	86.2	94.9	111.6	116.7	TN
19	21	22	22	6.7	5.4	13.1	4.1	59.9	64.2	67.9	76.7	79.8	AL
29	29	31	31	(–z)	1.8	13.7	4.1	46.1	46.0	46.9	53.4	55.6	MS
(x)	(x)	(x)	(x)	16.6	14.0	22.9	13.1	33.8	39.5	45.2	55.6	62.9	W.S.C.
31	32	33	33	–6.5	7.7	18.9	3.8	36.3	34.2	37.0	43.9	45.6	AR
20	20	19	18	21.4	11.9	15.4	7.0	59.4	72.2	81.0	94.5	101.1	LA
27	27	26	26	4.3	9.9	18.2	9.2	32.4	33.8	37.2	44.1	48.1	OK
6	4	3	3	24.2	16.9	27.1	17.3	29.3	36.4	42.7	54.3	63.7	TX
(x)	(x)	(x)	(x)	35.1	20.9	37.2	14.5	5.9	8.0	9.7	13.3	15.2	Mt.
41	43	44	44	14.2	2.8	13.3	4.1	4.1	4.6	4.9	5.4	5.6	MT
42	42	41	41	13.3	6.9	32.4	6.2	7.1	8.1	8.6	11.5	12.2	ID
48	49	50	50	13.6	.6	41.3	8.0	3.0	3.4	3.4	4.8	5.2	WY
33	30	28	27	32.4	26.0	30.8	13.1	12.8	16.9	21.3	27.9	31.5	CO
37	37	37	37	39.6	6.9	26.1	13.5	5.6	7.8	8.4	10.7	12.2	NM
35	33	29	25	73.7	36.3	53.1	22.1	6.8	11.5	15.6	23.9	29.2	AZ
38	36	36	35	29.3	18.9	37.9	14.0	8.4	10.8	12.9	17.8	20.3	UT
49	47	43	43	78.2	71.6	63.8	20.3	1.5	2.6	4.4	7.3	8.6	NV
(x)	(x)	(x)	(x)	40.2	25.2	19.8	12.4	16.8	23.8	[2]29.7	35.5	39.9	Pac.
23	22	20	20	19.9	19.6	21.1	8.0	35.8	42.8	51.2	62.1	67.1	WA
32	31	30	30	16.3	18.3	25.9	2.5	15.8	18.4	21.7	27.4	29.0	OR
2	1	1	1	46.5	27.1	18.5	14.0	67.5	100.4	127.6	151.4	172.6	CA
50	50	50	49	75.8	34.1	32.8	32.8	.2	.4	[3]5	.7	.9	AK
43	40	39	39	26.2	21.6	25.3	10.1	78.0	98.5	119.6	150.1	165.3	HI
(x)	(x)	(x)	(x)	6.3	15.4	17.9	2.4	645.8	686.4	792.8	924.1	946.5	PR

[2] Land area for Alaska corrected after 1970 final reports were issued.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I; and *1980 Census of Population*, vol. 1, chapter A (PC80–1–A) and chapter B (PC80–1–B); and *Current Population Reports*, series P–25, No. 1010.

Digitized by Google

No. 22. Population, by Size-Class of States: 1970 to 1986

[As of **April 1**, except **1986**, as of **July 1**. Includes District of Columbia. Gross area comprises land and wat

Population size-class	1970			1980				19	
		Population			Population	Gross area			
	Number of States	Total (1,000)	Percent of total	Number of States	Total (1,000)	Percent of total	Total (1,000 sq. mi.)	Percent of total	Number of States	Tot (1,0
Total	**51**	**203,302**	**100.0**	**51**	**226,546**	**100.0**	**3,619**	**100.0**	**51**	**241,**
Over 10 million	6	82,980	40.8	6	89,543	39.5	618	17.1	7	107,
5 million–10 million	6	38,613	19.1	6	54,292	24.0	322	8.9	8	51,
3 million–5 million	12	46,746	23.0	12	47,654	21.0	577	15.9	13	51,
2 million–3 million	7	16,743	8.2	7	16,326	6.1	555	15.3	5	13,
1 million–2 million	6	9,005	4.4	5	7,408	3.3	341	9.4	6	10,
Under 1 million	14	9,016	4.4	13	9,323	4.1	1,206	33.3	10	6,

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter A (PC80-1-A); and *Current Popul* series P-25, No. 1010.

No. 23. U.S. Resident Population, by Region and Division, 1960 to 1986, and Proj 1990 to 2000

[As of **April 1**, except beginning **1986**, as of **July 1**. For composition of divisions, see fig. I, inside front co

Region and division	Population (millions)						Percent distributio					
	1960	1970	1980	1986	1990	1995	2000	1960	1970	1980	1986	1990
United States	**179.3**	**203.3**	**226.5**	**241.1**	**249.9**	**259.6**	**267.7**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Northeast	44.7	49.1	49.1	50.0	50.6	51.3	51.8	24.9	24.1	21.7	20.7	20.2
New England	10.5	11.8	12.3	12.7	13.1	13.5	13.6	5.9	5.8	5.5	5.3	5.2
Middle Atlantic	34.2	37.2	36.8	37.3	37.5	37.8	38.0	19.1	18.3	16.2	15.5	15.0
Midwest	51.6	56.6	58.9	59.3	59.6	59.9	59.6	28.6	27.6	26.0	24.6	23.9
East North Central	36.2	40.3	41.7	41.7	42.1	42.0	41.7	20.2	19.6	18.4	17.3	16.8
West North Central	15.4	16.3	17.2	17.6	17.7	17.8	17.9	6.6	6.0	7.6	7.3	7.1
South	55.0	62.8	75.4	83.0	87.3	92.4	96.9	30.7	30.9	33.3	34.4	34.9
South Atlantic	26.0	30.7	37.0	40.9	43.7	47.1	50.0	14.5	15.1	16.3	17.0	17.5
East South Central	12.1	12.8	14.7	15.2	15.6	16.0	16.3	6.7	6.3	6.5	6.3	6.2
West South Central	17.0	19.3	23.7	26.9	27.9	29.3	30.6	9.5	9.5	10.5	11.1	11.2
West	28.1	34.8	43.2	48.6	52.3	56.1	59.4	15.6	17.1	19.1	20.2	20.9
Mountain	6.9	8.3	11.4	13.0	14.0	15.1	16.0	3.8	4.1	5.0	5.4	5.6
Pacific	21.2	26.5	31.8	35.7	38.3	41.0	43.4	11.8	13.1	14.0	14.8	15.3

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I; *1980 Census of Population*, vol. 1, chap A); *Current Population Reports*, series P-25, No. 1010 and forthcoming report.

No. 24. Mobility Status of the Population, by Selected Characteristics: 198

[As of **March**. For persons 1 year old and over. Excludes members of the Armed Forces except those living off p families on post. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of re inside front cover]

Age and region	Total (1,000)	Percent distribution				
		Non-movers (same house)	Movers (different house in U.S.			
			Total	Different county		
				Same county	Total	Same State
Total	**232,996**	**81.4**	**18.0**	**11.3**	**6.7**	**3.7**
1–4 years old	14,370	72.4	26.9	17.6	9.1	4.6
5–9 years old	17,113	79.3	20.2	13.6	6.7	3.6
10–14 years old	16,687	84.0	15.8	10.5	5.0	2.7
15–19 years old	18,274	82.6	16.5	10.1	6.5	3.3
20–24 years old	19,948	63.6	35.2	22.2	13.1	7.5
25–29 years old	21,619	66.3	32.8	20.4	12.5	7.0
30–34 years old	20,434	76.9	22.5	14.4	8.1	4.2
35–44 years old	32,508	83.6	15.7	9.7	6.0	3.3
45–54 years old	22,662	89.7	10.1	6.1	4.0	2.3
55–64 years old	22,061	92.4	7.4	3.9	3.5	2.3
65–74 years old	16,881	95.4	4.5	2.5	2.0	1.0
75 years old and over	10,442	94.5	5.4	3.2	2.3	1.2
Northeast	48,747	87.2	12.4	7.7	4.7	2.7
Midwest	57,808	82.7	17.1	10.9	6.1	3.5
South	79,453	80.0	19.6	12.0	7.6	4.1
West	46,990	76.4	22.5	14.5	8.0	4.4

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, forthcoming report.

Digitized by Google

NO. 25. COMPONENTS OF POPULATION CHANGE—STATES: 1970–1980 AND 1980–1986

[In thousands, except percent. Total resident population. For explanation of methodology, see source. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease or net outmigration. See also *Historical Statistics, Colonial Times to 1970*, series C 25–75]

REGION, DIVISION, AND STATE	APRIL 1, 1970 TO APRIL 1, 1980						APRIL 1, 1980 TO JULY 1, 1986				
	Net change		Births	Deaths	Net total migration [2]	Error of closure [3]	Net change		Births	Deaths	Net total migration [2]
	Number	Percent [1]					Number	Percent [1]			
United States	**23,244**	**11.4**	**33,244**	**19,279**	**4,516**	**4,763**	**14,532**	**6.4**	**22,922**	**12,633**	**4,244**
Region:											
Northeast	75	.2	6,661	4,750	–2,688	1,052	881	1.8	4,232	2,965	–386
Midwest	2,275	4.0	9,032	5,308	–2,703	1,255	448	.8	5,735	3,270	–2,017
South	12,559	20.0	11,221	6,210	5,992	1,557	7,616	10.1	7,888	4,274	4,002
West	8,334	23.9	6,330	3,010	4,115	899	5,587	12.9	5,066	2,123	2,645
New England	**501**	**4.2**	**1,607**	**1,128**	**–241**	**265**	**388**	**3.1**	**1,060**	**715**	**43**
Maine	131	13.2	161	106	52	24	49	4.3	104	68	13
New Hampshire	183	24.8	122	74	117	19	106	11.5	89	50	67
Vermont	67	15.0	72	43	27	11	29	5.8	50	28	8
Massachusetts	48	.8	737	550	–263	124	95	1.7	480	340	–45
Rhode Island	–3	–.3	123	92	–53	20	28	2.9	79	58	7
Connecticut	75	2.5	391	262	–121	67	81	2.6	259	171	–6
Middle Atlantic	**–426**	**–1.1**	**5,055**	**3,622**	**–2,647**	**787**	**493**	**1.3**	**3,172**	**2,250**	**–429**
New York	–683	–3.7	2,481	1,722	–1,820	378	214	1.2	1,554	1,059	–281
New Jersey	194	2.7	981	670	–275	157	255	3.5	624	431	62
Pennsylvania	63	.5	1,593	1,230	–551	252	24	.2	995	760	–210
East North Central	**1,419**	**3.5**	**6,454**	**3,702**	**–2,220**	**887**	**55**	**.1**	**3,994**	**2,276**	**–1,663**
Ohio	140	1.3	1,676	987	–779	230	–45	–.4	1,015	609	–452
Indiana	295	5.7	865	480	–206	116	13	.2	516	297	–206
Illinois	316	2.8	1,790	1,066	–649	241	126	1.1	1,139	637	–377
Michigan	380	4.3	1,441	763	–496	198	–117	–1.3	863	477	–503
Wisconsin	288	6.5	682	406	–90	102	79	1.7	460	256	–125
West North Central	**856**	**5.2**	**2,579**	**1,607**	**–484**	**368**	**393**	**2.3**	**1,741**	**994**	**–354**
Minnesota	270	7.1	595	332	–80	88	138	3.4	421	211	–72
Iowa	88	3.1	432	284	–122	62	–63	–2.2	274	171	–166
Missouri	239	5.1	726	502	–92	104	149	3.0	476	308	–18
North Dakota	35	5.7	107	56	–31	14	26	4.1	76	35	–15
South Dakota	25	3.7	117	66	–41	15	17	2.5	79	41	–20
Nebraska	84	5.7	246	148	–47	34	28	1.8	165	92	–45
Kansas	115	5.1	354	220	–71	51	97	4.1	252	137	–18
South Atlantic	**6,280**	**20.5**	**5,149**	**3,071**	**3,440**	**762**	**3,956**	**10.7**	**3,554**	**2,158**	**2,561**
Delaware	46	8.4	88	49	–6	12	38	6.5	56	30	13
Maryland	293	7.5	568	329	–36	90	246	5.8	401	219	65
District of Columbia	–118	–15.8	109	77	–164	14	–12	–1.9	59	42	–29
Virginia	695	14.9	748	404	239	112	440	8.2	511	273	202
West Virginia	205	11.8	290	197	71	40	–31	–1.6	164	120	–74
North Carolina	797	15.7	863	466	278	121	451	7.7	536	316	230
South Carolina	531	20.5	496	240	210	63	255	8.2	321	163	96
Georgia	875	19.1	862	427	329	111	641	11.7	574	267	354
Florida	2,955	43.5	1,121	863	2,519	198	1,928	19.8	931	707	1,704
East South Central	**1,858**	**14.5**	**2,301**	**1,302**	**556**	**303**	**542**	**3.7**	**1,419**	**848**	**–29**
Kentucky	440	13.7	568	334	131	75	68	1.9	345	212	–66
Tennessee	665	16.9	664	391	297	95	212	4.8	418	261	56
Alabama	450	13.1	615	344	97	61	159	4.1	377	226	6
Mississippi	304	13.7	454	233	31	52	104	4.1	281	149	–27
West South Central	**4,421**	**22.9**	**3,772**	**1,838**	**1,995**	**492**	**3,117**	**13.1**	**2,916**	**1,268**	**1,469**
Arkansas	363	18.9	349	217	184	47	86	3.8	221	145	10
Louisiana	561	14.1	717	344	100	88	295	7.0	514	227	8
Oklahoma	466	18.2	445	272	230	63	280	9.2	342	182	120
Texas	3,031	27.1	2,261	1,005	1,481	294	2,456	17.3	1,839	714	1,331
Mountain	**3,083**	**37.2**	**1,837**	**718**	**1,730**	**236**	**1,650**	**14.5**	**1,451**	**525**	**724**
Montana	92	13.3	126	67	16	17	32	4.1	88	42	–14
Idaho	231	32.4	160	65	110	20	58	6.2	117	44	–15
Wyoming	137	41.3	73	31	95	10	38	8.0	64	20	–6
Colorado	680	30.8	415	181	385	61	377	13.1	336	124	165
New Mexico	286	28.1	224	81	116	27	176	13.5	170	58	64
Arizona	943	53.1	405	173	656	55	601	22.1	338	143	405
Utah	402	37.9	329	75	119	30	204	14.0	248	54	10
Nevada	312	83.8	99	46	243	16	163	20.3	90	40	113
Pacific	**5,251**	**19.8**	**4,493**	**2,292**	**2,385**	**664**	**3,938**	**12.4**	**3,615**	**1,598**	**1,921**
Washington	719	21.1	548	303	388	86	330	8.0	433	207	105
Oregon	542	25.9	351	205	341	55	85	2.5	255	141	–49
California	3,697	18.5	3,354	1,725	1,573	495	3,313	14.0	2,739	1,204	1,778
Alaska	99	32.8	78	15	28	9	132	32.8	73	12	71
Hawaii	195	25.3	163	43	55	20	98	10.1	116	33	16

[1] 1970 to 1980 based on 1970 population; 1980 to 1986 based on 1980 population.
[2] Comprises net immigration from abroad, net interregional, interdivisional, or interstate migration, and movement of persons in the Armed Forces. [3] For meaning of "error of closure"; see text, section 1.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–25, No. 957 and unpublished data.

Digitized by Google

NO. 26. RESIDENT POPULATION, BY AGE AND STATE: 1986

[In thousands, except percent. As of July 1. Includes Armed Forces stationed in area. See text, section 1 for basis of For explanation of methodology, contact source. For composition of regions, see fig. I, inside front cover. Se *Statistics, Colonial Times to 1970*, series A 204–209 for decennial census data]

REGION, DIVISION, AND STATE	Total	Under 5 years	5–17 years	18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	75 years and over	16 years and over	Ur ye
U.S	**241,078**	**18,128**	**45,143**	**27,739**	**42,784**	**33,068**	**22,814**	**22,229**	**17,325**	**11,847**	**185,249**	
Region:												
Northeast	50,017	3,353	8,731	5,737	8,423	6,915	4,969	5,191	3,962	2,736	39,480	
Midwest	59,313	4,394	11,363	6,822	10,427	7,859	5,568	5,487	4,282	3,112	45,421	
South	82,998	6,318	15,930	9,702	14,579	11,245	7,847	7,471	5,931	3,964	63,337	
West	48,760	4,063	9,119	5,478	9,355	7,049	4,431	4,080	3,150	2,035	37,012	
N. Eng	**12,737**	**848**	**2,180**	**1,512**	**2,247**	**1,795**	**1,208**	**1,250**	**987**	**710**	**10,103**	
ME	1,173	82	220	138	196	162	109	109	89	67	906	
NH	1,027	73	187	122	187	154	95	89	69	50	799	
VT	540	40	100	67	100	78	48	44	36	28	418	
MA	5,832	381	960	705	1,065	809	545	574	458	335	4,668	
RI	975	63	164	116	171	129	88	102	83	59	777	
CT	3,189	209	549	363	528	463	323	331	252	171	2,532	
Mid. Atl	**37,280**	**2,505**	**6,551**	**4,226**	**6,176**	**5,120**	**3,760**	**3,842**	**2,974**	**2,026**	**29,377**	
NY	17,772	1,230	3,145	2,034	2,961	2,472	1,814	1,833	1,329	954	13,946	
NJ	7,619	499	1,332	863	1,233	1,098	796	819	597	384	6,030	
PA	11,888	776	2,074	1,328	1,983	1,550	1,150	1,290	1,049	688	9,400	
E. No. Cent	**41,737**	**3,061**	**8,089**	**4,823**	**7,333**	**5,574**	**3,949**	**3,902**	**2,978**	**2,048**	**31,942**	
OH	10,752	779	2,075	1,215	1,850	1,424	1,040	1,050	791	529	8,243	
IN	5,504	393	1,064	646	965	732	523	505	386	271	4,203	
IL	11,552	871	2,187	1,317	2,050	1,555	1,104	1,081	818	568	8,849	
MI	9,145	661	1,809	1,083	1,625	1,237	849	841	629	410	6,982	
WI	4,785	357	914	563	842	625	434	427	354	270	3,665	
W. No. Cent	**17,578**	**1,334**	**3,294**	**1,998**	**3,094**	**2,286**	**1,618**	**1,584**	**1,304**	**1,064**	**13,479**	
MN	4,214	324	786	487	772	576	385	358	290	236	3,234	
IA	2,851	204	543	322	493	358	258	258	226	189	2,191	
MO	5,066	370	939	570	860	662	490	481	389	305	3,910	
ND	679	58	132	80	126	83	57	56	49	39	510	
SD	708	60	138	91	120	84	62	64	54	45	531	
NE	1,598	125	302	182	281	204	143	143	116	101	1,217	
KS	2,460	193	453	276	441	319	223	225	180	150	1,885	
So Atl	**40,916**	**2,880**	**7,373**	**4,761**	**7,071**	**5,644**	**3,986**	**3,946**	**3,193**	**2,062**	**31,909**	
DE	633	45	115	78	114	84	62	63	45	27	492	
MD	4,463	323	788	539	796	671	454	419	292	181	3,493	
DC	626	46	91	71	132	90	59	60	46	31	504	
VA	5,787	408	1,030	717	1,064	867	579	516	373	233	4,527	
WV	1,822	122	382	214	321	255	179	184	155	106	1,477	
NC	6,333	432	1,192	767	1,126	873	625	567	450	281	4,913	
SC	3,377	255	662	425	605	456	312	287	226	129	2,550	
GA	6,104	468	1,245	744	1,082	871	585	501	372	236	4,594	
FL	11,675	782	1,848	1,207	1,831	1,475	1,131	1,329	1,233	838	9,359	
E. So. Cent	**15,209**	**1,104**	**3,071**	**1,804**	**2,593**	**2,002**	**1,444**	**1,343**	**1,093**	**757**	**11,532**	
KY	3,729	264	745	448	647	497	351	329	263	185	2,840	
TN	4,803	327	923	553	833	665	476	437	349	240	3,705	
AL	4,052	295	820	478	690	527	385	361	297	200	3,071	
MS	2,625	218	583	324	423	314	233	216	183	131	1,916	
W. So. Cent	**26,864**	**2,335**	**5,486**	**3,138**	**4,916**	**3,599**	**2,416**	**2,182**	**1,646**	**1,146**	**19,897**	
AR	2,372	173	472	271	369	304	224	216	200	143	1,803	
LA	4,501	400	947	552	821	576	392	359	276	178	3,302	
OK	3,305	267	632	378	580	442	309	286	233	178	2,506	
TX	16,685	1,495	3,435	1,937	3,146	2,277	1,492	1,320	937	646	12,287	
Mt	**13,023**	**1,147**	**2,628**	**1,486**	**2,461**	**1,807**	**1,134**	**1,025**	**823**	**511**	**9,645**	
MT	819	68	163	89	145	113	74	68	60	40	613	
ID	1,002	88	223	110	171	141	85	72	67	45	724	
WY	507	47	107	56	111	73	40	31	25	17	368	
CO	3,267	267	599	375	679	510	295	248	175	119	2,499	
NM	1,479	135	309	176	258	202	134	122	89	55	1,084	
AZ	3,319	282	629	378	591	438	292	301	258	152	2,507	
UT	1,665	186	431	198	306	190	117	99	81	53	1,100	
NV	963	73	167	104	198	140	97	85	69	31	750	
Pac	**35,737**	**2,916**	**6,491**	**3,991**	**6,894**	**5,242**	**3,297**	**3,055**	**2,327**	**1,524**	**27,367**	
WA	4,462	339	817	489	861	683	396	356	314	206	3,442	
OR	2,696	192	494	280	512	407	234	217	215	147	2,093	
CA	26,981	2,235	4,874	3,026	5,215	3,907	2,523	2,352	1,719	1,129	20,647	
AK	534	60	111	66	109	90	48	31	13	5	378	
HI	1,062	90	196	129	196	155	94	99	66	37	807	

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–25, forthcoming report.

Digitized by Google

NO. 27. STATE POPULATION PROJECTIONS: 1987 TO 2010

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease]

REGION, DIVISION, AND STATE	TOTAL (1,000)							RANK			PERCENT CHANGE	
	1987	1988	1989	1990	1995	2000	2010	1990	1995	2000	1990–1990	1990–2000
U.S	243,308	245,529	247,732	249,891	259,619	267,747	282,055	(x)	(x)	(x)	10.3	7.1
Region:												
Northeast	50,140	50,278	50,425	50,577	51,293	51,810	52,496	(x)	(x)	(x)	2.9	2.4
Midwest	59,450	59,574	59,685	59,777	59,867	59,596	59,016	(x)	(x)	(x)	1.5	–.3
South	84,060	85,133	86,209	87,276	92,366	96,919	104,919	(x)	(x)	(x)	15.8	11.0
West	49,658	50,544	51,413	52,261	56,093	59,422	65,622	(x)	(x)	(x)	21.1	13.7
N.E	12,820	12,906	12,992	13,078	13,466	13,775	14,243	(x)	(x)	(x)	5.9	5.3
ME	1,184	1,193	1,203	1,212	1,247	1,271	1,308	38	39	41	7.8	4.9
NH	1,058	1,088	1,118	1,142	1,251	1,333	1,455	39	38	39	24.1	16.7
VT	547	552	557	562	579	591	608	49	49	49	9.9	5.1
MA	5,836	5,849	5,863	5,880	5,965	6,049	6,255	13	13	13	2.5	3.5
RI	982	989	996	1,002	1,029	1,049	1,085	43	43	42	5.8	4.8
CT	3,212	3,235	3,257	3,279	3,376	3,445	3,532	28	27	27	5.5	5.1
M.A	37,320	37,372	37,433	37,499	37,827	38,035	38,253	(x)	(x)	(x)	1.9	1.4
NY	17,759	17,755	17,761	17,773	17,886	17,986	18,139	2	3	3	1.2	1.2
NJ	7,687	7,756	7,827	7,899	8,252	8,546	8,980	9	9	9	7.3	8.2
PA	11,874	11,860	11,844	11,827	11,689	11,503	11,134	5	5	8	–.3	–2.7
E.N.C	41,836	41,923	41,997	42,055	42,041	41,746	41,111	(x)	(x)	(x)	.9	–.7
OH	10,767	10,779	10,787	10,791	10,742	10,629	10,397	7	7	7	–.1	–1.5
IN	5,518	5,531	5,542	5,550	5,545	5,502	5,409	14	14	14	1.1	–.9
IL	11,569	11,584	11,599	11,612	11,625	11,580	11,495	6	6	5	1.6	–.3
MI	9,191	9,231	9,266	9,293	9,318	9,250	9,097	8	8	8	.3	–.5
WI	4,791	4,797	4,803	4,808	4,811	4,784	4,713	17	19	19	2.2	–.5
W.N.C	17,614	17,652	17,686	17,722	17,825	17,850	17,907	(x)	(x)	(x)	3.1	.7
MN	4,243	4,271	4,298	4,324	4,426	4,490	4,578	21	21	22	8.1	3.8
IA	2,826	2,803	2,780	2,758	2,652	2,549	2,382	30	31	31	–5.3	–7.6
MO	5,100	5,132	5,163	5,192	5,304	5,383	5,521	15	15	15	5.8	3.7
ND	674	669	664	660	643	629	611	47	47	48	1.1	–4.7
SD	707	707	708	708	711	714	722	45	45	46	2.5	.8
NE	1,595	1,593	1,590	1,588	1,574	1,556	1,529	37	37	37	1.2	–2.0
KS	2,469	2,477	2,485	2,492	2,515	2,529	2,564	32	32	33	5.4	1.5
S.A	41,828	42,337	43,044	43,742	47,058	50,002	55,110	(x)	(x)	(x)	16.4	14.3
DE	641	649	658	666	702	734	790	46	46	45	12.0	10.2
MD	4,532	4,599	4,665	4,729	5,025	5,274	5,688	18	17	16	12.1	11.5
DC	621	617	615	614	620	634	672	(x)	(x)	(x)	–3.8	3.2
VA	5,883	5,977	6,068	6,157	6,551	6,877	7,410	12	12	12	15.2	11.7
WV	1,902	1,886	1,871	1,856	1,786	1,722	1,617	34	36	36	–4.8	–7.3
NC	6,422	6,512	6,602	6,690	7,106	7,483	8,154	10	11	11	13.7	11.8
SC	3,420	3,464	3,507	3,549	3,740	3,906	4,205	25	25	24	13.7	10.1
GA	6,244	6,384	6,524	6,663	7,338	7,957	9,045	11	10	10	22.0	19.4
FL	11,962	12,249	12,535	12,818	14,189	15,415	17,530	4	4	4	31.5	20.3
E.S.C	15,310	15,408	15,505	15,597	15,979	16,285	16,847	(x)	(x)	(x)	6.3	4.4
KY	3,733	3,736	3,742	3,745	3,745	3,733	3,710	24	24	26	2.3	–.3
TN	4,848	4,891	4,933	4,972	5,135	5,266	5,500	16	16	17	8.3	5.9
AL	4,086	4,119	4,150	4,181	4,307	4,410	4,609	22	22	23	7.4	5.5
MS	2,643	2,661	2,680	2,699	2,792	2,877	3,028	31	30	30	7.1	8.8
W.S.C	27,122	27,388	27,660	27,937	29,329	30,632	32,961	(x)	(x)	(x)	17.8	9.6
AR	2,386	2,400	2,414	2,427	2,482	2,529	2,624	33	33	32	8.1	4.2
LA	4,504	4,507	4,510	4,513	4,517	4,518	4,545	20	20	21	7.3	.1
OK	3,295	3,288	3,285	3,285	3,318	3,376	3,511	27	26	28	8.6	2.8
TX	16,937	17,192	17,451	17,712	19,012	20,211	22,281	3	2	2	24.5	14.1
Mt	13,271	13,517	13,759	13,995	15,082	16,022	17,679	(x)	(x)	(x)	23.1	14.5
MT	814	811	808	805	798	794	794	44	44	44	2.4	–1.4
ID	1,006	1,009	1,013	1,017	1,034	1,047	1,079	42	42	43	7.7	3.0
WY	506	505	503	502	495	489	487	50	50	50	8.9	–2.8
CO	3,308	3,350	3,393	3,434	3,637	3,813	4,098	26	26	25	18.8	11.0
NM	1,518	1,557	1,595	1,632	1,809	1,968	2,248	36	35	35	25.3	20.5
AZ	3,432	3,542	3,649	3,752	4,218	4,618	5,319	23	23	20	38.0	23.1
UT	1,694	1,722	1,750	1,776	1,893	1,991	2,171	35	34	34	21.8	12.1
NV	993	1,021	1,049	1,076	1,198	1,303	1,484	41	41	40	34.4	21.1
Pac	36,387	37,027	37,654	38,265	41,011	43,400	47,943	(x)	(x)	(x)	20.3	13.4
WA	4,514	4,564	4,612	4,657	4,841	4,991	5,282	19	18	18	12.7	7.2
OR	2,716	2,737	2,759	2,766	2,829	2,877	2,991	29	29	29	5.0	4.0
CA	27,531	28,074	28,607	29,126	31,463	33,500	37,347	1	1	1	23.1	15.0
AK	544	554	565	576	636	687	765	48	48	47	43.4	19.2
HI	1,081	1,101	1,121	1,141	1,243	1,345	1,559	40	40	38	18.2	17.9

X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

Digitized by Google

NO. 28. WHITE AND BLACK POPULATION PROJECTIONS, BY STATE: 1988 TO 2000

[As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	WHITE						BLACK					
	Number (1,000)				Percent of total population		Number (1,000)				Percent of total population	
	1988	1989	1990	2000	1990	2000	1988	1989	1990	2000	1990	2000
U.S	**207,326**	**208,808**	**210,247**	**221,144**	**84.1**	**82.6**	**30,165**	**30,597**	**31,026**	**35,006**	**12.4**	**13.1**
Region:												
Northeast	43,634	43,672	43,714	43,880	86.4	84.7	5,565	5,635	5,705	6,363	11.3	12.3
Midwest	52,696	52,709	52,705	51,667	88.2	86.7	5,862	5,929	5,995	6,542	10.0	11.0
South	87,761	88,556	89,343	76,252	79.5	78.7	15,925	16,153	16,379	16,546	18.8	19.1
West	43,234	43,871	44,486	49,326	85.1	83.0	2,812	2,880	2,947	3,555	5.6	6.0
N.E	**12,131**	**12,197**	**12,263**	**12,769**	**93.8**	**92.7**	**584**	**594**	**605**	**702**	**4.6**	**5.1**
ME	1,179	1,188	1,197	1,252	98.7	98.5	4	4	4	4	.3	.4
NH	1,070	1,096	1,122	1,300	98.2	97.5	7	7	7	10	.6	.8
VT	546	550	555	580	98.7	98.2	2	2	2	3	.4	.5
MA	5,470	5,475	5,482	5,595	93.2	91.9	275	280	284	327	4.6	5.4
RI	933	939	943	974	94.1	92.9	37	37	38	45	3.6	4.3
CT	2,933	2,948	2,964	3,069	90.4	89.1	259	264	269	313	8.2	9.1
M.A	**31,504**	**31,475**	**31,451**	**31,110**	**83.9**	**81.8**	**4,982**	**5,040**	**5,100**	**5,661**	**13.6**	**14.9**
NY	14,418	14,375	14,338	14,062	80.7	78.2	2,791	2,824	2,858	3,180	16.1	17.7
NJ	6,455	6,492	6,531	6,855	82.7	80.2	1,089	1,111	1,134	1,349	14.4	15.8
PA	10,631	10,608	10,582	10,193	89.5	88.6	1,101	1,105	1,108	1,131	9.4	9.6
E.N.C	**36,272**	**36,267**	**36,247**	**35,281**	**86.2**	**84.5**	**4,997**	**5,056**	**5,113**	**5,584**	**12.2**	**13.4**
OH	9,518	9,510	9,501	9,226	88.0	86.8	1,166	1,177	1,188	1,274	11.0	12.0
IN	5,024	5,027	5,028	4,922	90.6	89.5	458	463	469	513	8.4	9.3
IL	9,469	9,456	9,443	9,173	81.3	79.2	1,832	1,851	1,869	2,029	16.1	17.5
MI	7,760	7,770	7,774	7,543	83.7	81.5	1,319	1,337	1,355	1,497	14.6	16.2
WI	4,503	4,502	4,501	4,417	93.8	92.3	222	227	231	273	4.8	5.7
W.N.C	**16,424**	**16,442**	**16,457**	**16,405**	**92.9**	**91.9**	**865**	**874**	**882**	**958**	**5.0**	**5.4**
MN	4,096	4,117	4,138	4,250	95.7	94.7	64	66	67	77	1.8	1.7
IA	2,727	2,704	2,681	2,462	97.2	96.8	50	51	52	58	1.9	2.3
MO	4,527	4,551	4,573	4,705	88.1	87.4	549	554	559	600	10.8	11.2
ND	636	631	627	592	95.0	94.0	3	3	3	4	.5	.6
SD	644	643	642	635	90.7	89.0	2	2	2	2	.3	.3
NE	1,516	1,513	1,510	1,470	95.1	94.5	53	54	54	58	3.4	3.7
KS	2,278	2,283	2,286	2,292	91.7	90.6	142	144	145	158	5.8	6.2
S.A	**32,814**	**33,332**	**33,842**	**38,277**	**77.4**	**76.8**	**8,850**	**9,007**	**9,164**	**10,873**	**21.0**	**21.3**
DE	519	524	528	561	79.4	76.5	120	123	126	155	18.9	21.1
MD	3,291	3,322	3,352	3,597	70.9	68.2	1,176	1,205	1,233	1,469	26.1	27.9
DC	183	184	184	193	30.0	30.5	426	423	421	430	66.8	67.8
VA	4,707	4,775	4,840	5,346	78.8	77.7	1,136	1,154	1,171	1,332	19.0	19.4
WV	1,820	1,806	1,792	1,664	96.5	96.8	57	55	54	45	2.9	2.6
NC	4,937	5,005	5,071	5,653	75.8	75.5	1,445	1,463	1,480	1,641	22.1	21.9
SC	2,392	2,421	2,451	2,694	69.1	69.0	1,043	1,055	1,067	1,170	30.1	30.0
GA	4,604	4,704	4,803	5,696	72.1	71.8	1,716	1,752	1,789	2,151	26.9	27.0
FL	10,360	10,591	10,820	12,870	84.4	83.5	1,732	1,778	1,823	2,279	14.2	14.8
E.S.C	**12,235**	**12,301**	**12,364**	**12,782**	**79.3**	**78.5**	**3,070**	**3,096**	**3,122**	**3,354**	**20.0**	**20.6**
KY	3,441	3,443	3,444	3,414	92.0	91.5	276	278	280	294	7.5	7.9
TN	4,066	4,097	4,127	4,331	83.0	82.2	792	801	810	867	16.3	16.8
AL	3,032	3,054	3,076	3,225	73.6	73.1	1,055	1,063	1,071	1,136	25.6	25.8
MS	1,695	1,706	1,717	1,812	63.6	63.0	948	954	962	1,037	35.8	36.1
W.S.C	**22,713**	**22,924**	**23,137**	**25,192**	**82.8**	**82.2**	**4,006**	**4,048**	**4,093**	**4,520**	**14.8**	**14.8**
AR	1,989	2,000	2,011	2,093	82.9	82.8	384	385	387	398	15.9	15.7
LA	3,080	3,073	3,065	2,978	67.9	65.9	1,362	1,371	1,380	1,452	30.6	32.1
OK	2,803	2,795	2,789	2,810	84.9	83.2	222	222	223	231	6.8	6.8
TX	14,841	15,056	15,272	17,311	86.2	85.7	2,037	2,071	2,104	2,439	11.9	12.1
Mt	**12,462**	**12,672**	**12,876**	**14,572**	**92.0**	**90.9**	**340**	**348**	**356**	**432**	**2.5**	**2.7**
MT	758	755	752	734	93.4	92.5	2	2	2	2	.2	.2
ID	982	986	989	1,013	97.3	96.7	4	4	4	6	.4	.5
WY	487	485	483	467	96.3	95.4	4	4	4	4	.8	.8
CO	3,138	3,174	3,211	3,535	93.5	92.7	128	130	133	156	3.9	4.1
NM	1,371	1,404	1,436	1,711	88.0	87.0	27	28	29	34	1.7	1.7
AZ	3,184	3,278	3,369	4,108	89.8	89.0	94	98	99	123	2.7	2.7
UT	1,643	1,667	1,692	1,879	95.2	94.4	12	12	12	13	.7	.7
NV	899	922	944	1,125	87.8	86.3	69	72	74	94	6.9	7.2
Pac	**30,772**	**31,199**	**31,609**	**34,754**	**82.6**	**80.1**	**2,473**	**2,532**	**2,591**	**3,123**	**6.8**	**7.2**
WA	4,178	4,218	4,251	4,488	91.3	89.9	113	113	114	118	2.4	2.3
OR	2,584	2,596	2,607	2,674	94.3	92.9	43	44	44	50	1.6	1.7
CA	23,206	23,570	23,920	26,641	82.1	79.5	2,278	2,335	2,392	2,909	8.2	8.7
AK	431	439	447	519	77.5	75.6	19	19	20	23	3.4	3.4
HI	372	379	385	432	33.7	32.1	20	21	21	24	1.8	1.8

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

Digitized by Google

NO. 29. POPULATION PROJECTIONS, BY AGE—STATES: 1990 AND 2000

[In thousands. As of July 1. For explanation of methodology, see text, section 1. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1990						2000					
	Under 5 years	5–17 years	18–24 years	25–44 years	45–64 years	65 years and over	Under 5 years	5–17 years	18–24 years	25–44 years	45–64 years	65 years and over
U.S	**16,408**	**45,829**	**25,897**	**81,555**	**46,842**	**31,559**	**16,898**	**48,815**	**24,987**	**80,793**	**61,373**	**34,882**
Region:												
Northeast	3,387	8,513	5,123	18,300	10,166	7,088	3,003	9,004	4,421	15,854	12,179	7,348
Midwest	4,494	11,114	6,112	19,203	11,120	7,735	3,820	11,167	5,535	17,626	13,535	7,913
South	6,401	16,222	9,248	28,131	16,328	10,945	6,089	17,579	9,226	28,950	22,265	12,809
West	4,126	9,781	5,415	17,921	9,228	5,790	3,985	11,064	5,806	18,363	13,393	6,811
N.E	**876**	**2,151**	**1,389**	**4,363**	**2,516**	**1,801**	**789**	**2,384**	**1,184**	**4,340**	**3,195**	**1,883**
ME	87	218	124	393	226	164	76	234	109	385	295	172
NH	85	199	122	399	207	130	82	247	114	431	309	149
VT	43	101	60	193	98	67	38	112	54	186	131	70
MA	384	931	627	1,982	1,122	834	344	1,024	534	1,946	1,383	855
RI	65	163	108	325	190	151	59	177	97	325	239	152
CT	212	539	328	1,071	672	456	190	591	277	1,066	837	485
M.A	**2,511**	**6,362**	**3,753**	**11,937**	**7,650**	**5,287**	**2,214**	**6,620**	**3,237**	**11,514**	**8,984**	**5,465**
NY	1,198	3,048	1,821	5,690	3,626	2,391	1,078	3,111	1,594	5,533	4,199	2,472
NJ	541	1,320	773	2,547	1,648	1,069	504	1,533	677	2,626	2,032	1,175
PA	772	1,993	1,159	3,700	2,376	1,827	632	1,977	966	3,356	2,753	1,819
E.N.C	**3,150**	**7,824**	**4,362**	**13,568**	**7,867**	**5,284**	**2,881**	**7,635**	**3,852**	**12,501**	**9,477**	**5,400**
OH	790	1,993	1,107	3,435	2,065	1,401	671	1,960	962	3,152	2,444	1,440
IN	414	1,042	581	1,783	1,097	692	353	1,029	514	1,635	1,254	717
IL	869	2,142	1,190	3,766	2,180	1,445	768	2,179	1,081	3,498	2,596	1,459
MI	694	1,746	1,000	3,044	1,708	1,101	588	1,759	855	2,832	2,090	1,126
WI	363	899	484	1,541	876	645	300	908	440	1,385	1,094	657
W.N.C	**1,344**	**3,290**	**1,749**	**5,635**	**3,253**	**2,451**	**1,139**	**3,333**	**1,683**	**5,124**	**4,059**	**2,514**
MN	336	795	430	1,438	774	550	289	849	412	1,339	1,021	578
IA	202	513	265	855	507	415	157	485	237	703	591	397
MO	362	948	510	1,629	995	727	336	995	492	1,552	1,245	764
ND	50	132	68	210	112	89	39	118	66	178	140	86
SD	58	142	68	214	125	101	50	143	72	194	153	102
NE	124	299	156	499	286	223	103	295	148	441	342	227
KS	193	461	251	788	453	345	166	467	252	718	567	359
S.A	**2,991**	**7,591**	**4,595**	**14,101**	**8,506**	**5,957**	**2,918**	**8,637**	**4,547**	**15,002**	**11,714**	**7,183**
DE	49	116	71	219	128	82	47	132	67	228	162	97
MD	334	815	498	1,631	922	528	316	951	459	1,709	1,232	607
DC	31	90	69	226	118	80	28	83	66	229	144	83
VA	426	1,059	693	2,129	1,174	676	403	1,204	662	2,215	1,603	790
WV	124	345	195	581	355	267	101	300	154	511	391	255
NC	447	1,188	761	2,180	1,293	821	431	1,292	742	2,283	1,746	989
SC	263	683	407	1,157	642	396	248	720	403	1,183	888	465
GA	507	1,297	749	2,230	1,202	678	531	1,525	785	2,523	1,764	828
FL	810	1,997	1,162	3,748	2,672	2,429	813	2,431	1,210	4,141	3,752	3,066
E.S.C	**1,130**	**3,006**	**1,663**	**4,919**	**2,916**	**1,964**	**1,014**	**2,997**	**1,585**	**4,765**	**3,776**	**2,148**
KY	270	709	403	1,194	696	470	234	672	368	1,068	877	494
TN	332	905	525	1,611	965	635	301	903	498	1,582	1,273	709
AL	307	812	441	1,312	780	528	276	835	421	1,290	1,003	584
MS	220	580	295	802	473	330	204	587	297	806	622	361
W.S.C	**2,281**	**5,825**	**2,989**	**9,111**	**4,906**	**3,025**	**2,157**	**5,945**	**3,095**	**9,183**	**6,778**	**3,478**
AR	174	469	238	722	464	361	154	467	230	693	600	385
LA	377	947	485	1,449	776	480	320	909	468	1,312	989	518
OK	241	632	330	1,039	616	426	212	626	336	960	792	450
TX	1,488	3,577	1,936	5,902	3,050	1,758	1,471	3,944	2,060	6,218	4,394	2,125
Mt	**1,183**	**2,818**	**1,443**	**4,667**	**2,382**	**1,503**	**1,150**	**3,162**	**1,602**	**4,744**	**3,550**	**1,816**
MT	60	160	75	262	146	101	50	148	75	228	191	102
ID	86	223	99	322	170	116	77	214	103	292	240	121
WY	44	107	50	182	76	42	37	100	52	150	110	41
CO	256	630	361	1,268	595	326	238	686	377	1,237	887	388
NM	146	341	166	533	290	165	151	416	188	568	419	203
AZ	306	709	385	1,187	670	496	313	878	434	1,313	1,024	655
UT	210	463	196	626	236	144	211	504	251	515	435	165
NV	73	184	108	386	209	113	72	214	121	422	334	140
Pac	**2,943**	**6,963**	**3,972**	**13,254**	**6,846**	**4,287**	**2,836**	**7,903**	**4,204**	**13,619**	**9,843**	**4,995**
WA	332	841	470	1,631	831	552	291	872	475	1,521	1,238	595
OR	196	496	259	956	487	371	170	507	257	852	716	372
CA	2,289	5,292	3,036	10,061	5,234	3,213	2,242	6,160	3,242	10,569	7,465	3,822
AK	54	122	70	222	87	22	59	142	76	249	132	29
HI	72	212	137	384	207	128	74	222	154	429	289	177

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, forthcoming report.

Digitized by Google

No. 30. Metropolitan and Nonmetropolitan Area Population: 1950 to 1986

[Metropolitan areas as defined by Office of Management and Budget as of year shown, except as noted. See headnote, ta

ITEM	1950	1960	1970	1980 [1] (SMSA's)	1980 [2] (MSA's and CMSA's)	1985 [2] (MSA's and CMSA's)
Metropolitan areas: Number of areas	169	212	243	318	281	281
Population (1,000)	84,854	112,885	139,480	169,431	172,335	182,558
Percent change over previous year shown	[3] 22.0	33.0	23.6	21.5	(X)	5.9
Percent of total U.S. population	56.1	63.0	68.6	74.8	76.1	78.5
Land area, percent of U.S. land area	5.9	8.7	10.9	16.0	16.2	16.2
Nonmetropolitan areas, population (1,000)	66,472	66,438	63,822	57,115	54,211	56,140

X Not applicable. [1] SMSA-standard metropolitan statistical area. Areas are as defined June 30, 1981. [2] See t table 31. [3] Percent change from 1940.

No. 31. Number and Population of Metropolitan Areas, by Population Size-Cla 1980: 1970 to 1986

[As of **April 1; except 1986,** as of **July 1.** Data exclude Puerto Rico. CMSA-consolidated metropolitan statistical ar metropolitan statistical area. PMSA-primary metropolitan statistical area. Areas are as defined by U.S. Office of Manage Budget, June 30, 1987. For definitions, see Appendix II. See also *Historical Statistics, Colonial Times to 1970*, series A

LEVEL AND POPULATION SIZE-CLASS OF METROPOLITAN AREA IN 1980	CMSA'S AND MSA'S					MSA'S AND PMSA'S			
				Population, 1986					Po
	Number, 1987	Population, 1970 (mil.)	Population, 1980 (mil.)	Total (mil.)	Percent in each class	Number, 1987	Population, 1970 (mil.)	Population, 1980 (mil.)	Tota (mil
Total, all metropolitan areas	**281**	**155.8**	**172.3**	**184.7**	**100.0**	**332**	**155.8**	**172.3**	**184**
Level A (1,000,000 or more)	35	100.1	107.8	115.3	62.4	41	86.4	92.6	99
2,500,000 or more	12	67.8	71.5	76.1	41.2	9	42.0	42.4	44
1,000,000–2,499,999	23	32.4	36.3	39.2	21.2	32	44.4	50.2	54
Level B (250,000–999,999)	90	37.5	43.1	46.4	25.1	115	48.3	55.0	58
500,000–999,999	33	20.4	23.3	25.2	13.6	43	26.9	30.3	33
250,000–499,999	57	17.1	19.8	21.2	11.5	72	21.5	24.7	25
Level C (100,000–249,999)	123	15.8	18.6	20.0	10.8	141	18.8	21.8	23
Level D (less than 100,000)	33	2.4	2.8	3.0	1.6	35	2.6	3.0	

Source of tables 30 and 31: U.S. Bureau of the Census, *U.S. Census of Population: 1950, 1960, and 1970; 1980 Population*, vol. I, chapter A (PC80–1–A) and *Supplementary Report, Metropolitan Statistical Areas* (PC80–S1–18); release (CB87–116).

No. 32. Immigrants Admitted by Selected Country of Birth and Metropolitan Ar Intended Residence: 1986

[**For year ending September 30.** Includes Puerto Rico. Includes new arrivals and persons adjusting their status. MSA- statistical area and PMSA-primary metropolitan statistical area as defined by U.S. Office of Management and Budg 1985. See text, section 1, and Appendix III]

METROPOLITAN AREA OF INTENDED RESIDENCE	Total [1]	Mexico	Philippines	South Korea	Cuba	Vietnam	India	Dominican Republic	Ch M Is
Total [2]	**601,708**	**66,533**	**52,556**	**35,776**	**33,114**	**29,993**	**26,227**	**26,175**	**25**
New York, NY PMSA	94,827	544	1,872	2,813	876	612	3,100	16,536	7
Los Angeles-Long Beach, CA PMSA	62,771	11,723	7,811	5,111	2,202	3,064	1,204	39	2
Chicago, IL PMSA	21,661	4,061	2,514	1,419	413	325	2,496	77	
Miami-Hialeah, FL PMSA	20,841	98	168	35	13,154	28	78	411	
San Francisco, CA PMSA	16,436	512	3,814	427	51	1,183	255	5	3
Washington, DC–MD–VA MSA	15,805	91	784	1,719	99	935	980	186	
Anaheim-Santa Ana, CA PMSA	13,270	1,900	938	1,076	239	2,850	436	4	
San Jose, CA PMSA	12,321	1,007	2,032	544	17	2,492	626	3	
Oakland, CA PMSA	10,117	857	2,357	435	22	659	448	3	
San Diego, CA MSA	9,895	3,080	2,066	195	57	931	90	9	
Newark, NJ PMSA	9,874	24	437	295	1,009	110	706	300	
Boston, MA PMSA	9,656	25	155	217	100	608	397	495	
Jersey City, NJ PMSA	8,305	18	474	114	2,863	113	718	762	
Bergen-Passaic, NJ PMSA	8,087	55	360	547	239	54	621	1,080	
Nassau-Suffolk, NY PMSA	7,846	47	227	399	69	91	548	630	
Philadelphia, PA–NJ PMSA	7,266	41	457	1,093	29	431	689	48	
Houston, TX PMSA	7,229	2,136	290	208	195	799	454	34	
Honolulu, HI MSA	6,305	20	3,309	836	1	289	14	1	
Dallas, TX PMSA	5,911	1,651	197	291	140	377	392	9	
Detroit, MI PMSA	5,293	96	446	382	30	85	541	5	

[1] Includes other countries, not shown separately. [2] Includes other metropolitan areas, not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

Digitized by Google

No. 33. Metropolitan and Nonmetropolitan Area Population—States: 1970 to 1986

[1970 and 1980, as of April 1; 1986 as of July 1. Excludes Armed Forces abroad. Refers to 261 metropolitan statistical areas and 20 consolidated metropolitan statistical areas as defined by U.S. Office of Management and Budget, June 30, 1987; see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover. Minus sign (–) indicates decrease]

Region, division, and state	Metropolitan area population							Nonmetropolitan area population						
	Total (1,000)			Average annual percent change		Percent of State		Total (1,000)			Average annual percent change		Percent of State	
	1970	1980	1986	1970–1980	1980–1986	1970	1986	1970	1980	1986	1970–1980	1980–1986	1970	1986
U.S	155,832	172,335	184,713	1.0	1.1	76.7	76.6	47,470	54,211	56,323	1.3	.6	23.3	23.4
Region:														
Northeast	43,742	43,291	44,036	–.1	.3	89.2	88.0	5,318	5,844	5,982	.9	.4	10.8	12.0
Midwest	40,487	41,580	42,066	.3	.2	71.5	70.9	16,103	17,266	17,248	.7	–	28.5	29.1
South	42,282	51,469	57,819	2.0	1.9	67.3	69.7	20,531	23,883	25,164	1.5	.8	32.7	30.3
West	29,320	35,975	40,791	2.0	2.0	84.2	83.7	5,516	7,196	7,930	2.7	1.5	15.8	16.3
N. Eng	9,822	10,020	10,276	.2	.4	82.9	80.7	2,026	2,329	2,461	1.4	.9	17.1	19.3
ME	365	404	424	1.0	.7	36.8	36.1	628	720	750	1.4	.6	63.2	63.9
NH	404	511	579	2.3	2.0	54.6	56.4	333	410	448	2.1	1.4	45.2	43.6
VT	99	115	125	1.5	1.2	22.3	23.1	346	396	416	1.4	.8	77.7	76.9
MA	5,266	5,231	5,293	–.1	.2	92.6	90.6	423	506	539	1.6	1.0	7.4	9.2
RI	868	676	902	.1	.4	91.4	92.5	82	69	73	–1.7	.9	8.6	7.5
CT	2,819	2,679	2,953	.2	.4	93.0	92.6	213	228	236	.7	.5	7.0	7.4
Mid. Atl	33,921	33,272	33,760	–.2	.2	91.2	90.6	3,293	3,515	3,521	.7	–	8.8	9.4
NY	16,647	15,869	16,082	–.5	.2	91.3	90.5	1,594	1,689	1,690	.6	–	8.7	9.5
NJ	7,171	7,365	7,620	.3	.5	100.0	100.0	–	–	–	–	–	–	–
PA	10,102	10,038	10,059	–.1	–	85.6	84.6	1,698	1,826	1,830	.7	–	14.4	15.4
E. No. Cent	31,621	32,204	32,256	.2	–	78.5	77.3	8,642	9,479	9,482	.9	–	21.5	22.7
OH	6,565	6,521	6,475	–.1	–.1	80.4	78.8	2,092	2,277	2,277	.8	–	19.6	21.2
IN	3,551	3,719	3,743	.5	.1	66.4	68.0	1,644	1,771	1,760	.7	–.1	31.6	32.0
IL	9,125	9,339	9,520	.2	.3	82.1	82.4	1,986	2,068	2,033	.5	–.4	17.9	17.6
MI	7,361	7,481	7,334	.2	–.3	82.9	80.2	1,521	1,782	1,811	1.6	.3	17.1	19.8
WI	3,019	3,145	3,184	.4	.2	68.3	66.5	1,399	1,561	1,801	1.1	.4	31.7	33.5
W. No. Cent	6,867	9,376	9,610	.6	.7	54.3	55.8	7,461	7,807	7,767	.5	–.1	45.7	44.2
MN	2,434	2,621	2,772	.7	.9	63.9	65.8	1,373	1,455	1,442	.6	–.1	36.1	34.2
IA	1,154	1,223	1,222	.6	–	40.8	42.9	1,671	1,691	1,629	.1	–.6	59.2	57.1
MO	3,170	3,226	3,336	.2	.5	67.6	65.9	1,508	1,690	1,730	1.1	.4	32.2	34.1
ND	196	234	253	1.6	1.2	31.7	37.3	422	418	426	–.1	.3	68.3	62.7
SD	155	180	200	1.5	1.7	23.2	26.2	512	511	508	–	–.1	76.8	71.6
NE	650	708	750	.9	.9	43.8	46.9	835	862	848	.3	–.3	56.2	53.1
KS	1,109	1,184	1,279	.7	1.2	49.3	52.0	1,140	1,180	1,182	.3	–	50.7	48.0
So. Atl	22,051	26,777	30,081	1.9	1.9	71.9	73.5	8,628	10,183	10,833	1.7	1.0	28.1	26.5
DE	386	398	416	.3	.6	70.4	66.0	162	196	215	1.9	1.5	29.6	34.0
MD	3,668	3,920	4,147	.7	.9	93.5	92.9	255	297	317	1.5	1.0	6.5	7.1
DC	757	638	626	–1.7	–.3	100.0	100.0	–	–	–	–	–	–	–
VA	3,279	3,745	4,138	1.3	1.6	70.5	71.5	1,373	1,601	1,650	1.5	.5	29.5	28.5
WV	683	718	702	.5	–.4	39.1	36.6	1,061	1,232	1,217	1.5	–.2	60.9	63.4
NC	2,755	3,204	3,484	1.5	1.3	54.2	55.0	2,330	2,678	2,847	1.4	1.0	45.8	45.0
SC	1,504	1,865	2,033	2.2	1.4	56.0	60.2	1,087	1,256	1,343	1.4	1.1	42.0	39.8
GA	2,807	3,403	3,922	1.9	2.3	61.2	64.3	1,781	2,060	2,182	1.5	.9	38.8	35.7
FL	6,213	6,885	10,613	3.6	2.8	91.5	90.9	578	862	1,063	4.0	3.3	8.5	9.1
E. So. Cent	8,913	7,903	8,287	1.3	.8	54.0	54.5	5,895	8,763	6,921	1.4	.4	46.0	45.5
KY	1,550	1,677	1,695	.8	.2	48.1	45.5	1,671	1,984	2,033	1.7	.4	51.9	54.5
TN	2,630	3,048	3,207	1.5	.6	67.0	66.6	1,296	1,543	1,596	1.7	.5	33.0	33.2
AL	2,169	2,462	2,597	1.3	.9	63.0	64.1	1,275	1,432	1,455	1.2	.3	37.0	35.9
MS	564	716	788	2.4	1.5	25.5	30.0	1,653	1,804	1,837	.9	.3	74.5	70.0
W. So. Cent	13,318	16,809	19,451	2.3	2.3	68.9	72.4	6,008	6,938	7,410	1.4	1.1	31.1	27.6
AR	730	865	933	1.9	1.3	38.0	39.3	1,193	1,401	1,439	1.6	.4	62.0	60.7
LA	2,430	2,892	3,110	1.7	1.2	66.9	69.2	1,205	1,314	1,391	.9	.9	33.1	30.9
OK	1,432	1,724	1,935	1.9	1.6	56.0	58.5	1,127	1,301	1,370	1.4	.6	44.0	41.5
TX	8,716	11,307	13,472	2.6	2.6	77.8	80.7	2,483	2,922	3,209	1.6	1.5	22.2	19.2
Mt	5,155	7,263	8,486	3.4	2.5	62.2	65.2	3,135	4,110	4,497	2.7	1.4	37.8	34.5
MT	169	189	200	1.1	.9	24.4	24.4	525	598	619	1.3	.6	75.6	75.6
ID	112	173	194	4.3	1.8	15.7	19.4	601	771	809	2.5	.8	84.3	80.7
WY	108	141	146	2.7	.6	32.4	28.8	225	329	361	3.8	1.5	67.6	71.2
CO	1,772	2,326	2,665	2.7	2.2	80.2	81.6	438	563	602	2.5	1.1	19.8	18.4
NM	456	609	704	2.9	2.3	44.8	47.6	562	694	776	2.1	1.8	55.2	52.5
AZ	1,323	2,040	2,503	4.3	3.3	74.5	75.4	453	678	777	4.0	2.2	25.5	23.4
UT	822	1,128	1,282	3.2	2.0	77.6	77.0	236	333	384	3.4	2.3	22.4	23.0
NV	394	657	794	5.1	3.0	80.7	82.5	94	144	169	4.2	2.6	19.3	17.5
Pac	24,165	28,712	32,305	1.7	1.9	91.0	90.4	2,383	3,088	3,433	2.6	1.7	9.0	9.6
WA	2,752	3,322	3,615	1.9	1.4	80.6	81.0	661	810	848	2.0	.7	19.4	19.0
OR	1,415	1,763	1,816	2.2	.5	67.7	67.4	676	870	880	2.5	.2	32.3	32.6
CA	19,241	22,689	25,820	1.6	2.1	96.3	95.7	730	979	1,161	2.9	2.7	3.7	4.3
AK	126	174	235	3.2	4.8	41.6	44.0	176	227	299	2.6	4.4	58.2	56.0
HI	631	763	817	1.9	1.1	81.9	78.9	139	202	248	3.7	3.1	18.1	23.2

– Represents or rounds to zero.

Source: U.S. Bureau of the Census, press release (CB 87-116), and unpublished data.

Digitized by Google

NO. 34. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1986, AND SELECTED CHARACTERISTICS, 1980

[1970 and 1980, as of April 1; 1985 and 1986 as of July 1. Covers 20 consolidated metropolitan statistical areas (CMSAs), their 71 component primary metropolitan statistical areas (PMSAs), and the remaining 111 MSA's with 250,000 and over population as defined by the U.S. Office of Management and Budget as of June 30, 1987. Figures for 1970 include corrections. Rank based on unrounded figures for CMSAs and MSAs only. For definitions and components of all MSAs, see Appendix II. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980			1985 (1,000)	1986 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
		Total (1,000)	Percent—				1980	1986	1970–1980	1980–1986
			Black	His-panic [1]						
Albany-Schenectady-Troy, NY MSA	811	836	3.7	1.0	839	844	46	48	.3	.1
Albuquerque, NM MSA	316	420	2.3	36.8	465	474	80	75	2.8	1.9
Allentown-Bethlehem, PA-NJ MSA	594	635	1.4	2.4	651	657	54	55	.7	.5
Appleton-Oshkosh-Neenah, WI MSA	277	291	.2	.5	305	308	107	113	.5	.9
Atlanta, GA MSA	1,684	2,138	24.6	1.1	2,469	2,561	16	13	2.4	2.9
Atlantic City, NJ MSA	235	276	14.2	3.2	294	297	113	115	1.6	1.2
Augusta, GA–SC MSA	291	346	30.9	1.5	380	390	95	90	1.7	1.9
Austin, TX MSA	360	537	9.4	17.6	698	726	63	53	4.0	4.8
Bakersfield, CA MSA	330	403	5.2	21.6	480	494	84	73	2.0	3.3
Baltimore, MD MSA	2,089	2,200	25.5	1.0	2,252	2,280	15	18	.5	.6
Baton Rouge, LA MSA	376	494	27.8	1.7	543	546	69	68	2.7	1.6
Beaumont-Port Arthur, TX MSA	348	375	21.8	3.4	380	376	88	94	.8	-.1
Binghamton, NY MSA	268	263	1.3	.7	262	262	123	125	-.2	-.1
Birmingham, AL MSA	794	884	27.2	.6	905	911	42	44	1.1	.5
Boston-Lawrence-Salem, MA-NH CMSA	3,939	3,972	4.4	2.3	4,052	4,056	7	7	.1	.3
Boston, MA PMSA	2,887	2,806	5.6	2.4	2,832	2,824	(x)	(x)	.3	.1
Brockton, MA PMSA	163	183	3.2	1.5	186	188	(x)	(x)	1.2	.4
Lawrence-Haverhill, MA-NH PMSA	301	339	.8	3.8	362	368	(x)	(x)	1.2	1.3
Lowell, MA-NH PMSA	225	243	.8	2.2	253	254	(x)	(x)	.8	.7
Nashua, NH PMSA	100	143	.7	.8	159	163	(x)	(x)	3.5	2.2
Salem-Gloucester, MA PMSA	263	258	.4	.9	259	259	(x)	(x)	-.2	(Z)
Brownsville-Harlingen, TX MSA	140	210	.3	77.1	252	257	138	128	4.1	3.5
Buffalo-Niagara Falls, NY CMSA	1,349	1,243	9.2	1.3	1,185	1,182	29	33	-.8	-.8
Buffalo, NY PMSA	1,113	1,015	10.1	1.4	968	965	(x)	(x)	-.9	-.6
Niagara Falls, NY PMSA	236	227	4.9	.8	217	217	(x)	(x)	.4	-.8
Canton, OH MSA	394	404	6.0	.9	401	400	83	86	.3	-.2
Charleston, SC MSA	336	430	31.0	1.5	477	486	77	74	2.5	1.9
Charleston, WV MSA	257	270	5.1	.5	269	266	118	122	.5	-.2
Charlotte-Gastonia-Rock Hill, NC-SC MSA	840	971	20.0	.8	1,053	1,065	36	35	1.4	1.5
Chattanooga, TN-GA MSA	371	427	14.0	.7	425	426	78	82	1.4	(–Z)
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA	7,779	7,937	19.6	8.0	8,080	8,116	3	3	.2	.4
Aurora-Elgin, IL PMSA	277	316	4.4	8.6	336	343	(x)	(x)	1.3	1.3
Chicago, IL PMSA	6,093	6,060	22.3	8.6	6,170	6,188	(x)	(x)	.1	.3
Gary-Hammond, IN PMSA	633	643	19.7	7.3	620	615	(x)	(x)	-.1	-.7
Joliet, IL PMSA	274	355	8.9	4.0	365	370	(x)	(x)	2.6	.7
Kenosha, WI PMSA	118	123	2.3	2.9	121	120	(x)	(x)	.4	-.4
Lake County, IL PMSA	383	440	6.4	4.8	469	480	(x)	(x)	1.4	1.4
Cincinnati-Hamilton, OH-KY-IN CMSA	1,613	1,660	11.2	.6	1,681	1,690	20	23	.3	.3
Cincinnati, OH-KY-IN PMSA	1,387	1,401	12.4	.6	1,413	1,417	(x)	(x)	.1	.2
Hamilton-Middletown, OH PMSA	226	259	4.7	.6	268	272	(x)	(x)	1.3	.8
Cleveland-Akron-Lorain, OH CMSA	3,000	2,834	15.0	1.5	2,773	2,766	11	12	-.6	-.4
Akron, OH PMSA	679	660	9.1	.5	645	645	(x)	(x)	-.3	-.4
Cleveland, OH PMSA	2,064	1,899	18.2	1.4	1,857	1,850	(x)	(x)	-.8	-.4
Lorain-Elyria, OH PMSA	257	275	7.2	4.8	270	271	(x)	(x)	.7	.3
Colorado Springs, CO MSA	236	309	6.2	8.1	367	380	105	92	2.7	3.3
Columbia, SC MSA	323	410	28.8	1.3	436	445	82	78	2.4	1.3
Columbus, GA–AL MSA	239	239	35.0	2.3	248	251	131	131	(Z)	.8
Columbus, OH MSA	1,149	1,244	11.0	.7	1,287	1,299	28	29	.8	.7
Corpus Christi, TX MSA	285	326	4.0	48.5	360	363	99	98	1.4	1.7
Dallas-Fort Worth, TX CMSA	2,353	2,931	14.3	9.5	3,526	3,655	10	6	2.2	3.5
Dallas, TX PMSA	1,556	1,957	16.1	9.0	2,322	2,401	(x)	(x)	2.3	3.0
Fort Worth-Arlington, TX PMSA	795	973	10.6	7.4	1,204	1,254	(x)	(x)	2.0	4.1
Davenport-Rock Island-Moline, IA-IL MSA	363	384	4.4	3.0	377	371	86	95	.6	-.6
Dayton-Springfield, OH MSA	975	942	12.6	.7	931	934	39	42	-.3	-.1
Daytona Beach, FL MSA	169	259	11.2	1.6	311	321	124	110	4.2	3.4
Denver-Boulder, CO CMSA	1,238	1,618	4.8	10.7	1,828	1,847	21	22	2.7	2.1
Boulder-Longmont, CO PMSA	132	190	.9	5.4	213	214	(x)	(x)	3.6	2.0
Denver, CO PMSA	1,106	1,429	5.3	11.4	1,615	1,633	(x)	(x)	2.6	2.1
Des Moines, IA MSA	340	368	3.8	1.3	380	388	91	88	.8	.6
Detroit-Ann Arbor, MI CMSA	4,788	4,753	19.4	1.6	4,592	4,601	6	6	-.1	.5
Ann Arbor, MI PMSA	234	265	10.7	1.5	262	266	(x)	(x)	1.2	.1
Detroit, MI PMSA	4,554	4,488	19.9	1.6	4,330	4,335	(x)	(x)	-.1	.6
El Paso, TX MSA	359	480	3.8	61.9	549	562	70	67	2.9	2.5
Erie, PA MSA	264	280	4.4	.7	279	279	111	120	.6	(–Z)
Eugene-Springfield, OR MSA	215	275	.6	2.0	264	263	115	123	2.5	-.7
Evansville, IN–KY MSA	265	276	5.6	.5	282	281	114	118	.8	.3
Fayetteville, NC MSA	212	247	30.6	3.7	256	259	127	127	1.5	.7
Fort Myers-Cape Coral, FL MSA	105	205	8.0	2.8	267	279	140	121	6.7	4.9
Flint, MI MSA	446	450	17.5	1.7	434	435	73	80	.1	-.6
Fort Wayne, IN MSA	335	354	7.5	1.5	352	356	93	101	.6	1
Fresno, CA MSA	413	515	4.9	29.3	576	588	67	64	2.2	2.1

See footnotes at end of table.

Digitized by Google

No. 34. Metropolitan Statistical Areas—Population, 1970 to 1986, and Selected Characteristics, 1980—Continued

[See headnote, p. 28]

Metropolitan statistical area	1970 (1,000)	1980			1985 (1,000)	1986 (1,000)	Rank		Average annual percent change	
		Total (1,000)	Percent—				1980	1986	1970–1980	1980–1986
			Black	His-panic [1]						
Grand Rapids, MI MSA	539	602	5.3	2.3	634	649	56	58	1.1	1.2
Greensboro-Winston-Salem-High Point, NC MSA	743	852	19.0	.7	894	900	44	45	1.4	.9
Greenville-Spartanburg, SC MSA	473	569	17.1	.8	600	606	59	61	1.8	1.0
Harrisburg-Lebanon-Carlisle, PA MSA	510	555	6.2	1.1	574	577	62	65	.8	.6
Hartford-New Britain-Middletown, CT CMSA	1,000	1,014	7.1	4.3	1,037	1,044	35	36	.1	.5
Bristol, CT PMSA	70	74	1.4	1.5	76	76	(x)	(x)	.5	.6
Hartford, CT PMSA	711	716	8.6	4.8	734	739	(x)	(x)	.1	.5
Middletown, CT PMSA	74	82	5.3	1.7	84	84	(x)	(x)	1.0	.5
New Britain, CT PMSA	145	142	3.4	5.0	144	144	(x)	(x)	−.2	.2
Honolulu, HI MSA	631	763	2.2	7.2	811	817	47	49	1.9	1.1
Houston-Galveston-Brazoria, TX CMSA	2,169	3,101	18.2	14.5	3,606	3,634	9	9	3.6	2.5
Brazoria, TX PMSA	108	170	7.8	13.4	187	189	(x)	(x)	4.5	1.7
Galveston-Texas City, TX PMSA	170	196	18.5	12.0	214	215	(x)	(x)	1.4	1.5
Houston, TX PMSA	1,891	2,736	18.8	14.7	3,205	3,231	(x)	(x)	3.7	2.7
Huntington-Ashland, WV-KY-OH MSA	307	336	2.2	.5	331	328	97	108	.9	−.4
Indianapolis, IN MSA	1,111	1,167	13.5	.8	1,203	1,213	30	32	.5	.6
Jackson, MS MSA	289	362	41.3	.8	388	392	92	89	2.3	1.3
Jacksonville, FL MSA	613	722	21.6	1.8	825	853	50	47	1.6	2.7
Johnson City-Kingsport-Bristol, TN-VA MSA	374	434	2.1	.5	442	443	76	79	1.5	.4
Johnstown, PA MSA	263	265	1.3	.4	256	254	121	130	.1	−.6
Kansas City, MO–KS MSA	1,373	1,433	12.6	2.3	1,499	1,518	25	25	.4	.9
Knoxville, TN MSA	477	566	6.1	.6	589	591	60	63	1.7	.7
Lakeland-Winter Haven, FL MSA	229	322	15.0	3.0	368	377	101	93	3.4	2.5
Lancaster, PA MSA	320	362	1.9	2.5	387	394	91	88	1.2	1.3
Lansing-East Lansing, MI MSA	378	420	5.6	3.1	417	425	81	83	1.0	.2
Las Vegas, NV MSA	273	463	10.0	7.6	551	570	72	66	5.3	3.3
Lexington-Fayette, KY MSA	267	318	11.0	.7	330	332	103	107	1.7	.7
Little Rock-North Little Rock, AR MSA	381	474	19.1	.9	499	506	71	72	2.2	1.0
Los Angeles-Anaheim-Riverside, CA CMSA	9,981	11,498	9.2	24.0	12,759	13,075	2	2	1.4	2.1
Anaheim-Santa Ana, CA PMSA	1,421	1,933	1.3	14.8	2,127	2,167	(x)	(x)	3.1	1.8
Los Angeles-Long Beach, CA PMSA	7,042	7,478	12.6	27.6	8,131	8,296	(x)	(x)	.6	1.7
Oxnard-Ventura, CA PMSA	378	529	2.1	21.4	601	611	(x)	(x)	3.4	2.3
Riverside-San Bernardino, CA PMSA	1,139	1,558	5.0	18.6	1,901	2,001	(x)	(x)	3.1	4.0
Louisville, KY–IN MSA	907	957	12.6	.6	964	963	38	40	.5	.1
Macon-Warner Robins, GA MSA	235	264	33.6	.9	280	282	122	117	1.2	1.1
Madison, WI MSA	290	324	1.8	1.0	341	345	100	102	1.1	1.0
McAllen-Edinburg-Mission, TX MSA	182	283	.2	81.3	356	366	110	96	4.4	4.1
Melbourne-Titusville-Palm Bay, FL MSA	230	273	8.7	2.0	348	361	116	99	1.7	4.5
Memphis, TN–AR–MS MSA	834	913	39.9	.9	950	960	40	41	.9	.8
Miami-Fort Lauderdale, FL CMSA	1,888	2,644	14.9	23.5	2,865	2,912	12	11	3.4	1.5
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	620	1,018	11.2	4.0	1,120	1,142	(x)	(x)	5.0	1.8
Miami-Hialeah, FL PMSA	1,268	1,626	17.2	35.7	1,745	1,770	(x)	(x)	2.5	1.4
Milwaukee-Racine, WI CMSA	1,575	1,570	10.5	2.6	1,551	1,552	23	24	(−Z)	.2
Milwaukee, WI PMSA	1,404	1,397	11.8	2.5	1,380	1,380	(x)	(x)	−.1	.2
Racine, WI PMSA	171	173	8.0	4.2	172	172	(x)	(x)	.1	−.1
Minneapolis-St. Paul, MN–WI MSA	1,982	2,137	2.3	1.0	2,262	2,295	17	16	.8	**1.1**
Mobile, AL MSA	377	444	28.6	1.0	465	470	74	76	1.6	**.9**
Modesto, CA MSA	195	266	1.2	15.0	304	317	120	111	3.1	**2.8**
Montgomery, AL MSA	226	273	34.7	.9	295	299	117	114	1.9	1.5
Nashville, TN MSA	699	851	16.1	.7	911	931	45	43	2.0	1.4
New Haven-Meriden, CT MSA	489	500	10.5	3.7	509	512	68	70	.2	.4
New London-Norwich, CT–RI MSA	243	251	3.5	1.9	258	260	125	126	.3	.5
New Orleans, LA MSA	1,100	1,256	32.6	4.0	1,330	1,334	27	27	1.3	1.0
New York-Northern New Jersey-Long Island, NY–NJ–CT CMSA	16,193	17,539	16.1	11.7	17,918	17,968	1	1	−.4	.4
Bergen-Passaic, NJ PMSA	1,358	1,293	7.1	7.0	1,300	1,298	(x)	(x)	−.5	.1
Bridgeport-Milford, CT PMSA	444	439	8.3	7.1	443	444	(x)	(x)	−.1	.2
Danbury, CT PMSA	136	170	2.6	1.9	183	186	(x)	(x)	2.2	1.4
Jersey City, NJ PMSA	608	557	12.6	26.1	557	553	(x)	(x)	−.9	−.1
Middlesex-Somerset-Hunterdon, NJ PMSA	852	886	5.3	4.4	931	950	(x)	(x)	.4	1.1
Monmouth-Ocean, NJ PMSA	670	849	6.2	2.5	913	935	(x)	(x)	2.4	1.5
Nassau-Suffolk, NY PMSA	2,556	2,606	6.2	3.9	2,630	2,635	(x)	(x)	.2	.2
New York, NY PMSA	9,077	8,275	23.1	17.7	8,472	8,473	(x)	(x)	−.9	.4
Newark, NJ PMSA	1,937	1,879	21.7	6.9	1,889	1,889	(x)	(x)	−.3	.1
Norwalk, CT PMSA	128	127	8.9	4.1	128	128	(x)	(x)	−.1	.1
Orange County, NY PMSA	222	260	6.2	4.3	276	282	(x)	(x)	1.6	1.3
Stamford, CT PMSA	206	199	8.4	3.7	197	195	(x)	(x)	−.4	−.3
Norfolk-Virginia Beach-Newport News, VA MSA	1,059	1,160	28.1	1.6	1,280	1,310	31	28	.9	1.9
Oklahoma City, OK MSA	719	861	9.1	2.2	979	983	43	38	1.8	2.1

See footnotes at end of table.

Digitized by Google

NO. 34. METROPOLITAN STATISTICAL AREAS—POPULATION, 1970 TO 1986, AND SELECTED CHARACTERISTICS, 1980—Continued

[See headnote, p. 28]

METROPOLITAN STATISTICAL AREA	1970 (1,000)	1980			1985 (1,000)	1986 (1,000)	RANK		AVERAGE ANNUAL PERCENT CHANGE	
		Total (1,000)	Percent—				1980	1986	1970-1980	1980-1986
			Black	Hispanic [1]						
Omaha, NE-IA MSA	556	585	7.5	2.0	611	614	57	59	.5	.8
Orlando, FL MSA	453	700	12.9	3.7	863	898	51	46	4.3	4.0
Pensacola, FL MSA	243	290	16.7	1.6	328	337	109	106	1.8	2.4
Peoria, IL MSA	342	366	6.0	.9	347	340	90	103	.7	−1.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	5,749	5,681	18.2	2.6	5,787	5,833	4	5	−.1	.4
Philadelphia, PA-NJ PMSA	4,824	4,717	18.8	2.5	4,791	4,826	(x)	(x)	−.2	.4
Trenton, NJ PMSA	304	308	18.0	3.4	317	321	(x)	(x)	.1	.7
Vineland-Millville-Bridgeton, NJ PMSA	121	133	15.0	9.4	135	135	(x)	(x)	.9	.3
Wilmington, DE-NJ-MD PMSA	499	523	14.0	1.6	543	551	(x)	(x)	.5	1.8
Phoenix, AZ MSA	971	1,509	3.2	13.2	1,817	1,900	24	21	4.4	3.7
Pittsburgh-Beaver Valley, PA CMSA	2,556	2,423	7.5	.5	2,334	2,316	13	15	−.5	−.7
Beaver County, PA PMSA	208	204	5.6	.5	195	193	(x)	(x)	−.2	−.9
Pittsburgh, PA PMSA	2,348	2,219	7.7	.5	2,139	2,123	(x)	(x)	−.6	−.7
Portland-Vancouver, OR-WA CMSA	1,047	1,298	2.6	2.0	1,350	1,364	26	26	2.1	.8
Portland, OR PMSA	919	1,106	2.9	2.1	1,143	1,153	(x)	(x)	1.9	.7
Vancouver, WA PMSA	128	192	.9	1.6	207	211	(x)	(x)	4.0	1.5
Poughkeepsie, NY MSA	222	245	7.0	2.4	254	257	129	129	1.0	.7
Providence-Pawtucket-Fall River, RI-MA CMSA	1,065	1,083	2.3	2.0	1,100	1,106	33	34	.2	.4
Fall River, MA-RI PMSA	152	157	.3	1.6	157	158	(x)	(x)	.3	(z)
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	301	307	.6	2.0	314	317	(x)	(x)	.2	.5
Providence, RI PMSA	612	619	3.6	2.1	629	634	(x)	(x)	.1	.4
Raleigh-Durham, NC MSA	446	561	26.1	.8	631	651	61	56	2.3	2.4
Reading, PA MSA	296	313	2.5	2.9	319	321	104	109	.5	.4
Richmond-Petersburg, VA MSA	676	761	29.1	.9	801	810	48	50	1.2	1.0
Rochester, NY MSA	962	971	6.0	2.0	976	980	37	39	.1	.1
Rockford, IL MSA	272	280	7.6	2.4	280	280	112	119	.3	(z)
Sacramento, CA MSA	848	1,100	5.6	9.6	1,256	1,291	32	30	2.6	2.6
Saginaw-Bay City-Midland, MI MSA	401	422	8.9	3.9	405	404	79	85	.5	−.7
St. Louis, MO-IL MSA	2,429	2,377	17.2	.9	2,422	2,438	14	14	−.2	.4
Salem, OR MSA	187	250	.6	4.5	259	262	126	124	2.9	.8
Salinas-Seaside-Monterey, CA MSA	247	290	6.5	25.9	329	340	108	104	1.6	2.5
Salt Lake City-Ogden, UT MSA	684	910	.9	4.9	1,025	1,041	41	37	2.9	2.2
San Antonio, TX MSA	888	1,072	6.6	44.9	1,242	1,276	34	31	1.9	2.8
San Diego, CA MSA	1,358	1,862	5.6	14.8	2,133	2,201	19	19	3.2	2.7
San Francisco-Oakland-San Jose, CA CMSA	4,754	5,368	8.7	12.3	5,803	5,878	5	4	1.2	1.5
Oakland, CA PMSA	1,628	1,762	15.0	10.5	1,910	1,934	(x)	(x)	.6	1.5
San Francisco, CA PMSA	1,482	1,489	8.6	11.1	1,570	1,588	(x)	(x)	(z)	1.0
San Jose, CA PMSA	1,065	1,295	3.4	17.5	1,397	1,402	(x)	(x)	2.0	1.3
Santa Cruz, CA PMSA	124	188	.6	14.7	213	216	(x)	(x)	4.2	2.4
Santa Rosa-Petaluma, CA PMSA	205	300	1.2	6.9	334	344	(x)	(x)	3.6	2.2
Vallejo-Fairfield-Napa, CA PMSA	251	334	6.6	10.0	378	392	(x)	(x)	2.9	2.6
Santa Barbara-Santa Maria-Lompoc, CA MSA	264	299	2.6	18.5	331	339	106	105	1.2	2.0
Scranton-Wilkes-Barre, PA MSA	696	729	.6	.4	724	726	49	54	.5	−.1
Seattle-Tacoma, WA CMSA	1,837	2,093	4.2	2.1	2,251	2,285	16	17	1.3	1.4
Seattle, WA PMSA	1,425	1,607	3.6	2.0	1,725	1,751	(x)	(x)	1.2	1.4
Tacoma, WA PMSA	412	486	6.1	2.7	526	533	(x)	(x)	1.6	1.5
Shreveport, LA MSA	296	333	33.2	1.5	363	365	98	97	1.2	1.4
Spokane, WA MSA	287	342	1.3	1.4	357	357	96	100	1.7	.7
Springfield, MA MSA	528	515	5.5	4.6	517	518	66	69	−.2	.1
Stockton, CA MSA	291	347	5.5	19.2	415	433	94	81	1.6	3.5
Syracuse, NY MSA	637	643	4.6	.9	649	649	53	57	.1	.2
Tampa-St. Petersburg-Clearwater, FL MSA	1,106	1,614	9.2	5.0	1,871	1,914	22	20	3.8	2.7
Toledo, OH MSA	606	617	10.6	2.7	611	611	55	60	.2	−.1
Tucson, AZ MSA	352	531	2.8	21.0	585	602	64	62	4.1	2.0
Tulsa, OK MSA	526	657	7.8	1.5	728	734	52	52	2.2	1.8
Utica-Rome, NY MSA	340	320	2.4	.9	317	315	102	112	−.6	−.2
Visalia-Tulare-Porterville, CA MSA	188	246	1.4	29.8	280	287	128	116	2.7	2.5
Washington, DC-MD-VA MSA	3,040	3,251	26.8	2.9	3,494	3,563	8	10	.7	1.5
West Palm Beach-Boca Raton-Delray Beach, FL MSA	349	577	13.4	4.9	724	756	58	51	5.0	4.3
Wichita, KS MSA	417	442	7.4	3.0	466	470	75	77	.6	1.0
Worcester, MA MSA	400	403	1.4	2.2	404	408	85	84	.1	.2
York, PA MSA	330	381	2.6	.9	393	398	67	67	1.5	.7
Youngstown-Warren, OH MSA	537	531	10.5	1.3	514	510	65	71	−.1	−.7

X Not applicable. Z Less than .05 percent. [1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas*, (PC80-S1-18) and *General Population Characteristics* (PC80-1-B); and press release (CB87-116).

Digitized by Google

NO. 35. RESIDENT POPULATION IN COUNTIES WITHIN 50 MILES OF COASTAL SHORELINES: 1960 TO 1985

[Enumerated population as of **April 1**, except **1985**, estimated as of **July 1**. Excludes Alaska and Hawaii. Covers 611 counties and independent cities which are entirely or substantially within 50 miles of U.S. coastal shorelines. Great Lakes region includes St. Lawrence River]

YEAR	Conterminous U.S., total	COUNTIES IN COASTAL REGIONS					Balance of conterminous U.S.
		Total	Atlantic	Pacific	Great Lakes	Gulf of Mexico	
Land area, 1970 (1,000 sq. mi.)	2,964	468	122	118	134	94	2,496
POPULATION							
1960 (mil.)	178.5	92.7	41.7	16.8	26.4	7.8	85.7
1970 (mil.)	202.2	108.5	48.2	21.5	29.3	9.5	93.8
1980 (mil.)	225.2	116.4	50.7	25.4	29.6	12.6	106.7
1985 (mil.)	238.8	125.0	53.1	28.0	29.6	14.3	113.8
1960 (percent)	100.0	51.9	23.4	9.4	14.8	4.4	48.0
1970 (percent)	100.0	53.7	23.8	10.6	14.5	4.7	46.4
1980 (percent)	100.0	52.6	22.5	11.3	13.2	5.6	47.4
1985 (percent)	100.0	52.3	22.2	11.7	12.4	5.9	47.7

NO. 36. NUMBER OF COUNTIES AND POPULATION, 1986, BY DIVISION AND PERCENT CHANGE IN COUNTY POPULATION, 1980–1986

[Covers counties and county equivalents. For composition of division, see figure I, inside front cover]

PERCENT CHANGE IN POPULATION, 1980–1986	Total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific [1]
NUMBER OF COUNTIES										
Total	**3,138**	**67**	**150**	**437**	**618**	**591**	**364**	**470**	**281**	**160**
More than – 10.00 percent	45	–	–	3	13	3	2	9	13	2
5.00 to – 9.99 percent	281	–	7	34	154	23	15	23	21	4
2.00 to – 4.99 percent	397	4	23	84	138	47	36	38	21	6
.01 to – 1.99 percent	391	1	28	91	86	56	60	37	20	12
0 to 1.99 percent	382	10	28	71	66	67	67	42	17	14
2.00 to 4.99 percent	533	20	35	86	67	110	93	67	36	19
5.00 to 9.99 percent	528	20	24	60	57	118	66	107	47	29
10.00 to 19.99 percent	373	11	4	8	30	98	20	89	65	48
20.00 percent or more	208	1	1	–	7	69	5	58	41	26
Percent distribution:										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
More than – 10.00 percent	1.4	–	–	.7	2.1	.5	.5	1.9	4.6	1.3
5.00 to – 9.99 percent	9.0	–	4.7	7.8	24.9	3.9	4.1	4.9	7.5	2.5
2.00 to – 4.99 percent	12.7	6.0	15.3	19.2	22.3	8.0	9.9	8.1	7.5	3.8
.01 to – 1.99 percent	12.5	1.5	18.7	20.8	13.9	9.5	16.5	7.9	7.1	7.5
0 to 1.99 percent	12.2	14.9	18.7	16.2	10.7	11.3	18.4	8.9	6.0	8.8
2.00 to 4.99 percent	17.0	29.9	23.3	19.7	10.8	18.6	25.5	14.3	12.8	11.9
5.00 to 9.99 percent	16.8	29.9	16.0	13.7	9.2	20.0	18.1	22.8	16.7	18.1
10.00 to 19.99 percent	11.9	16.4	2.7	1.8	4.9	16.6	5.5	18.9	23.1	30.0
20.00 percent or more	6.6	1.5	.7	–	1.1	11.7	1.4	12.3	14.6	16.3
POPULATION, **1986** (1,000)										
Total	**241,038**	**12,737**	**37,281**	**41,739**	**17,576**	**40,914**	**15,209**	**26,861**	**12,984**	**35,737**
More than – 10.00 percent	388	–	–	61	79	34	19	44	141	9
5.00 to – 9.99 percent	10,267	–	2,847	4,071	2,154	435	233	214	122	191
2.00 to – 4.99 percent	18,597	297	4,334	7,989	2,007	2,182	764	474	196	355
.01 to – 1.99 percent	20,994	603	6,254	6,106	1,763	1,984	2,434	1,150	308	392
0 to 1.99 percent	32,199	4,417	6,237	11,714	2,997	1,988	2,486	1,082	279	1,000
2.00 to 4.99 percent	44,088	4,957	11,837	6,450	3,848	6,774	5,088	2,538	1,074	1,522
5.00 to 9.99 percent	38,658	1,281	5,086	4,433	2,405	9,181	2,634	5,299	1,264	7,076
10.00 to 19.99 percent	52,770	1,172	663	914	2,003	10,210	1,213	10,790	5,405	20,400
20.00 percent or more	23,077	11	22	–	321	8,127	338	5,270	4,196	4,792
Percent distribution:										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
More than – 10.00 percent	.2	–	–	.1	.5	.1	.1	.2	1.1	(Z)
5.00 to – 9.99 percent	4.3	–	7.6	9.8	12.3	1.1	1.5	.8	.9	.5
2.00 to – 4.99 percent	7.7	2.3	11.6	19.1	11.4	5.3	5.0	1.8	1.5	1.0
.01 to – 1.99 percent	8.7	4.7	16.8	14.6	10.0	4.8	16.0	4.3	2.4	1.1
0 to 1.99 percent	13.4	34.7	16.7	28.1	17.1	4.9	16.3	4.0	2.1	2.8
2.00 to 4.99 percent	18.3	38.9	31.8	15.5	21.9	16.6	33.5	9.4	8.3	4.3
5.00 to 9.99 percent	16.0	10.1	13.6	10.6	13.7	22.4	17.3	19.7	9.7	19.8
10.00 to 19.99 percent	21.9	9.2	1.6	2.2	11.4	25.0	8.0	40.2	41.6	57.1
20.00 percent or more	9.6	.1	.1	–	1.8	19.9	2.2	19.6	32.3	13.4

– Represents zero. Z Less than .05 percent. [1] Data for Kalawao County, Hawaii included in Maui.

Source of tables 35 and 36: U.S. Bureau of the Census, unpublished data.

Digitized by Google

No. 37. Cities, by Population Size: 1960 to 1986

[Covers incorporated places of 10,000 population or more]

Population size	Number of cities				Population (mil.)				Percent of		
	1960	1970	1980	1986	1960	1970	1980	1986	1960	1970	1
Total	**1,654**	**1,967**	**2,233**	**2,333**	**91.0**	**105.7**	**113.6**	**120.5**	**100.0**	**100.0**	1
1,000,000 or more	5	6	6	6	17.5	18.8	17.5	20.0	19.2	17.8	
500,000–1,000,000	16	20	16	15	11.1	13.0	10.9	10.0	12.2	12.3	
250,000–500,000	30	30	34	37	10.8	10.5	12.3	13.3	11.6	9.9	
100,000–250,000	79	97	116	122	11.4	13.9	16.8	17.9	12.5	13.1	
50,000–100,000	180	232	254	286	12.5	16.2	17.5	19.6	13.7	15.3	
25,000–50,000	366	455	529	563	12.7	15.7	16.4	19.4	14.0	14.9	
10,000–25,000	978	1,127	1,278	1,302	15.1	17.6	20.1	20.4	16.5	16.7	

Source: U.S. Bureau of the Census, *Census of Population: 1970* and *1980*, vol. 1; and unpublished data.

No. 38. Cities With 100,000 Inhabitants or More in 1986—Population, 1970 to 19 Land Area, 1985

[Population: 1970 and 1980, as of April 1; other years, as of July 1. Data refer to municipal limits as of January 1 1980 and as of December 31 prior to estimate date for all other years. For comments on comparability of race and 1980, see text, section 1. Minus sign (–) indicates decrease]

City	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population			Pe squa mil
	Total population [1] (1,000)	Percent Black [2]	Total population (1,000)	Percent— Black	Hispanic [3]			Total (1,000)	Rank	Percent change, 1980–1986	
Abilene, TX	90	5.6	100	6.7	12.6	106	110	112	151	12.6	1,1
Akron, OH	275	17.5	237	22.2	.6	232	227	222	68	–6.4	3,5
Albuquerque, NM	245	2.2	332	2.5	33.8	342	351	367	40	10.4	2,6
Alexandria, VA	111	14.1	103	22.3	3.9	104	107	108	162	4.5	7,7
Allentown, PA	110	1.6	104	3.1	5.1	104	104	104	170	.8	5,1
Amarillo, TX	127	5.3	149	5.5	9.2	155	163	166	96	11.1	1,1
Anaheim, CA	166	(z)	219	1.2	17.2	226	234	241	63	9.7	5,5
Anchorage, AK [4]	48	5.9	174	5.3	3.0	204	228	235	67	34.7	
Ann Arbor, MI	100	6.7	108	9.3	2.1	109	108	108	163	–.2	4,4
Arlington, TX	90	.6	162	2.9	4.1	185	216	250	61	54.3	2,2
Atlanta, GA	495	51.3	425	66.6	1.4	428	426	422	32	–.7	3,3
Aurora, CO	75	1.2	159	6.9	5.0	184	208	216	71	37.5	3,3
Austin, TX	254	11.8	373	12.2	18.7	397	426	467	27	25.2	2,2
Bakersfield, CA	70	13.3	113	10.6	15.0	116	140	150	109	32.9	1,1
Baltimore, MD	905	46.4	787	54.8	1.0	774	764	753	11	–4.3	9,4
Baton Rouge, LA	166	27.6	220	36.5	1.8	232	239	241	62	9.4	3,3
Beaumont, TX	116	30.7	118	36.6	3.5	123	123	120	139	1.5	1,1
Berkeley, CA	114	23.5	103	20.1	5.1	103	104	104	171	.8	9,8
Birmingham, AL	301	42.0	287	55.6	.6	283	280	278	55	–3.2	2,2
Boise City, ID	75	.4	102	.5	2.3	105	107	108	160	6.0	2,2
Boston, MA	641	16.3	563	22.4	6.4	561	571	574	19	1.9	12,2
Bridgeport, CT	157	16.3	143	21.0	18.7	144	142	142	117	–.5	9,8
Brownsville, TX	53	.2	85	.2	83.7	91	95	102	174	20.1	3,3
Buffalo, NY	463	20.4	358	26.6	2.7	346	339	325	48	–9.2	7,7
Cedar Rapids, IA	111	1.6	110	2.3	.9	109	109	108	161	–1.7	1,1
Charlotte, NC	241	30.3	326	31.0	1.1	335	342	352	44	7.9	2,2
Chattanooga, TN	120	35.8	170	31.7	.6	168	164	162	98	–4.3	1,1
Chesapeake, VA	90	23.1	114	27.6	.9	120	126	134	127	17.4	
Chicago, IL	3,369	32.7	3,005	39.8	14.0	2,997	2,992	3,010	3	.1	13,3
Chula Vista, CA	68	.4	106	2.0	23.4	109	113	119	141	12.6	4,4
Cincinnati, OH	454	27.6	385	33.8	.8	380	370	370	39	–4.1	4,4
Cleveland, OH	751	38.3	574	43.6	3.1	559	547	536	22	–6.6	6,6
Colorado Springs, CO	136	5.2	215	5.6	8.5	232	248	273	57	26.8	
Columbus, GA [4]	155	26.2	169	34.2	2.1	174	175	180	88	6.3	
Columbus, OH	540	18.5	565	22.1	.8	571	566	566	20	.2	
Concord, CA	85	.3	104	1.7	7.2	104	104	106	166	2.1	
Corpus Christi, TX	205	5.1	234	5.1	46.6	248	261	264	58	12.6	
Dallas, TX	844	24.9	905	29.4	12.3	944	974	1,004	6	10.9	
Dayton, OH	243	30.5	194	36.9	.9	188	181	179	89	–7.6	
Denver, CO	515	9.1	493	12.0	19.8	506	505	505	23	2.5	
Des Moines, IA	201	5.7	191	6.6	1.8	192	191	192	78	.6	
Detroit, MI	1,514	43.7	1,203	63.1	2.4	1,157	1,127	1,086	6	–9.7	
Durham, NC	95	38.8	108	47.1	.9	109	110	114	149	5.1	
Elizabeth, NJ	113	15.5	106	18.2	26.7	107	107	107	165	.3	
El Paso, TX	322	2.3	425	3.2	62.5	445	464	492	24	15.6	
Erie, PA	129	6.6	119	9.7	1.1	118	117	115	147	–3.2	
Eugene, OR	79	.6	106	1.1	2.1	104	103	105	167	–.2	
Evansville, IN	139	7.3	130	8.6	.5	130	130	129	130	–.6	
Flint, MI	193	28.1	160	41.4	2.5	154	149	146	116	–8.8	
Fort Lauderdale, FL	140	14.6	153	21.0	4.2	154	150	149	112	–3.0	

See footnotes at end of table.

Digitized by Google

NO. 38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 1986, AND LAND AREA, 1985—Continued

[See headnote, p. 32]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population				1985, land area [4] (square miles)
	Total population [1] (1,000)	Percent Black [2]	Total population (1,000)	Percent— Black	Percent— Hispanic [3]			Total (1,000)	Rank	Percent change: 1980–1986	Per square mile	
Fort Wayne, IN	178	10.6	177	14.6	2.2	173	170	173	94	−2.6	2,921	59.2
Fort Worth, TX	393	19.9	385	22.8	12.6	401	415	430	30	11.5	1,636	262.6
Fremont, CA	101	(z)	132	2.5	14.0	138	144	154	108	16.4	1,959	78.4
Fresno, CA	166	9.6	248	9.5	23.6	257	273	285	53	14.9	3,009	94.8
Fullerton, CA	86	.8	102	1.6	13.5	105	107	109	159	6.4	4,899	22.2
Garden Grove, CA	121	(z)	125	.8	13.5	128	131	135	126	8.1	7,662	17.6
Garland, TX	81	3.7	139	5.3	6.3	149	160	177	91	27.1	3,146	56.1
Gary, IN	175	52.8	152	70.8	7.1	148	143	137	122	−10.0	3,472	39.4
Glendale, AZ	36	.4	97	1.9	12.8	106	114	126	135	29.5	2,506	50.2
Glendale, CA	133	(z)	139	.3	17.8	142	147	154	107	10.5	5,022	30.6
Grand Rapids, MI	198	11.3	182	15.7	3.2	183	183	187	80	2.6	4,298	43.4
Greensboro, NC	144	28.2	170	33.0	.8	172	174	177	90	3.7	2,427	72.8
Hampton, VA	121	25.4	123	34.3	1.4	125	126	126	134	2.8	2,456	51.3
Hartford, CT	158	27.9	136	33.9	20.5	136	136	138	121	1.2	7,752	17.8
Hayward, CA	93	1.8	94	5.7	20.2	98	99	102	176	8.5	2,281	44.5
Hialeah, FL	102	1.1	145	1.5	74.3	155	152	162	100	11.4	8,338	19.4
Hollywood, FL	107	3.7	121	4.1	5.3	122	120	121	138	−.3	8,515	14.2
Honolulu, HI	325	.7	366	1.2	5.2	366	373	372	38	1.2	4,280	87.0
Houston, TX	1,234	25.7	1,611	27.6	17.6	1,744	1,724	1,729	4	7.3	3,062	564.6
Huntington Beach, CA	116	(z)	171	.7	7.9	176	179	184	83	7.7	6,751	27.2
Huntsville, AL	139	12.1	143	20.7	1.0	145	150	163	97	14.7	1,405	116.3
Independence, MO	112	.6	112	.7	1.4	112	112	113	150	1.0	1,401	80.6
Indianapolis, IN	737	18.0	701	21.6	.9	708	710	720	13	2.7	2,045	352.0
Inglewood, CA	90	11.2	94	57.3	19.2	97	99	103	172	8.9	11,522	8.9
Irving, TX	97	1.0	110	1.5	7.4	114	120	129	132	16.9	1,910	67.3
Jackson, MS	154	39.7	203	47.0	.7	204	209	208	74	2.7	1,963	106.2
Jacksonville, FL	504	22.3	541	25.4	1.8	556	578	610	17	12.7	803	759.7
Jersey City, NJ	260	21.0	224	27.7	18.6	223	223	219	70	−1.8	16,627	13.2
Kansas City, KS	168	20.4	161	25.3	4.9	162	160	162	99	.6	1,509	107.4
Kansas City, MO	507	22.1	448	27.4	3.3	445	443	441	29	−1.5	1,395	318.3
Knoxville, TN	175	12.7	175	14.6	.7	175	174	173	93	−1.5	2,205	78.4
Lakewood, CO	93	.1	114	.5	5.9	118	121	122	137	7.3	3,001	40.7
Lansing, MI	131	9.3	130	13.9	6.3	128	128	129	131	−1.1	3,654	35.3
Laredo, TX	69	.5	96	.1	93.0	105	115	117	145	21.4	5,024	23.3
Las Vegas, NV	126	11.2	165	12.6	7.8	180	183	192	79	16.3	2,850	67.2
Lexington-Fayette, KY [7]	108	17.0	204	13.3	.7	208	210	213	73	4.3	748	284.7
Lincoln, NE	150	1.5	172	2.0	1.6	177	180	183	85	6.5	3,001	61.0
Little Rock, AR	132	25.0	178	32.2	.6	179	181	181	86	1.6	1,870	96.8
Livonia, MI	110	(z)	105	.1	.9	101	100	101	161	−4.1	2,889	34.8
Long Beach, CA	359	5.3	361	11.3	14.0	371	379	396	33	9.8	7,957	49.8
Los Angeles, CA	2,812	17.9	2,969	17.0	27.5	3,022	3,097	3,259	2	9.8	8,996	465.9
Louisville, KY	362	23.8	298	28.2	.7	294	290	286	52	−4.0	4,689	61.1
Lubbock, TX	149	7.3	178	8.2	16.8	180	182	186	81	5.0	1,803	103.4
Macon, GA	122	37.3	117	44.5	.7	119	120	118	143	1.3	2,383	49.7
Madison, WI	172	1.5	171	2.7	1.3	173	171	176	92	3.1	3,162	55.6
Memphis, TN	624	38.9	646	47.6	.6	646	648	653	15	1.0	2,403	271.6
Mesa, AZ	63	1.2	162	1.2	9.1	182	206	251	60	55.2	2,739	91.8
Miami, FL	335	22.7	347	25.1	55.9	383	373	374	36	7.9	10,902	34.3
Milwaukee, WI	717	14.7	636	23.1	4.1	632	621	605	18	−4.9	6,316	95.8
Minneapolis, MN	434	4.4	371	7.7	1.3	366	358	357	43	−3.8	5,476	55.1
Mobile, AL	190	35.4	200	36.2	1.1	205	205	203	75	1.4	1,642	123.8
Modesto, CA	82	1.9	107	2.1	10.5	114	122	133	128	24.3	4,670	27.3
Montgomery, AL	133	33.4	178	39.2	.9	182	185	194	77	9.2	1,463	132.8
Nashville-Davidson, TN	426	19.6	456	23.3	.6	455	462	474	26	4.0	988	479.5
New Haven, CT	138	26.3	126	31.9	8.0	125	124	123	136	−2.1	6,532	18.9
New Orleans, LA	593	45.0	558	55.3	3.4	565	559	554	21	−.8	2,781	199.4
New York, NY	7,896	21.1	7,072	25.2	19.9	7,066	7,165	7,263	1	2.7	24,089	301.5
Bronx Borough	1,472	24.3	1,169	31.8	33.9	1,163	1,173	1,194	(x)	2.1	28,633	41.7
Brooklyn Borough	2,602	25.2	2,231	32.4	17.6	2,240	2,254	2,293	(x)	1.0	32,664	70.2
Manhattan Borough	1,539	24.7	1,428	21.7	23.5	1,423	1,456	1,478	(x)	3.5	66,577	22.2
Queens Borough	1,987	13.0	1,891	18.7	13.9	1,900	1,911	1,923	(x)	1.7	17,707	108.6
Staten Island Borough	295	5.3	352	7.3	5.4	360	371	375	(x)	6.5	6,388	58.7
Newark, NJ	382	54.2	329	58.2	18.6	321	314	316	50	−3.9	13,122	24.1
Newport News, VA	138	28.4	145	31.5	1.8	151	155	162	101	11.6	2,476	65.3
Norfolk, VA	308	28.3	267	35.2	2.3	267	280	275	56	2.9	5,185	53.0
Oakland, CA	362	34.5	339	46.9	9.6	345	352	357	42	5.2	6,623	53.9
Odessa, TX	78	5.7	90	5.6	23.2	102	109	101	178	12.4	2,892	35.0
Oklahoma City, OK	368	13.7	404	14.6	2.8	428	443	446	28	10.4	738	604.1
Omaha, NE	347	9.9	343	12.0	2.3	344	348	349	45	1.9	3,517	99.3
Ontario, CA	64	1.8	89	3.4	27.1	97	106	114	148	28.7	3,149	36.3

See footnotes at end of table.

Digitized by Google

NO. 38. CITIES WITH 100,000 INHABITANTS OR MORE IN 1986—POPULATION, 1970 TO 19[illegible] LAND AREA, 1985—Continued

[See headnote, p. 32]

CITY	1970		1980			1982, total population (1,000)	1984, total population (1,000)	1986, population			Pe... sq... mi...
	Total population [1] (1,000)	Percent Black [2]	Total population (1,000)	Percent— Black	Percent— Hispanic [3]			Total (1,000)	Rank	Percent change, 1980–1986	
Orange, CA	77	.3	91	.9	12.4	95	97	101	180	10.2	4...
Orlando, FL	99	29.5	128	30.0	3.9	134	137	146	115	13.7	2...
Oxnard, CA	71	8.0	111	6.1	44.4	118	124	127	133	14.7	5...
Pasadena, CA	113	16.1	118	20.7	18.4	121	125	130	129	10.0	5...
Pasadena, TX	90	.1	113	.8	17.0	122	119	118	144	4.9	3...
Paterson, NJ	145	26.9	138	34.1	28.7	139	139	139	119	.6	16...
Peoria, IL	127	11.5	124	18.7	1.4	122	117	110	158	−11.2	1...
Philadelphia, PA	1,949	33.8	1,688	37.8	3.8	1,665	1,647	1,643	5	−2.7	12...
Phoenix, AZ	584	4.8	790	4.8	14.8	824	853	894	10	13.1	2...
Pittsburgh, PA	520	20.2	424	24.0	.6	415	403	387	35	−8.6	8...
Plano, TX	18	4.9	72	3.3	3.5	84	93	111	155	53.5	1...
Pomona, CA	67	12.2	93	19.0	30.5	100	107	116	146	24.6	3...
Portland, OR	380	5.6	397	7.8	2.1	395	394	388	34	−2.3	3...
Portsmouth, VA	111	39.9	105	45.1	1.0	106	108	111	157	6.1	1...
Providence, RI	179	6.9	157	11.8	5.8	156	154	157	106	.3	8...
Pueblo, CO	97	2.1	102	2.1	35.5	101	100	101	177	−.4	3...
Raleigh, NC	123	22.7	156	27.4	.9	160	170	180	87	15.4	2...
Reno, NV	73	2.2	101	2.7	5.1	107	106	110	154	9.6	1...
Richmond, VA	249	42.0	219	51.3	1.0	218	219	218	72	−.7	1...
Riverside, CA	140	5.2	171	8.9	18.2	174	182	197	76	15.3	1...
Roanoke, VA	92	19.3	100	22.0	.7	100	101	102	175	1.7	1...
Rochester, NY	295	16.8	242	25.8	5.4	244	243	236	66	−2.4	1...
Rockford, IL	147	8.3	140	13.2	2.9	138	137	136	124	−2.6	1...
Sacramento, CA	257	10.7	276	13.4	14.2	289	304	324	49	17.3	1...
St. Louis, MO	622	40.9	453	45.6	1.2	437	429	426	31	−5.9	1...
St. Paul, MN	310	3.5	270	4.9	2.9	270	266	264	59	−2.4	1...
St. Petersburg, FL	216	14.6	239	17.2	1.8	241	241	239	64	.3	1...
Salt Lake City, UT	176	1.2	163	1.5	7.6	164	165	158	104	−2.6	1...
San Antonio, TX	654	7.8	610	7.3	53.7	844	869	914	9	12.6	1...
San Bernardino, CA	107	14.0	120	14.9	25.4	126	132	139	120	15.4	2...
San Diego, CA	697	7.6	878	8.9	14.9	916	960	1,015	7	16.0	3...
San Francisco, CA	716	13.4	679	12.7	12.3	692	713	749	12	10.3	16...
San Jose, CA	460	2.5	629	4.6	22.3	659	686	712	14	13.1	4...
Santa Ana, CA	156	4.3	204	4.0	44.5	217	225	237	65	16.1	6...
Savannah, GA	118	44.9	142	49.0	1.3	148	145	147	114	3.6	1...
Scottsdale, AZ	68	.2	89	.4	3.1	94	99	111	154	25.4	1...
Seattle, WA	531	7.1	494	9.5	2.6	490	488	486	25	−1.5	1...
Shreveport, LA	182	34.1	207	41.1	1.3	212	221	220	69	6.5	1...
South Bend, IN	126	14.1	110	18.3	2.4	108	107	107	164	−2.3	1...
Spokane, WA	171	1.3	171	1.6	1.5	172	173	173	95	.9	1...
Springfield, IL	92	8.2	100	10.6	.7	100	102	100	182	.3	3...
Springfield, MA	164	12.6	152	16.8	9.1	152	150	149	111	−1.9	4...
Springfield, MO	120	2.0	133	2.1	.7	134	137	139	116	4.7	2...
Stamford, CT	109	12.3	102	15.0	5.6	104	102	101	179	−1.4	3...
Sterling Heights, MI	61	.1	109	.2	.9	108	109	112	153	2.7	4...
Stockton, CA	110	11.0	150	10.4	22.1	162	171	183	84	22.7	4...
Sunnyvale, CA	96	.8	107	2.4	11.5	107	111	112	152	5.2	4...
Syracuse, NY	197	10.6	170	15.7	1.7	166	164	161	102	−5.5	1...
Tacoma, WA	154	6.8	159	9.2	2.4	161	159	159	103	.3	1...
Tallahassee, FL	73	25.1	106	31.8	1.8	108	113	119	140	12.5	3...
Tampa, FL	276	19.7	272	23.5	13.3	276	275	278	54	2.2	1...
Tempe, AZ	64	.7	107	1.8	6.2	113	116	136	123	27.6	13...
Toledo, OH	383	13.8	355	17.4	3.0	351	344	341	46	−3.9	4...
Topeka, KS	125	6.4	119	9.5	4.6	120	119	119	142	−.1	1...
Torrance, CA	135	(z)	130	.7	6.3	130	133	136	125	4.4	6...
Tucson, AZ	263	3.5	339	3.7	24.9	355	367	359	41	6.0	22...
Tulsa, OK	330	10.6	361	11.8	1.7	375	375	374	37	3.6	2...
Virginia Beach, VA	172	9.1	262	10.0	2.0	283	309	333	47	27.2	1...
Waco, TX	95	19.9	101	21.6	11.1	102	104	105	168	3.9	1...
Warren, MI	179	(z)	161	.2	.9	156	152	150	110	−7.0	4...
Washington, DC	757	71.1	638	70.3	2.8	633	623	626	16	−1.9	9...
Waterbury, CT	108	10.1	103	11.6	6.7	103	103	102	173	−.9	3...
Wichita, KS	277	9.7	281	10.8	3.5	290	284	289	51	2.9	2...
Winston-Salem, NC	134	34.3	143	40.2	.8	145	148	148	113	3.6	2...
Worcester, MA	177	1.9	162	2.9	4.3	181	180	158	105	−2.5	4...
Yonkers, NY	204	6.4	195	10.5	6.7	192	191	186	82	−4.7	10...
Youngstown, OH	141	25.2	116	33.3	3.3	111	108	105	169	−9.4	3...

X Not applicable. Z Less than .05 percent. [1] 1970 population totals include corrections made after ta... completed. [2] Based on uncorrected tabulated data. [3] Hispanic persons may be of any race. [4] As of ... Reflects estimates of areas annexed or detached since January 1, 1980 as provided by the municipalities. The ... Census cannot verify, and is not responsible for, the accuracy of these data. [5] Anchorage city consolidated w... Borough September 15, 1975. [6] Columbus and the unincorporated balance of Muscogee County consolidated ... 1971. [7] Lexington and Fayette County consolidated January 1, 1974.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. I, chapters A and B; *1980 Census of Popu...* chapters A and B; press release (CB 87-165) (revised 11-04-87) and unpublished data.

01/13/2005 Ackerman, Scale HM Pg 300925

Digitized by Google

No. 39. Population 65 Years Old and Over, and Societal Support Ratios: 1960 to 1986

[In millions, except as indicated. As of July. Includes Armed Forces overseas. The support ratio is the number of elderly persons of a specified age per 100 persons defined by age or work status]

AGE GROUP	1960	1970	1980	1986	SUPPORT RATIO	1960	1970	1980	1986
Persons 65 years and over	16.7	20.1	25.7	29.2	Persons, 65 years old and over, per 100 persons, 18–64 years old	17	17	19	20
Percent of all ages	9.2	9.8	11.3	12.1	Persons, 60 years old and over, per 100 persons, 20–59 years old	27	29	30	31
65–69 years	6.3	7.0	8.8	9.7	Nonworkers, 65 years old and over, per 100 workers, 18–64 years old [1]	21	22	23	22
70–74 years	4.8	5.5	6.8	7.7	Nonworkers, 60 years old and over, per 100 workers, 20–59 years old [1]	28	30	31	30
75–79 years	3.1	3.9	4.8	5.6					
80–84 years	1.6	2.3	3.0	3.4					
85 years and over	.9	1.4	2.3	2.8					

[1] Nonworkers are persons not in labor force and workers are persons in civilian labor force. Labor force data are monthly averages based on the Current Population Survey; see text, section 1. Data from U.S. Bureau of Labor Statistics.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–25, No. 1000 and earlier reports; and unpublished data.

No. 40. Persons 65 Years Old and Over—Characteristics, by Sex: 1960 to 1986

CHARACTERISTIC	MALE					FEMALE				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
Total [1] [2] (million)	7.5	8.3	9.8	11.0	11.3	9.0	11.5	14.2	15.8	16.1
Percent of total population	8.6	8.5	9.2	9.7	9.9	9.9	11.1	12.4	13.1	13.2
White [1] (million)	6.9	7.8	9.0	9.9	10.2	8.4	10.8	12.9	14.3	14.5
Black [1] (million)	.5	.7	.8	.9	.9	.6	.9	1.2	1.3	1.4
Age: [3]										
65–69 years (percent)	3.3	3.2	3.5	3.7	3.7	3.7	3.7	4.2	4.2	4.3
70–74 years (percent)	2.5	2.3	2.6	2.6	2.6	2.8	3.0	3.4	3.6	3.6
75–79 years (percent)	1.6	1.6	1.7	1.9	1.9	1.9	2.2	2.5	2.7	2.8
80 years and over (percent)	1.2	1.4	1.6	1.7	1.7	1.6	2.3	3.0	3.4	3.4
Percent below poverty level: [1] [4]										
Family householders	29.7	18.8	8.4	8.0	(NA)	31.5	23.5	13.0	13.0	(NA)
Unrelated individuals	58.5	40.0	25.3	20.8	(NA)	69.1	49.9	30.5	25.9	(NA)
PERCENT DISTRIBUTION										
Marital status: [1]										
Single	7.3	7.5	4.9	5.3	5.1	8.5	7.7	5.9	5.1	5.2
Married	71.7	73.1	78.0	77.2	77.2	36.8	35.6	39.5	39.9	40.0
Spouse present	69.0	69.9	76.1	75.0	75.3	35.0	33.9	37.9	38.3	38.3
Spouse absent	2.7	3.2	1.9	2.2	1.9	1.8	1.7	1.7	1.6	1.7
Widowed	19.4	17.1	13.5	13.6	13.7	53.1	54.4	51.2	50.7	50.5
Divorced	1.7	2.3	3.6	3.7	4.0	1.5	2.3	3.4	4.3	4.4
Family status: [1]										
In families	82.3	79.2	[5] 83.0	[5] 82.4	[5] 82.6	67.7	58.5	[5] 56.8	[5] 56.7	[5] 56.6
Nonfamily householders	12.8	14.9	15.7	15.4	15.6	26.8	35.2	42.0	42.1	42.2
Secondary individuals	2.4	2.4	1.3	2.2	1.8	3.0	1.9	1.1	1.1	1.2
Residents of institutions [1]	2.5	3.6	(NA)	(NA)	(NA)	2.4	4.4	(NA)	(NA)	(NA)
Living arrangements: [1]										
Living in household	97.4	95.5	99.9	99.5	99.5	97.0	95.0	99.7	99.6	99.6
Living alone	(NA)	14.1	14.9	14.7	14.9	(NA)	33.8	41.0	41.1	41.3
Spouse present	[6] 73.2	69.9	76.1	75.0	75.3	[6] 36.9	33.9	37.9	38.3	38.3
Living with someone else	(NA)	11.5	8.9	9.8	9.3	(NA)	27.4	20.8	20.2	19.9
Not in household [1] [7]	2.6	4.5	.1	.5	.5	3.0	5.0	.3	.4	.4
Years of school completed:										
8 years or less	72.5	61.5	45.3	37.2	35.8	66.4	56.1	41.6	34.1	33.2
1–3 years of high school	10.4	12.8	15.5	15.7	15.5	12.8	13.9	16.7	17.0	17.2
4 years of high school	7.8	12.5	21.4	26.4	26.9	11.8	18.1	25.8	30.7	31.8
1–3 years of college	4.9	5.8	7.5	9.1	9.8	6.1	6.7	8.8	10.3	10.3
4 years or more of college	4.3	7.9	10.3	11.5	12.4	3.2	5.2	7.4	8.0	7.5
Labor force participation: [8]										
Employed	31.7	25.9	18.4	15.3	15.4	10.5	9.4	7.8	7.0	7.2
Unemployed	1.4	.9	.6	.5	.5	.3	.3	.3	.2	.2
Not in labor force	66.9	73.2	81.0	84.2	84.0	89.2	90.3	91.9	92.7	92.6

NA Not available. [1] Civilian population as of March. Beginning 1980, excludes institutional population. [2] Includes other races, not shown separately. [3] Estimated total resident population as of July 1. [4] Poverty status based on income in preceding year. [5] Excludes those living in unrelated subfamilies. [6] Includes a small number of "spouse present" in group quarters. [7] In institutions (1960 and 1970) and other group quarters. [8] Annual averages of monthly figures. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418 and earlier reports; series P–23, Nos. 57 and 59; series P–25, No. 1000; and series P–60, No. 156 and earlier reports; and unpublished data.

Digitized by Google

192-073 O - 88 - 3 : QL 3

No. 41. Persons 65 Years Old and Over—Family Characteristics by Living Arrangements: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 42, 174, 175, and 596]

ITEM	Total	LIVING—	
		Alone	With others
Total (1,000)	**26,433**	**8,397**	**18,036**
PERCENT DISTRIBUTION			
Total	**100.0**	**100.0**	**100.0**
Number of living children:			
None	18.7	26.9	15.0
One	17.7	19.3	17.0
Two	24.7	22.6	25.6
Three	15.4	13.5	16.4
Four or more	23.4	17.7	26.1
Number of living siblings:			
None	20.8	25.0	18.5
One	21.5	23.6	20.6
Two	18.7	16.7	19.8
Three	13.6	12.5	14.4
Four or more	25.4	22.2	26.9
Living children or siblings:			
Neither	4.6	7.8	3.2
Children only	15.9	17.2	15.3
Siblings only	14.1	19.1	11.8
Both	65.3	55.9	69.7

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

No. 42. Persons 65 Years Old and Over With Children Who Do Not Live in the Same Household—Contacts: 1984

[In percent, except as indicated. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Excludes 4 million persons 65 years old and over living with their children. Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 174, 175, and 596]

FREQUENCY OF CONTACT	Total	AGE GROUP				LIVING—	
		65–74 years old	75 years old and over	75–84 years old	85 years old and over	Alone	With others
Total (1,000)	**17,526**	**11,284**	**6,243**	**5,234**	**1,009**	**6,142**	**11,384**
PERCENT DISTRIBUTION							
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Frequency of seeing or talking with child:							
Daily	41.4	39.8	44.3	42.6	53.2	44.5	39.8
2 or more times per week	21.3	22.6	19.1	19.2	18.5	20.7	21.6
Weekly	20.2	20.1	20.3	21.5	14.2	18.3	21.2
2 or more times per month	6.6	6.8	6.2	6.3	5.9	5.4	7.2
Monthly	5.0	5.2	4.6	5.0	2.9	4.7	5.1
Less than monthly [1]	5.5	5.6	5.4	5.5	5.3	6.3	5.1
Frequency of seeing child:							
Daily	22.6	21.5	24.6	23.7	29.5	24.0	21.8
2 or more times per week	17.7	17.7	17.7	17.1	20.9	19.9	16.5
Weekly	21.3	21.5	21.0	21.0	21.3	20.2	21.9
2 or more times per month	8.0	8.5	7.1	7.3	6.1	7.7	8.2
Monthly	7.9	7.8	8.5	8.9	6.5	7.5	8.2
Less than monthly [1]	22.4	23.2	21.0	22.1	15.8	20.7	23.3
Frequency of talking with child:							
Daily	33.5	32.6	35.2	33.8	42.5	36.4	32.0
2 or more times per week	20.9	22.1	18.7	18.9	17.7	20.2	21.3
Weekly	21.9	21.8	22.2	23.4	15.7	20.1	23.0
2 or more times per month	7.8	8.0	7.4	7.5	6.7	6.3	8.5
Monthly	6.8	7.3	5.9	6.5	2.9	6.0	7.3
Less than monthly [1]	9.1	8.2	10.5	9.8	14.4	11.1	7.9
Time for child to get to parent:							
Within 10 minutes	25.6	24.6	27.2	26.8	29.6	26.2	25.2
10–29 minutes	28.6	28.5	28.6	27.8	32.9	30.5	27.5
30–59 minutes	11.6	11.8	11.3	10.9	13.3	12.2	11.3
1–2 hours	13.2	13.7	12.2	13.0	8.6	12.4	13.7
3–23 hours	13.8	14.0	13.4	14.2	9.3	12.5	14.4
More than a day [1]	7.3	7.3	7.1	7.3	6.3	6.3	7.8

[1] Includes unknown and other responses, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey.

Digitized by Google

No. 43. Social and Economic Characteristics of the White, Black, and Hispanic Populations: 1986

[As of **March**, except **labor force status, annual average.** Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1, and Appendix III]

Characteristic	Number (1,000)						Percent distribution					
	Total population [1]	White	Black	Hispanic [2]			Total population [1]	White	Black	Hispanic [2]		
				Total [2]	Mexican	Puerto Rican				Total [2]	Mexican	Puerto Rican
Total persons	**236,749**	**201,019**	**28,538**	**18,091**	**11,200**	**2,340**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 5 years old	18,122	14,742	2,724	1,967	1,376	256	7.7	7.3	9.5	10.9	12.3	11.0
5–14 years old	33,800	27,314	5,242	3,527	2,323	521	14.3	13.6	18.4	19.5	20.7	22.3
15–44 years old	112,782	95,268	13,845	9,253	5,726	1,178	47.6	47.4	48.5	51.1	51.1	50.3
45–64 years old	44,723	39,064	4,452	2,429	1,293	310	18.9	19.4	15.6	13.4	11.6	13.2
65 years old and over	27,321	24,629	2,273	915	481	75	11.5	12.3	8.0	5.1	4.3	3.2
YEARS OF SCHOOL COMPLETED												
Persons 25 years old and over	**148,606**	**127,289**	**15,234**	**9,030**	**5,178**	**1,113**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Elementary: 0–8 years	19,566	15,967	2,929	3,327	2,151	370	13.3	12.5	19.2	36.8	41.6	33.3
High school: 1–3 years	17,484	14,382	2,811	1,326	780	244	11.9	11.3	18.5	14.7	15.1	22.0
4 years	56,338	49,860	5,422	2,566	1,399	279	38.4	39.0	35.6	28.4	27.0	25.0
College: 1–3 years	24,729	21,708	2,406	1,051	565	125	16.9	17.1	15.8	11.6	10.9	11.3
4 years or more	28,489	25,551	1,666	760	281	94	19.4	20.1	10.9	8.4	5.4	8.4
LABOR FORCE STATUS												
Civilians 16 years old and over	**180,587**	**155,432**	**19,989**	**12,344**	**7,377**	**1,494**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Civilian labor force	117,834	101,801	12,654	8,076	4,941	804	65.3	65.5	63.3	65.4	67.0	53.8
Employed	109,597	95,860	10,814	7,219	4,387	691	60.7	61.5	54.1	58.5	59.5	46.3
Unemployed	8,237	6,140	1,840	857	555	113	4.6	4.0	9.2	6.9	7.5	7.6
Unemployment rate [4]	7.0	6.0	14.5	10.6	11.2	14.0	(x)	(x)	(x)	(x)	(x)	(x)
Not in labor force	62,752	53,631	7,335	4,268	2,436	690	34.7	34.5	36.7	34.6	33.0	46.2
FAMILY TYPE												
Total families	**63,558**	**54,991**	**6,921**	**4,206**	**2,494**	**594**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
With own children [5]	31,670	26,575	4,059	2,755	1,716	426	49.8	48.3	58.6	65.5	68.8	71.7
Married couple	50,933	45,924	3,680	2,962	1,881	300	80.1	83.5	53.2	70.4	75.4	50.5
With own children [5]	24,830	21,756	1,997	1,987	1,349	200	38.8	39.6	28.9	47.2	54.1	33.7
Female householder, no spouse present	10,211	7,111	2,874	980	460	271	16.1	12.9	41.5	23.3	18.4	45.6
With own children [5]	6,105	4,040	1,934	684	311	220	9.6	7.3	27.9	16.3	12.5	37.0
Male householder, no spouse present	2,414	1,956	368	264	152	22	3.8	3.6	5.3	6.3	6.1	3.7
With own children [5]	935	778	129	85	55	6	1.5	1.4	1.9	2.0	2.2	1.0
FAMILY INCOME, 1985												
Total families	**63,558**	**54,991**	**6,921**	**4,206**	**2,494**	**594**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than $5,000	3,060	2,054	934	350	165	100	4.8	3.7	13.5	8.3	6.6	16.8
$5,000–$9,999	5,429	4,090	1,187	712	402	150	8.5	7.5	17.1	17.0	16.2	25.3
$10,000–$14,999	6,495	5,332	990	626	408	76	10.2	9.7	14.3	14.9	16.4	12.7
$15,000–$24,999	13,205	11,367	1,517	984	616	132	20.8	20.7	22.0	23.4	24.7	21.9
$25,000–$34,999	11,812	10,551	993	673	431	61	18.6	19.2	14.3	16.0	17.4	10.2
$35,000–$49,999	11,940	10,810	815	524	297	45	18.8	19.7	11.8	12.5	11.9	7.7
$50,000 or more	11,618	10,786	484	339	176	32	18.3	19.6	7.0	8.1	7.0	5.5
Median income (dol.) [6]	27,735	29,152	16,786	19,027	19,400	12,885	(x)	(x)	(x)	(x)	(x)	(x)
Persons below poverty level [7]	33,064	22,860	8,926	5,236	3,220	1,011	14.0	11.4	31.3	29.0	28.8	43.3
HOUSING TENURE												
Total occupied units	**88,458**	**76,576**	**9,797**	**5,213**	(NA)	(NA)	**100.0**	**100.0**	**100.0**	**100.0**	(NA)	(NA)
Owner-occupied	56,408	51,017	4,381	2,115	(NA)	(NA)	63.8	66.6	44.5	40.6	(NA)	(NA)
Renter-occupied	32,050	25,559	5,436	3,098	(NA)	(NA)	36.2	33.4	55.5	59.4	(NA)	(NA)

NA Not available. X Not applicable. [1] Includes other races and persons not of Hispanic origin, not shown separately. [2] Hispanic persons may be of any race. [3] Includes other Hispanic subgroups not shown separately. [4] Total unemployment as percent of civilian labor force. [5] Children under 18 years old. [6] For definition of median, see Guide to Tabular Presentation. [7] For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, P-60, No. 154 and P-20, No. 416. Labor force data are published by U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1987.

Digitized by Google

NO. 44. NATIVE AND FOREIGN-BORN POPULATION, BY PLACE OF BIRTH: 1920 TO 1980

[In thousands, except percent. 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 15-percent sample. 1980 data are based on a sample from the 1980 census; see text, section 1. See source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series C 1–10]

YEAR	Total population	NATIVE POPULATION							FOREIGN-BORN	
		Total	Born in State of residence	Born in other States		State of birth not reported	Born in outlying areas [1]	Born abroad or at sea of American parents	Number	Percent of total population
				Number	Percent of native population					
1920	106,022	[2] 92,001	71,071	20,274	22.1	314	38	93	14,020	13.2
1930	123,203	[2] 108,919	82,678	25,388	23.4	238	136	131	14,283	11.6
1940	132,165	[2] 120,506	92,610	26,906	22.4	280	157	122	11,657	8.8
1950	150,845	[3] 140,413	102,788	35,284	25.2	1,370	330	96	10,431	6.9
1960	179,326	169,586	119,293	44,691	26.4	4,541	660	402	9,738	5.4
1970	203,210	193,591	131,716	50,639	26.2	8,973	891	1,370	9,619	4.7
1980	226,546	212,466	144,871	65,452	30.8	(X)	1,088	1,055	14,080	6.2

[1] 1920–1950, includes Alaska and Hawaii. Includes Puerto Rico. [2] Includes some persons born abroad of American parents, not shown separately. [3] Place of birth was allocated to those who did not report.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. II, part 2A; *1970*, vol. I, parts C and D; *1980 Census of Population*, vol. 1, chapter C (PC80–1–C) and chapter D (PC80–1–D).

NO. 45. FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH—SELECTED CHARACTERISTICS: 1980

[In percent, except as indicated. As of April 1. Based on a sample and subject to sampling variability, see text, section 1, and Appendix III]

COUNTRY OF BIRTH	Foreign-born persons (1,000)	YEAR OF IMMIGRATION				Not a citizen	EDUCATION [1]		OCCUPATION OF EMPLOYED PERSONS [2]	
		1975–1980	1970–1974	1960–1969	Before 1960		High school graduates	College graduates [3]	Professional specialty	Service occupations
Total [4]	**14,079.9**	**23.7**	**15.8**	**22.3**	**38.2**	**49.5**	**53.1**	**15.8**	**12.0**	**16.1**
Europe [4]	**4,743.3**	**8.1**	**7.5**	**19.1**	**65.2**	**27.7**	**51.4**	**12.3**	**12.5**	**14.7**
Austria	145.6	2.7	1.8	7.6	87.9	13.0	50.2	15.1	19.8	11.6
Czechoslovakia	112.7	3.3	4.3	15.0	77.4	12.6	47.7	14.7	16.0	12.3
England	442.5	14.3	7.6	22.0	56.1	42.0	74.6	16.4	17.4	12.2
France	120.2	13.9	7.2	23.9	55.0	35.9	74.3	22.6	17.2	17.9
Germany	849.4	6.2	4.4	20.6	68.8	21.4	67.3	14.9	13.4	14.1
Greece	211.0	12.9	19.1	27.7	40.3	95.0	40.4	9.5	8.0	25.0
Hungary	144.4	3.8	4.5	10.8	81.0	14.0	53.4	16.6	17.3	10.9
Ireland	197.8	3.7	3.6	14.5	78.1	18.8	52.1	8.8	14.5	21.7
Italy	831.9	4.0	6.1	18.2	69.8	22.6	28.6	5.3	6.1	16.3
Netherlands	103.1	8.3	4.4	21.2	66.1	31.8	67.6	20.3	15.7	11.1
Norway	83.4	6.0	2.3	9.5	82.2	22.2	48.6	11.8	16.4	11.9
Poland	418.1	6.0	5.0	14.5	74.5	22.2	40.5	10.0	10.6	13.5
Portugal [5]	211.6	21.7	23.3	34.0	21.0	61.6	22.3	3.3	2.3	10.0
Romania	67.0	17.0	10.2	16.8	56.0	26.6	53.2	19.0	18.8	12.3
Scotland	142.0	5.9	4.2	17.6	72.2	28.6	68.0	9.6	12.1	14.2
Spain	73.7	17.0	17.9	34.4	30.6	50.9	46.9	12.7	14.1	18.4
Sweden	77.2	7.9	2.8	8.8	80.5	23.2	48.0	11.9	19.0	12.6
Yugoslavia	153.0	7.4	16.2	23.9	52.5	32.4	41.1	10.2	8.4	18.1
Soviet Union	**406.0**	**21.1**	**3.2**	**5.3**	**70.4**	**27.4**	**47.2**	**15.7**	**15.9**	**13.2**
Asia [4]	**2,539.8**	**47.0**	**22.4**	**18.1**	**12.5**	**65.2**	**73.0**	**35.9**	**20.3**	**16.2**
China: Mainland	286.1	27.2	20.3	27.3	25.2	49.7	60.0	29.5	16.8	24.4
Taiwan	75.4	54.6	26.5	17.0	1.9	71.1	89.1	59.8	30.4	13.7
Hong Kong	80.4	34.9	27.6	30.9	6.6	61.7	80.3	42.7	19.1	18.6
India	206.1	43.7	33.1	19.3	3.9	76.0	86.9	66.2	42.6	5.3
Iran	121.5	71.9	12.7	9.7	5.7	85.4	87.1	42.8	25.9	14.4
Israel	67.0	34.1	18.9	25.0	22.0	48.2	78.8	34.9	24.9	6.8
Japan	221.8	31.6	13.6	22.7	32.1	56.7	78.0	24.4	13.6	20.8
Korea	289.9	52.3	31.6	13.0	3.1	65.4	77.8	34.2	14.7	17.0
Philippines	501.4	34.4	29.2	22.6	13.8	55.3	74.0	41.8	20.1	16.2
Vietnam	231.1	90.5	7.1	2.1	.2	86.9	62.1	12.9	8.8	16.4
Canada	**842.9**	**9.8**	**5.4**	**20.1**	**64.7**	**39.0**	**61.8**	**14.3**	**16.2**	**11.4**
Central America [4]	**2,553.1**	**33.7**	**24.5**	**22.5**	**19.4**	**75.8**	**26.1**	**4.1**	**3.0**	**18.0**
El Salvador	94.4	51.3	25.9	16.8	6.1	85.7	41.4	6.5	2.6	31.7
Mexico	2,199.2	33.0	24.7	21.9	20.3	76.4	21.3	3.0	2.5	16.6
Caribbean [4]	**1,259.4**	**18.6**	**24.1**	**45.5**	**11.9**	**61.1**	**55.3**	**13.1**	**8.8**	**18.8**
Cuba	607.8	6.3	20.5	60.4	12.8	54.9	54.9	16.1	9.2	12.2
Dominican Republic	169.1	31.0	25.8	37.2	6.1	74.5	30.1	4.3	3.1	18.5
Haiti	92.4	33.6	31.0	30.8	4.6	73.9	64.4	13.4	8.0	27.4
Jamaica	196.8	30.6	28.0	29.8	11.6	63.7	63.5	11.0	10.2	29.9
Trinidad and Tobago	65.9	27.6	34.2	30.7	7.4	70.7	70.3	12.4	10.3	23.3
South America [4]	**561.0**	**32.8**	**23.6**	**33.0**	**10.7**	**71.1**	**66.0**	**18.4**	**11.1**	**16.2**
Argentina	68.9	25.3	17.9	40.3	16.5	61.2	70.9	24.2	16.3	13.1
Colombia	143.5	29.6	25.4	37.1	7.9	75.1	62.8	14.6	8.1	15.8
Ecuador	86.1	25.5	27.7	39.2	7.6	75.3	56.0	9.3	5.3	14.7

[1] For persons 25 years old and over. [2] Completed 4 years or more of college. [3] For persons 16 years old and over. [4] Includes areas not shown separately. [5] Includes persons born in Azores.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, chapter D (PC80–1–D) and unpublished data.

Digitized by Google

No. 46. Marital Status of the Population, by Sex: 1970 to 1986

[In millions, except percent. As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160–171, for decennial data]

MARITAL STATUS AND SEX	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	132.5	143.2	146.3	150.7	153.3	159.5	162.1	164.7	167.1	169.5	171.4	173.7
Single	21.4	25.1	27.5	29.1	30.6	32.9	33.2	34.4	35.9	36.9	36.9	37.6
Married	95.0	99.7	100.8	101.0	101.5	104.6	105.3	106.2	106.7	107.1	107.9	109.2
Widowed	11.6	11.9	11.9	12.0	12.4	12.7	12.8	12.7	12.8	13.2	13.5	13.4
Divorced	4.3	6.5	8.0	8.6	8.8	9.9	10.8	11.5	11.6	12.3	13.1	13.5
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	16.2	17.5	18.5	19.3	20.0	20.3	20.5	20.9	21.5	21.8	21.5	21.8
Married	71.7	69.6	68.0	67.0	66.2	65.5	64.9	64.5	63.9	63.2	63.0	62.9
Widowed	8.9	8.3	8.0	8.0	8.1	8.0	7.9	7.7	7.7	7.8	7.9	7.7
Divorced	3.2	4.6	5.4	5.7	5.8	6.2	6.7	7.0	6.9	7.3	7.6	7.6
Males, total	62.5	67.9	70.3	71.5	72.7	75.7	76.9	78.1	79.3	80.5	81.5	82.8
Single	11.8	14.1	15.4	16.1	17.0	18.0	18.4	19.1	19.9	20.5	20.5	20.9
Married	47.1	49.4	49.9	50.1	50.3	51.8	52.1	52.5	52.9	53.0	53.5	54.3
Widowed	2.1	1.8	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.1	2.1	2.2
Divorced	1.6	2.5	3.2	3.4	3.5	3.9	4.4	4.6	4.6	4.9	5.3	5.5
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	18.9	20.8	21.9	22.5	23.3	23.8	23.9	24.5	25.1	25.5	25.2	25.3
Married	75.3	72.8	70.9	70.1	69.2	68.4	67.8	67.2	66.8	65.8	65.7	65.5
Widowed	3.3	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.4	2.6	2.6	2.6
Divorced	2.5	3.7	4.5	4.7	4.8	5.2	5.7	5.9	5.8	6.1	6.5	6.6
Percent standardized for age: [1]												
Single	16.5	18.6	17.2	17.9	18.6	18.7	18.9	19.5	20.1	20.8	21.1	21.5
Married	77.6	76.6	75.1	74.3	73.5	72.9	72.3	71.7	71.0	70.0	69.4	68.8
Widowed	3.3	2.8	2.6	2.8	2.8	2.7	2.7	2.5	2.5	2.6	2.7	2.7
Divorced	2.6	4.0	4.8	5.0	5.1	5.6	6.2	6.4	6.3	6.5	6.9	7.0
Females, total	70.0	75.3	77.9	79.3	80.6	83.8	85.2	86.6	87.7	88.9	89.9	90.9
Single	9.6	11.0	12.2	13.0	13.6	14.3	14.8	15.3	16.0	16.4	16.4	16.6
Married	47.9	50.3	50.9	50.9	51.2	52.8	53.2	53.6	53.8	54.1	54.4	54.9
Widowed	9.7	10.1	10.0	10.1	10.4	10.8	10.8	10.8	10.9	11.1	11.4	11.3
Divorced	2.7	4.0	4.9	5.3	5.4	6.0	6.4	6.9	7.0	7.4	7.8	8.1
Percent of total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Single	13.7	14.6	15.6	16.4	16.9	17.1	17.4	17.6	18.3	18.4	18.2	18.3
Married	68.5	66.7	65.3	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5
Widowed	13.9	13.4	12.9	12.7	13.0	12.8	12.7	12.5	12.4	12.5	12.6	12.4
Divorced	3.9	5.3	6.2	6.6	6.8	7.1	7.6	8.0	7.9	8.3	8.7	8.9
Percent standardized for age: [1]												
Single	12.1	12.4	13.1	13.8	14.3	14.5	14.8	15.1	15.9	16.2	16.3	16.7
Married	70.8	69.2	68.0	67.0	66.3	65.9	65.3	64.7	64.1	63.4	62.8	62.5
Widowed	13.0	12.8	12.2	12.1	12.3	12.1	11.9	11.6	11.5	11.4	11.6	11.3
Divorced	4.1	5.6	6.7	7.1	7.1	7.6	8.1	8.5	8.5	8.9	9.3	9.5

[1] 1960 age distribution used as standard; standardization improves comparability over time by removing effects of changes in age distribution of population.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418, and earlier reports.

No. 47. Percent Married and Divorced of the Population, by Sex and Race: 1970 to 1986

[As of March. Persons 18 years old and over. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey, see text, section 1 and Appendix III]

SEX AND RACE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Percent married:												
Male [1]	75.3	72.8	70.9	70.1	69.2	68.4	67.8	67.2	66.6	65.8	65.7	65.5
White	78.1	73.9	72.3	71.7	70.7	70.0	69.6	69.0	68.3	67.7	67.6	67.2
Black	66.9	62.7	59.6	57.8	55.7	54.8	53.5	53.1	52.2	50.6	50.7	51.7
Female [1]	68.5	66.7	65.3	64.2	63.5	63.0	62.4	61.9	61.4	60.8	60.4	60.5
White	69.3	68.0	66.7	65.9	65.2	64.7	64.1	63.7	63.3	62.8	62.7	62.4
Black	61.7	55.5	53.5	50.3	49.0	48.7	48.1	47.3	45.7	44.5	42.7	44.5
Percent divorced:												
Male [1]	2.5	3.7	4.5	4.7	4.8	5.2	5.7	5.9	5.8	6.1	6.5	6.6
White	2.4	3.6	4.4	4.5	4.5	5.0	5.5	5.7	5.7	6.0	6.4	6.6
Black	3.6	5.1	5.4	6.9	7.2	7.0	8.1	8.1	7.4	7.0	7.6	7.4
Female [1]	3.9	5.3	6.2	6.6	6.6	7.1	7.6	8.0	7.9	8.3	8.7	8.9
White	3.8	5.0	6.0	6.3	6.4	6.8	7.2	7.8	7.6	8.0	8.5	8.8
Black	5.0	7.5	8.8	9.3	8.9	9.5	10.3	9.6	10.5	11.0	11.0	11.6

[1] Includes other races, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418, and earlier reports.

Digitized by Google

No. 48. Marital Status of the Population, by Sex and Age: 1986

[As of **March. Persons 18 years old and over.** Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series A 160–171, for decennial census data]

Sex and age	Number of persons (1,000)					Percent distribution				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Male	**82,827**	**20,945**	**54,259**	**2,167**	**5,457**	**100.0**	**25.3**	**65.5**	**2.6**	**6.6**
18–19 years	3,536	3,403	131	–	3	100.0	96.2	3.7	–	.1
20–24 years	9,788	7,386	2,257	18	126	100.0	75.5	23.1	.2	1.3
25–29 years	10,751	4,455	5,728	11	556	100.0	41.4	53.3	.1	5.2
30–34 years	10,205	2,261	7,032	13	900	100.0	22.2	68.9	.1	8.8
35–39 years	9,034	1,017	7,043	37	936	100.0	11.3	78.0	.4	10.4
40–44 years	6,921	586	5,502	24	810	100.0	8.5	79.5	.3	11.7
45–54 years	10,970	650	9,198	157	964	100.0	5.9	83.8	1.4	8.8
55–64 years	10,350	608	8,662	368	713	100.0	5.9	83.7	3.6	8.9
65–74 years	7,440	388	6,030	680	342	100.0	5.2	81.0	9.1	4.6
75 years old and over	3,832	190	2,676	861	105	100.0	5.0	69.8	22.5	2.7
Female	**90,891**	**16,605**	**54,945**	**11,250**	**8,091**	**100.0**	**18.3**	**60.5**	**12.4**	**8.9**
18–19 years	3,627	3,206	398	–	24	100.0	88.4	11.0	–	.7
20–24 years	10,160	5,880	3,954	18	310	100.0	57.9	38.9	.2	3.1
25–29 years	10,868	3,053	6,929	55	830	100.0	28.1	63.8	.5	7.6
30–34 years	10,229	1,451	7,517	83	1,176	100.0	14.2	73.5	.8	11.5
35–39 years	9,308	778	7,080	128	1,324	100.0	8.4	76.1	1.4	14.2
40–44 years	7,245	397	5,513	185	1,149	100.0	5.5	76.1	2.6	15.9
45–54 years	11,692	552	8,895	719	1,526	100.0	4.7	76.1	6.1	13.1
55–64 years	11,712	459	8,236	1,967	1,050	100.0	3.9	70.3	16.8	9.0
65–74 years	9,439	412	4,837	3,667	523	100.0	4.4	51.2	38.8	5.5
75 years old and over	6,810	418	1,583	4,432	179	100.0	6.3	23.9	67.0	2.7

– Represents zero or rounds to zero.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 416.

No. 49. Single (Never-Married) Persons as Percent of Total Population, by Age and Sex: 1970 to 1986

[As of **March. Persons 18 years old and over.** Based on Current Population Survey; see headnote, table 48]

Age	Male					Female				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
Total	**18.9**	**20.8**	**23.8**	**25.2**	**25.3**	**13.7**	**14.6**	**17.1**	**18.2**	**18.3**
18–19 years	92.8	93.1	94.3	97.1	96.2	75.6	77.7	82.8	86.7	88.4
20–24 years	54.7	59.9	68.8	75.6	75.5	35.8	40.3	50.2	58.5	57.9
25–29 years	19.1	22.3	33.1	38.7	41.4	10.5	13.8	20.9	26.4	28.1
30–34 years	9.4	11.1	15.9	20.8	22.2	6.2	7.5	9.5	13.5	14.2
35–39 years	7.2	8.6	7.8	10.1	11.3	5.4	5.0	6.2	8.1	8.4
40–44 years	6.3	7.2	7.1	6.6	8.5	4.9	4.8	4.8	5.3	5.5
45–54 years	7.5	6.3	6.1	6.3	5.9	4.9	4.6	4.7	4.6	4.7
55–64 years	7.6	8.5	5.3	6.1	5.9	6.6	5.1	4.5	3.7	3.9
65 years old and over	7.5	4.7	4.9	5.3	5.1	7.7	5.8	5.9	5.1	5.2
65–74 years	8.0	4.3	5.2	5.2	5.2	7.8	5.8	5.6	4.4	4.4
75 years old and over	6.6	5.5	4.2	5.3	5.0	7.5	5.6	6.3	6.2	6.3

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 416, and earlier reports.

No. 50. Interracial Married Couples: 1970 to 1986

[In **thousands.** 1970 data as of **April**; 1980 and 1986 data as of **March. 1970, persons 14 years old and over; 1980 and 1986 persons 15 years old and over.** 1980 and 1986 based on Current Population Survey; see headnote, table 48]

Item	1970	1980	1986	Item	1970	1980	1986
Total married couples	**44,597**	**49,714**	**51,704**	**Other interracial married couples**	**245**	**484**	**646**
Interracial married couples	310	651	827	Husband Black	8	20	28
All Black-White married couples	65	167	181	Wife Black	4	14	5
Husband Black, wife White	41	122	136	Husband White	139	287	383
Wife Black, husband White	24	45	45	Wife White	94	163	230

Source: U.S. Bureau of the Census, *Census of Population: 1970, Marital Status*, PC(2)-4C; *Current Population Reports*, series P-20, No. 419, and earlier reports.

Digitized by Google

No. 51. Marital Status of the Black and Hispanic Populations: 1970 to 1986

[As of **March**, except as noted. **Black** population: **Persons 18 years old and over. Hispanic** population: **1970 and 1975, persons 14 years old and over; thereafter, 18 and over.** Except as noted, based on Current Population Survey; see headnote, table 48]

Sex and year	Number of persons (1,000)					Percent distribution				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
BLACK										
Total: 1970	12,972	2,668	8,310	1,427	567	100.0	20.6	64.1	11.0	4.4
1975	14,262	3,449	8,373	1,521	920	100.0	24.2	58.7	10.7	6.5
1980	16,638	5,070	8,545	1,627	1,396	100.0	30.5	51.4	9.8	8.4
1985	18,607	6,439	8,611	1,791	1,764	100.0	34.6	46.3	9.6	9.5
1986	18,940	6,439	9,036	1,630	1,837	100.0	34.0	47.7	8.6	9.7
Male: 1970	5,898	1,435	3,944	307	212	100.0	24.3	66.9	5.2	3.6
1975	6,366	1,733	3,990	319	327	100.0	27.2	62.7	5.0	5.1
1980	7,416	2,540	4,051	308	517	100.0	34.3	54.6	4.2	7.0
1985	8,325	3,149	4,217	324	636	100.0	37.8	50.7	3.9	7.6
1986	8,501	3,155	4,391	326	626	100.0	37.1	51.7	3.9	7.4
Female: 1970	7,074	1,233	4,366	1,120	355	100.0	17.4	61.7	15.8	5.0
1975	7,894	1,716	4,383	1,202	593	100.0	21.7	55.5	15.2	7.5
1980	9,222	2,530	4,494	1,319	878	100.0	27.4	48.7	14.3	9.5
1985	10,281	3,290	4,394	1,466	1,128	100.0	32.0	42.7	14.3	11.0
1986	10,441	3,284	4,645	1,301	1,211	100.0	31.5	44.5	12.5	11.8
HISPANIC [1]										
Total: 1970 [2]	5,872	1,718	3,666	287	201	100.0	29.3	62.4	4.9	3.4
1975	7,264	2,293	4,378	298	296	100.0	31.6	60.3	4.1	4.1
1980	7,998	1,901	5,176	350	460	100.0	23.1	65.6	4.4	5.8
1985	10,848	2,789	6,799	553	727	100.0	25.5	62.7	5.1	6.7
1986	11,600	3,042	7,153	535	872	100.0	26.2	61.7	4.8	7.5
Male: 1970 [2]	2,838	914	1,801	56	67	100.0	32.2	63.5	2.0	2.3
1975	3,520	1,277	2,103	42	98	100.0	36.3	59.7	1.2	2.8
1980	3,787	1,035	2,541	60	151	100.0	27.3	67.1	1.6	4.0
1985	5,322	1,640	3,272	124	285	100.0	30.8	61.5	2.3	5.4
1986	5,754	1,846	3,469	100	338	100.0	32.1	60.3	1.7	5.9
Female: 1970 [2]	3,033	804	1,864	231	134	100.0	26.5	61.5	7.6	4.4
1975	3,744	1,016	2,275	256	198	100.0	27.1	60.8	6.8	5.3
1980	4,101	865	2,635	291	310	100.0	21.1	64.3	7.1	7.6
1985	5,526	1,128	3,525	430	442	100.0	20.4	63.8	7.8	8.0
1986	5,846	1,195	3,683	434	534	100.0	20.4	63.0	7.4	9.1

[1] Hispanic persons may be of any race. [2] As of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, PC(2)1C, Persons of Spanish Origin; Current Population Reports*, series P-20, No. 418 and earlier reports; and unpublished data.

No. 52. Ever-Married Persons 25–54 Years Old Who Were Divorced or Separated at Time of Survey, by Race, Sex, and Age: 1970 to 1986

[As of **March**. Based on Current Population Survey; see headnote, table 48]

Year, sex, and age	Ever married (1,000)			Percent divorced			Percent separated		
	Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
1970: Male, total	31,304	28,189	2,817	3.3	3.1	5.5	1.6	1.1	9.4
25–34 years	10,402	9,318	975	3.0	2.9	3.9	1.6	1.2	5.1
35–44 years	10,518	9,464	953	3.0	2.8	5.8	2.1	1.1	11.6
45–54 years	10,384	9,407	889	3.9	3.7	6.7	1.9	1.0	11.7
Female, total	34,299	30,401	3,505	5.2	5.0	7.7	3.3	1.8	16.3
25–34 years	11,590	10,220	1,236	5.0	4.7	6.6	3.8	2.1	17.8
35–44 years	11,264	9,917	1,188	5.6	5.3	8.8	3.1	1.6	16.3
45–54 years	11,445	10,264	1,081	5.1	4.9	7.8	3.1	1.9	14.9
1980: Male, total	35,326	31,422	3,062	8.2	7.9	12.6	3.0	2.3	10.4
25–34 years	13,550	12,021	1,154	8.6	8.6	10.8	3.3	2.7	9.5
35–44 years	11,505	10,239	1,020	8.8	8.1	16.2	2.9	2.2	10.2
45–54 years	10,271	9,162	888	7.1	6.7	10.7	2.6	1.7	11.8
Female, total	39,169	34,093	4,066	11.0	10.5	16.5	4.5	2.9	18.7
25–34 years	15,694	13,850	1,591	11.8	11.2	16.5	5.4	3.6	21.2
35–44 years	12,271	10,825	1,320	11.5	10.9	17.5	4.5	2.7	19.2
45–54 years	11,204	9,816	1,155	9.7	9.0	15.5	3.4	2.1	14.8
1986: Male, total	38,912	34,205	3,520	10.7	10.7	13.2	3.4	2.7	11.1
25–34 years	14,240	12,543	1,288	10.2	10.5	9.4	4.4	3.5	13.3
35–44 years	14,352	12,644	1,254	12.2	11.9	17.0	3.0	2.5	9.0
45–54 years	10,320	9,018	978	9.3	9.1	13.4	2.7	1.7	11.0
Female, total	43,111	37,212	4,412	13.9	13.4	20.7	4.5	3.3	15.2
25–34 years	16,593	14,392	1,842	12.1	11.9	15.8	5.2	4.1	15.8
35–44 years	15,378	13,243	1,566	16.1	15.5	24.8	4.4	3.2	14.5
45–54 years	11,140	9,577	1,202	13.7	12.6	22.6	3.8	2.2	15.1

[1] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 418, and earlier reports.

Digitized by Google

No. 53. Divorced Persons per 1,000 Married Persons With Spouse Present, by Sex, Race, and Age: 1970 to 1986

[As of March. 1970 and 1975, persons 14 years old and over; beginning 1980, 15 years old and over. See headnote, table 47]

YEAR	Total	Male	Female	SEX AND YEAR	RACE		AGE			
					White	Black	15–29 years	30–44 years	45–64 years	65 years old and over
1970	47	35	60	Male: 1970	32	62	[1] 28	33	40	32
1975	69	54	84	1980	74	149	78	104	70	48
1980	100	79	120	1985	98	179	100	138	93	49
1982	114	92	137	1986	102	166	91	143	98	53
1983	114	91	137	Female: 1970	56	104	[1] 46	61	66	69
1984	121	96	146	1980	110	258	108	147	112	89
1985	129	103	153	1985	142	326	117	190	151	111
1986	131	106	157	1986	145	332	112	194	158	114

[1] 14–29 years.

No. 54. Unmarried Couples, by Selected Characteristics, 1970 to 1986, and by Marital Status of Partners, 1986

[In thousands. As of March, except 1970, as of April. An "unmarried couple" is two unrelated adults of the opposite sex sharing the same household. See headnote, table 56]

PRESENCE OF CHILDREN AND AGE OF HOUSEHOLDER	1970	1980	1985	1986	MARITAL STATUS OF MALE	Total	MARITAL STATUS OF FEMALE			
							Never married	Divorced	Widowed	Married, husband absent
Unmarried couples	**523**	**1,589**	**1,983**	**2,220**	**Total, 1986**	**2,220**	**1,181**	**733**	**152**	**160**
No children under 15 yr.	[1] 327	1,159	1,380	1,558	Never married	1,176	841	248	34	54
Some children under 15 yr.	[1] 196	431	603	662	Divorced	772	245	416	59	54
Under 25 yr. old	55	411	425	489	Widowed	82	11	18	47	7
25–44 yr. old	103	837	1,203	1,344	Married, wife absent	186	84	51	11	43
45–64 yr. old	186	221	239	277						
65 yr. old and over	178	119	116	110						

[1] Children in unmarried-couple households are under 14 years old.

Source of tables 53 and 54: U.S. Bureau of the Census, *1970 Census of Population*, vol. II, part 4B, and *Current Population Reports*, series P–20, No. 418 and earlier reports.

No. 55. Householder and Marital Status of Population, 15 Years Old and Over: 1986

[In thousands, except percent. As of March. See headnote, table 47]

HOUSEHOLDER AND MARITAL STATUS	Total, 15 yrs. and over [1]	MALE					FEMALE				
		Total [1]	20–24 years	25–44 years	45–64 years	65 yr. and over	Total [1]	20–24 years	25–44 years	45–64 years	65 yr. and over
Total persons	**184,828**	**88,474**	**9,788**	**36,911**	**21,320**	**11,272**	**96,354**	**10,160**	**37,650**	**23,404**	**16,049**
Householder	88,458	61,036	3,215	28,347	19,159	10,094	27,420	1,862	10,062	6,792	8,502
Single	11,808	6,026	1,287	3,502	718	396	5,782	1,284	3,126	660	544
Married, spouse present	50,933	47,976	1,799	21,870	16,211	7,996	2,957	215	1,624	807	293
Married, spouse absent	4,084	1,533	66	804	509	156	2,551	200	1,426	690	223
Widowed	11,363	1,664	6	58	397	1,203	9,699	11	391	2,437	6,861
Divorced	10,269	3,839	58	2,114	1,324	343	6,430	151	3,494	2,199	580
Not householder	96,370	27,436	6,572	8,566	2,160	1,178	68,934	8,299	27,588	16,612	7,548
Single	36,722	20,544	6,100	4,819	540	182	16,178	4,596	2,553	351	284
Married, spouse present	52,475	3,728	290	1,987	939	497	48,747	3,361	23,594	15,502	5,860
Married, spouse absent	1,834	1,043	102	665	201	57	791	178	396	131	44
Widowed	2,053	502	10	27	128	337	1,551	5	59	250	1,238
Divorced	3,286	1,619	70	1,088	353	104	1,667	159	986	377	122
PERCENT DISTRIBUTION											
Total persons	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Householder	47.9	69.0	32.8	76.8	89.9	89.5	28.5	18.3	26.7	29.0	53.0
Single	6.4	6.8	13.1	9.5	3.4	3.5	6.0	12.6	8.3	2.8	3.4
Married, spouse present	27.6	54.2	18.4	59.3	76.0	70.9	3.1	2.1	4.3	3.4	1.8
Married, spouse absent	2.2	1.7	.7	2.2	2.4	1.4	2.6	2.0	3.8	2.9	1.4
Widowed	6.1	1.9	.1	.2	1.9	10.7	10.1	.1	1.0	10.4	42.8
Divorced	5.6	4.3	.6	5.7	6.2	3.0	6.7	1.5	9.3	9.4	3.6
Not householder	52.1	31.0	67.1	23.2	10.1	10.5	71.5	81.7	73.3	71.0	47.0
Single	19.9	23.2	62.3	13.1	2.5	1.6	16.8	45.2	6.8	1.5	1.8
Married, spouse present	28.4	4.2	3.0	5.3	4.4	4.4	50.6	33.1	62.7	66.2	36.5
Married, spouse absent	1.0	1.2	1.0	1.8	.9	.5	.8	1.8	1.1	.6	.3
Widowed	1.1	.6	.1	.1	.6	3.0	1.6	–	.2	1.1	7.7
Divorced	1.8	1.8	.7	2.9	1.7	.9	1.7	1.6	2.6	1.6	.8

– Represents zero or rounds to zero. [1] Includes 15–19 year olds.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418 and earlier reports.

Digitized by Google

No. 56. Households, Families, Subfamilies, Married Couples, and Unrelated Individuals: 1960 to 1987

[In **thousands, except as indicated.** As of **March.** Based on Current Population Survey; includes members of Armed Forces living off post or with their families on post, but excludes all other members of Armed Forces; see text, section 1 and Appendix III. For definition of terms, see text, section 1. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series A 288–319]

TYPE OF UNIT	1960	1970	1975	1980	1983	1984	1985	1986	1987	PERCENT CHANGE 1970–1960	PERCENT CHANGE 1980–1987
Households	**52,799**	**63,401**	**71,120**	**80,776**	**83,918**	**85,407**	**86,788**	**88,458**	**89,479**	**27.4**	**10.8**
Average size	3.33	3.14	2.94	2.76	2.73	2.71	2.69	2.67	2.66	(x)	(x)
Family households	44,905	51,456	55,563	59,550	61,393	61,997	62,706	63,558	64,491	15.7	6.3
Married couple	39,254	44,728	46,951	49,112	49,908	50,090	50,350	50,933	51,537	9.6	4.9
Male householder [1]	1,228	1,226	1,485	1,733	2,016	2,030	2,228	2,414	2,510	41.1	44.8
Female householder [1]	4,422	5,500	7,127	6,705	9,469	9,678	10,129	10,211	10,445	58.3	20.0
Nonfamily households	7,895	11,945	15,557	21,226	22,525	23,410	24,082	24,900	24,988	77.7	17.7
Male householder	2,716	4,063	5,912	6,807	9,514	9,752	10,114	10,648	10,652	116.6	20.9
Female householder	5,179	7,882	9,645	12,419	13,011	13,658	13,968	14,252	14,336	57.6	15.4
One person	6,696	10,851	13,939	16,296	19,250	19,954	20,602	21,176	21,128	68.6	15.5
Families	**45,111**	**51,586**	**55,712**	**59,550**	**61,393**	**61,997**	**62,706**	**63,558**	**64,491**	**15.4**	**8.3**
Average size	3.67	3.58	3.42	3.29	3.26	3.24	3.23	3.21	3.19	(x)	(x)
Married couple	39,329	44,755	46,971	49,112	49,908	50,090	50,350	50,933	51,537	9.7	4.9
Male householder [1]	1,275	1,239	1,499	1,733	2,016	2,030	2,228	2,414	2,510	39.9	44.6
Female householder [1]	4,507	5,591	7,242	6,705	9,469	9,676	10,129	10,211	10,445	55.7	20.0
Unrelated subfamilies	**207**	**130**	**149**	**360**	**440**	**504**	**526**	**505**	**566**	**176.9**	**57.2**
Married couple	75	27	20	20	39	53	46	45	37	(B)	(B)
Male reference persons [1]	47	11	14	36	43	63	65	63	77	(B)	(B)
Female reference persons [1]	85	91	115	304	358	388	395	397	452	234.1	48.7
Related subfamilies	**1,514**	**1,150**	**1,349**	**1,150**	**2,220**	**2,198**	**2,228**	**2,256**	**2,286**	**–**	**98.8**
Married couple	871	617	576	582	719	722	719	726	712	– 5.7	22.3
Father-child [1, 2]	115	48	69	54	146	113	116	131	123	(B)	(B)
Mother-child [1, 2]	528	484	705	512	1,355	1,363	1,392	1,399	1,451	5.8	183.4
Married couples	**40,200**	**45,373**	**47,547**	**49,714**	**50,666**	**50,864**	**51,114**	**51,704**	**52,286**	**8.8**	**5.2**
With own household	39,254	44,728	46,951	49,112	49,908	50,090	50,350	50,933	51,537	9.6	4.9
Without own household	946	645	596	602	758	775	764	771	749	– 6.7	24.4
Percent without	2.4	1.4	1.3	1.2	1.5	1.5	1.5	1.5	1.4	(x)	(x)
Unrelated individuals	**11,092**	**14,986**	**18,100**	**26,426**	**28,083**	**29,487**	**30,518**	**31,506**	**31,814**	**76.3**	**20.8**
Nonfamily householders	7,895	11,945	15,557	21,226	22,525	23,410	24,082	24,900	24,988	77.7	17.7
Secondary individuals	3,198	3,043	3,543	5,200	5,558	6,087	6,436	6,606	6,926	70.9	33.2
Male	1,746	1,631	2,087	3,006	3,072	3,531	3,743	3,764	3,947	84.3	31.3
Female	1,451	1,412	1,456	2,194	2,486	2,556	2,693	2,842	2,978	55.4	35.7

– Represents zero. B Not shown; base less than 75,000. X Not applicable. [1] No spouse present. [2] It is likely that most of the sizable increase between 1980 and 1983 was the result of new and more definitive coding procedures.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 417.

No. 57. Households, by Type—Projections: 1988 to 2000

[In **thousands.** As of **July.** Series A reflects the assumption that the recent moderation in marriage and divorce trends will continue but that historical changes spanning the last 25 years must be taken into consideration. Series A assumes a continuation of past trends in householder proportions but changes in recent years are given more weight. Series B reflects assumptions intermediate between series A and C; namely changes in marriage and divorce will slow considerably, but will not cease during the next 15 years. Series C reflects the assumption that the rapid change in marriage and divorce may have come to an end, and householder proportions will remain constant for the next 15 years]

YEAR AND SERIES	Total	FAMILY				NONFAMILY		
		Total	Married couple	Male householder [1]	Female householder [1]	Total	Male householder	Female householder
1988: Series A	91,987	64,810	51,306	2,514	10,990	27,177	11,615	15,362
Series B	91,434	65,278	52,069	2,437	10,772	26,156	11,222	14,934
Series C	90,912	65,741	52,819	2,365	10,557	25,172	10,652	14,520
1989: Series A	93,622	65,403	51,521	2,616	11,266	28,219	12,403	15,816
Series B	92,847	66,034	52,554	2,508	10,972	26,814	11,583	15,231
Series C	92,126	66,653	53,562	2,410	10,681	25,473	10,802	14,671
1990: Series A	95,243	65,964	51,704	2,723	11,538	29,279	13,008	16,270
Series B	94,227	66,758	53,012	2,581	11,165	27,469	11,946	15,523
Series C	93,297	67,535	54,282	2,455	10,796	25,762	10,949	14,814
1995: Series A	102,785	68,219	52,178	3,276	12,765	34,565	16,102	18,463
Series B	100,306	69,787	54,863	2,940	11,984	30,520	13,666	16,854
Series C	98,180	71,294	57,410	2,667	11,217	26,887	11,490	15,396
2000: Series A	110,217	70,024	52,263	3,845	13,916	40,193	19,471	20,722
Series B	105,933	72,277	56,294	3,282	12,701	33,656	15,452	18,204
Series C	102,440	74,449	60,080	2,855	11,515	27,991	11,985	16,006

[1] With no spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 998

Digitized by Google

No. 58. White, Black and Hispanic Households by Type: 1970 to 1986

[As of March, except as noted. Based on Current Population Survey, except as noted; see headnote, table 56. See also *Historical Statistics, Colonial Times to 1970*, series A 292–295 and A 320–334]

Characteristic	Number (1,000)					Percent distribution				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
White										
Total	56,902	62,945	70,786	75,328	76,578	100.0	100.0	100.0	100.0	100.0
Family households	46,166	49,334	52,243	54,400	54,991	61.6	78.4	73.8	72.2	71.8
Married couple	41,029	42,951	44,751	45,843	45,924	72.5	68.2	63.2	60.6	60.0
Male householder [1]	1,038	1,257	1,441	1,816	1,956	1.8	2.0	2.0	2.4	2.6
Female householder [1]	4,099	5,126	6,052	6,941	7,111	7.2	8.1	8.6	9.2	9.3
Nonfamily households	10,436	13,612	18,522	20,928	21,585	18.4	21.6	26.2	27.8	28.2
Male householder	3,408	5,038	7,499	8,608	9,013	6.0	8.0	10.6	11.4	11.8
Female householder	7,030	8,574	11,023	12,320	12,572	12.4	13.6	15.6	16.4	16.4
Black										
Total	6,223	7,262	8,598	9,480	9,797	100.0	100.0	100.0	100.0	100.0
Family households	4,856	5,466	6,184	6,776	6,921	78.0	75.3	72.0	71.5	70.6
Married couple	3,317	3,343	3,433	3,469	3,660	53.3	46.0	40.0	36.6	37.8
Male householder [1]	181	211	256	344	368	2.9	2.9	3.0	3.6	3.8
Female householder [1]	1,358	1,915	2,495	2,964	2,874	21.8	26.4	29.1	31.3	29.3
Nonfamily households	1,367	1,793	2,402	2,703	2,876	22.0	24.7	28.0	28.5	29.4
Male householder	564	791	1,146	1,244	1,412	9.1	10.9	13.3	13.1	14.4
Female householder	803	1,002	1,256	1,459	1,464	12.9	13.8	14.6	15.4	14.9
Hispanic [2]										
Total	[3] 2,303	(NA)	3,684	4,883	5,213	[3] 100.0	(NA)	100.0	100.0	100.0
Family households	[3] 2,004	(NA)	3,029	3,939	4,206	[3] 87.0	(NA)	82.2	80.7	80.7
Married couple	[3] 1,615	(NA)	2,282	2,824	2,962	[3] 70.1	(NA)	61.9	57.8	56.8
Male householder [1]	[3] 82	(NA)	136	210	264	[3] 3.6	(NA)	3.7	4.3	5.1
Female householder [1]	[3] 307	(NA)	610	905	980	[3] 13.3	(NA)	16.6	18.5	18.8
Nonfamily households	[3] 299	(NA)	654	944	1,006	[3] 13.0	(NA)	17.8	19.3	19.3
Male householder	[3] 150	(NA)	365	509	541	[3] 6.5	(NA)	9.9	10.4	10.4
Female householder	[3] 148	(NA)	289	435	465	[3] 6.4	(NA)	7.8	8.9	8.9

NA Not available. [1] No spouse present. [2] Hispanic persons may be of any race. [3] As of April.

Source: U.S. Bureau of the Census, *Census of Population: 1970, Persons of Spanish Origin*, PC(2)–1C; *Current Population Reports*, series P–20, No. 419 and earlier reports.

No. 59. Households By Characteristic of Householder and Size of Household: 1970 to 1986

[As of March. Based on Current Population Survey; see headnote, table 56. See also *Historical Statistics, Colonial Times to 1970*, series A 335–349]

Characteristic of householder and size of household	Number (mil.)						Percent distribution					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Total [1]	63.4	71.1	80.8	85.4	86.8	88.5	100.0	100.0	100.0	100.0	100.0	100.0
Age of householder:												
15–24 years old [2]	4.4	5.8	6.8	5.5	5.4	5.5	6.8	8.2	8.1	6.5	6.3	6.2
25–29 years old	6.1	7.8	9.3	9.8	9.6	9.8	9.8	11.0	11.5	11.5	11.1	11.1
30–34 years old	5.6	7.1	9.3	10.0	10.4	10.6	8.8	10.0	11.5	11.7	12.0	12.0
35–44 years old	11.8	11.9	14.0	16.8	17.5	18.0	18.6	16.7	17.3	19.4	20.1	20.3
45–54 years old	12.2	12.9	12.7	12.5	12.8	13.1	19.5	18.2	15.7	14.8	14.6	14.8
55–64 years old	10.8	11.3	12.5	13.1	13.1	12.9	17.1	15.9	15.5	15.4	15.1	14.5
65–74 years old	7.7	8.9	10.1	10.7	10.9	11.2	12.1	12.5	12.5	12.5	12.6	12.6
75 years old and over	4.8	5.4	6.4	7.2	7.3	7.4	7.6	7.6	7.9	8.4	8.4	8.4
Male	50.0	54.3	58.0	59.4	60.0	61.0	78.9	76.4	71.8	69.5	69.2	69.0
Female	13.4	16.8	22.8	26.0	26.8	27.4	21.1	23.8	28.2	30.5	30.8	31.0
White	56.6	62.9	70.8	74.4	75.3	76.8	89.5	88.5	87.8	87.1	86.8	86.6
Black	6.2	7.3	8.6	9.2	9.5	9.8	9.8	10.2	10.8	10.8	10.9	11.1
Hispanic [3]	(NA)	(NA)	3.7	4.3	4.9	5.2	(NA)	(NA)	4.8	5.0	5.6	5.9
1 person	10.9	13.9	18.3	20.0	20.6	21.2	17.1	19.8	22.7	23.4	23.7	23.9
Male	3.5	4.9	7.0	7.5	7.9	8.3	5.5	6.9	8.7	8.8	9.1	9.4
Female	7.3	9.0	11.3	12.4	12.7	12.9	11.5	12.7	14.0	14.5	14.6	14.6
2 persons	18.3	21.8	25.3	26.9	27.4	27.7	28.9	30.6	31.4	31.5	31.6	31.3
3 persons	10.9	12.4	14.1	15.1	15.5	16.1	17.3	17.4	17.5	17.7	17.8	18.2
4 persons	10.0	11.1	12.7	13.6	13.6	13.8	15.8	15.6	15.7	15.9	15.7	15.6
5 persons	6.5	6.4	6.1	6.1	6.1	6.3	10.3	9.0	7.5	7.1	7.0	7.1
6 persons	3.5	3.1	2.5	2.4	2.3	2.1	5.6	4.3	3.1	2.8	2.8	2.4
7 persons or more	3.2	2.5	1.8	1.4	1.3	1.3	5.0	3.5	2.2	1.6	1.5	1.4

NA Not available. [1] Includes other races, not shown separately. [2] 1970 and 1975, persons 14 to 24 years old. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 419 and earlier reports; and unpublished data.

Digitized by Google

No. 60. Household Characteristics, by Race, Hispanic Origin and Type: 1986

[As of March. Based on Current Population Survey; see headnote, table 56. For composition of regions, see fig. I, inside front cover]

Characteristic	Number of households (1,000)							Percent distribution							Persons per household		
				Family households			Non-family households				Family households			Non-family households			
	Total	Black	Hispanic [1]	Total [2]	Married couple	Female householder [3]		Total	Black	Hispanic [1]	Total [2]	Married couple	Female householder [3]		Total	Black	Hispanic [1]
Total	**88,458**	**9,797**	**5,213**	**63,558**	**50,933**	**10,211**	**24,900**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**2.67**	**2.90**	**3.43**
Age of householder:																	
15–24 years old	5,503	680	546	3,175	2,132	785	2,329	6.2	6.9	10.5	5.0	4.2	7.7	9.4	2.31	2.57	2.81
25–29 years old	9,781	1,212	814	6,686	5,200	1,230	3,094	11.1	12.4	15.6	10.5	10.2	12.0	12.4	2.84	2.90	3.36
30–34 years old	10,629	1,295	769	8,207	6,551	1,364	2,423	12.0	13.2	14.7	12.9	12.9	13.4	9.7	3.07	3.18	3.83
35–44 years old	17,997	2,036	1,176	14,912	11,743	2,641	3,085	20.3	20.8	22.6	23.5	23.1	25.9	12.4	3.41	3.44	4.10
45–54 years old	13,099	1,680	791	10,767	8,756	1,607	2,332	14.8	17.2	15.2	16.9	17.2	15.7	9.4	3.06	3.10	3.64
55–64 years old	12,852	1,250	571	9,744	8,262	1,144	3,109	14.5	12.8	10.9	15.3	16.2	11.2	12.5	2.38	2.64	2.97
65–74 years old	11,157	1,058	352	6,804	5,784	807	4,352	12.6	10.8	6.7	10.7	11.4	7.9	17.5	1.86	2.23	2.43
75 years old and over	7,439	586	196	3,263	2,506	633	4,177	8.4	6.0	3.8	5.1	4.9	6.2	16.8	1.60	1.94	2.12
Region:																	
Northeast	18,562	1,831	1,026	13,175	10,422	2,225	5,387	21.0	18.7	19.7	20.7	20.5	21.8	21.6	2.66	2.76	3.10
Midwest	21,847	1,932	359	15,771	12,813	2,427	6,077	24.7	19.7	6.9	24.8	25.2	23.8	24.4	2.68	2.91	3.54
South	30,311	5,159	1,673	22,183	17,711	3,724	8,128	34.3	52.7	32.1	34.9	34.8	36.5	32.6	2.66	2.98	3.39
West	17,738	877	2,155	12,429	9,988	1,836	5,308	20.1	9.0	41.3	19.6	19.6	18.0	21.3	2.69	2.66	3.61
Size of household:																	
One person	21,178	2,500	803	(X)	(X)	(X)	21,178	23.9	25.5	15.4	(X)	(X)	(X)	85.1	1.00	1.00	1.00
Two persons	27,732	2,365	1,123	24,790	19,137	4,384	2,941	31.3	24.1	21.6	39.0	37.6	42.9	11.8	2.00	2.00	2.00
Three persons	16,088	1,877	1,031	15,537	11,690	3,173	552	18.2	19.2	19.8	24.4	23.0	31.1	2.2	3.00	3.00	3.00
Four persons	13,774	1,488	1,088	13,595	11,842	1,490	180	15.6	15.2	20.9	21.4	23.3	14.8	.7	4.00	4.00	4.00
Five persons	6,276	896	617	6,235	5,442	669	41	7.1	9.1	11.8	9.8	10.7	6.5	.2	5.00	5.00	5.00
Six persons	2,136	344	291	2,133	1,809	266	6	2.4	3.5	5.6	3.4	3.6	2.8	(Z)	6.00	6.00	6.00
Seven persons or more	1,272	327	260	1,269	1,013	210	3	1.4	3.3	5.0	2.0	2.0	2.1	(Z)	7.91	8.40	7.97
Marital status of householder:																	
Single (never married)	11,808	2,166	762	2,752	(X)	1,963	9,056	13.3	22.1	14.6	4.3	(X)	19.2	36.4	1.74	2.33	2.34
Married, spouse present	50,933	3,660	2,962	50,933	50,933	(X)	(X)	57.6	37.6	56.8	80.1	100.0	(X)	(X)	3.28	3.70	4.06
Married, spouse absent	4,084	1,196	513	2,126	(X)	1,792	1,958	4.6	11.9	9.9	3.3	(X)	17.6	7.9	2.34	2.63	3.21
Separated	3,229	1,046	403	1,826	(X)	1,555	1,403	3.7	10.7	7.7	2.9	(X)	15.2	5.6	2.44	2.69	3.26
Widowed	11,363	1,341	372	3,057	(X)	2,631	8,307	12.8	13.7	7.1	4.8	(X)	25.8	33.4	1.57	2.28	2.35
Divorced	10,269	1,444	603	4,869	(X)	3,824	5,580	11.6	14.7	11.6	7.4	(X)	37.4	22.4	2.04	2.48	2.61
Tenure:																	
Owner occupied	56,406	4,361	2,115	45,489	39,420	4,735	10,919	63.8	44.5	40.6	71.6	77.4	46.4	43.9	2.83	3.16	3.74
Renter occupied	32,050	5,436	3,096	18,069	11,513	5,476	13,980	36.2	55.5	59.4	28.4	22.6	53.6	56.1	2.39	2.68	3.22

X Not applicable. Z Less than .05 percent. [1] Hispanic persons may be of any race. [2] Includes male householder, no spouse present. [3] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 419 and series P-60, No. 156.

Digitized by Google

No. 61. Households—States: 1980 to 1986

[1980, as of April 1; 1985 and 1986, as of July 1. For definition of household, see text, section 1. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Number (1,000)			Persons per household	
	1980	1985	1986	1980	1986
U.S	80,390	87,489	88,797	2.75	2.65
Region:					
Northeast	17,471	18,407	18,588	2.74	2.62
Midwest	20,859	21,762	21,944	2.75	2.63
South	26,486	29,857	30,418	2.77	2.66
West	15,574	17,463	17,847	2.71	2.67
N. Eng	4,362	4,671	4,729	2.74	2.60
ME	395	432	439	2.75	2.59
NH	323	366	379	2.75	2.62
VT	178	196	200	2.75	2.60
MA	2,033	2,155	2,173	2.72	2.59
RI	339	359	364	2.70	2.58
CT	1,094	1,163	1,175	2.76	2.63
Mid. Atl	13,109	13,735	13,859	2.74	2.62
NY	6,340	6,625	6,672	2.70	2.59
NJ	2,549	2,737	2,776	2.84	2.69
PA	4,220	4,373	4,411	2.74	2.63
E. No. Cent	14,654	15,207	15,343	2.78	2.66
OH	3,834	3,965	3,998	2.76	2.63
IN	1,927	2,011	2,026	2.77	2.64
IL	4,045	4,211	4,237	2.76	2.66
MI	3,195	3,268	3,315	2.84	2.70
WI	1,652	1,752	1,767	2.77	2.63
W. No. Cent	6,205	6,556	6,600	2.68	2.58
MN	1,445	1,546	1,565	2.74	2.62
IA	1,053	1,076	1,071	2.68	2.57
MO	1,793	1,895	1,916	2.67	2.58
ND	228	248	247	2.75	2.63
SD	243	260	261	2.74	2.61
NE	571	604	605	2.66	2.56
KS	872	926	935	2.62	2.54
So. Atl	13,160	14,939	15,290	2.73	2.61
DE	207	227	232	2.79	2.66
MD	1,461	1,587	1,624	2.82	2.69
DC	253	250	251	2.40	2.36
VA	1,863	2,076	2,122	2.77	2.64
WV	686	711	710	2.79	2.66
NC	2,043	2,294	2,340	2.78	2.62
SC	1,030	1,155	1,176	2.93	2.78
GA	1,872	2,138	2,199	2.84	2.71
FL	3,744	4,501	4,636	2.55	2.47
E. So. Cent	5,051	5,437	5,504	2.83	2.70
KY	1,263	1,344	1,355	2.82	2.67
TN	1,619	1,757	1,783	2.77	2.63
AL	1,342	1,444	1,464	2.84	2.71
MS	827	891	902	2.97	2.84
W. So. Cent	8,276	9,481	9,624	2.80	2.73
AR	816	876	886	2.74	2.62
LA	1,412	1,557	1,567	2.91	2.81
OK	1,119	1,253	1,255	2.62	2.56
TX	4,929	5,796	5,916	2.82	2.76
Mt	3,986	4,606	4,708	2.79	2.71
MT	284	305	304	2.70	2.62
ID	324	354	356	2.85	2.76
WY	166	182	182	2.78	2.74
CO	1,061	1,222	1,240	2.65	2.57
NM	441	510	523	2.90	2.78
AZ	957	1,159	1,209	2.79	2.69
UT	449	505	514	3.20	3.18
NV	304	368	381	2.59	2.49
Pac	11,587	12,858	13,139	2.68	2.65
WA	1,541	1,691	1,723	2.61	2.52
OR	992	1,044	1,058	2.60	2.50
CA	8,630	9,616	9,842	2.68	2.67
AK	131	175	179	2.93	2.88
HI	294	330	336	3.15	3.04

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 998 and press release (CB87-65), and unpublished data.

No. 62. Households, 1980 and 1986, and Persons in Households, 1986, by Type of Household and Presence of Children

[As of March. Based on Current Population Survey; see headnote, table 56. Minus sign (–) indicates decrease]

Type of household and presence of children	Households						Persons in households, 1986		Persons per household, 1986
	Number (1,000)		Change, 1980–1986		Percent distribution				
	1980	1986	Number (1,000)	Percent	1980	1986	Number (mil.)	Percent distribution	
Total households	80,776	88,458	7,682	9.5	100.0	100.0	236.2	100.0	2.67
Family households	59,550	63,558	4,008	6.7	73.7	71.9	206.1	87.2	3.24
With own children under 18	31,022	31,670	648	2.1	38.4	35.8	124.3	52.6	3.93
Without own children under 18	28,528	31,888	3,359	11.8	35.3	36.0	81.7	34.6	2.56
Married couple family	49,112	50,933	1,821	3.7	60.8	57.6	167.2	70.8	3.28
With own children under 18	24,961	24,630	–331	–1.3	30.9	27.8	102.3	43.3	4.15
Without own children under 18	24,151	26,303	2,152	8.9	29.9	29.7	65.0	27.5	2.47
Male householder, no spouse present	1,733	2,414	681	39.3	2.1	2.7	7.1	3.0	2.94
With own children under 18	616	935	319	51.8	.8	1.1	2.7	1.1	2.88
Without own children under 18	1,117	1,479	362	32.4	1.4	1.7	4.4	1.9	2.97
Female householder, no spouse present	8,705	10,211	1,506	17.3	10.8	11.5	31.7	13.4	3.11
With own children under 18	5,445	6,105	660	12.1	6.7	6.9	19.4	8.2	3.11
Without own children under 18	3,261	4,106	845	25.9	4.0	4.6	12.4	5.2	3.01
Nonfamily households	21,226	24,900	3,674	17.3	26.3	28.1	30.2	12.8	1.21
Living alone	18,296	21,178	2,882	15.8	22.7	23.9	21.2	9.0	1.00
Male householder	8,807	10,648	1,841	20.9	10.9	12.0	14.1	6.0	1.33
Living alone	6,966	8,285	1,319	18.9	8.6	9.4	8.3	3.5	1.00
Female householder	12,419	14,252	1,833	14.8	15.4	16.1	16.1	6.8	1.13
Living alone	11,330	12,893	1,563	13.8	14.0	14.6	12.9	5.5	1.00

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 412 and earlier reports, and unpublished data.

Digitized by Google

No. 63. Living Arrangements of Persons 15 Years Old and Over, by Selected Characteristics: 1986

[As of **March**. Based on Current Population Survey which includes members of Armed Forces living off post or with families on post, but excludes other Armed Forces; see text, section 1 and Appendix III]

Age and sex	All races [1]					White persons percent living—			Black persons percent living—		
	Total (1,000)	Percent living— Alone	With spouse	With other relatives	With nonrelatives	Alone	With spouse	With other relatives	Alone	With spouse	With other relatives
Total	**184,828**	**11.5**	**55.9**	**26.7**	**5.9**	**11.5**	**56.5**	**24.1**	**12.2**	**36.0**	**45.7**
15–19 years old	18,274	.5	3.2	93.4	3.2	.6	3.6	92.5	.5	1.1	96.1
20–24 years old	19,948	6.5	28.4	51.2	14.0	6.7	31.0	47.8	5.4	14.2	70.0
25–44 years old	74,561	6.7	65.6	17.8	7.6	6.6	68.5	15.1	9.2	44.7	39.1
45–64 years old	44,723	11.1	74.6	11.3	2.6	10.4	77.4	9.7	18.1	51.8	24.9
65 years old and over	27,321	30.4	53.6	13.7	2.3	30.5	54.9	12.5	33.0	39.5	23.8
65–74 years old	16,879	24.9	62.4	10.6	2.1	24.5	64.0	9.5	31.7	45.3	19.7
75 years old and over	10,442	39.3	39.4	18.6	2.5	40.1	40.3	17.3	35.1	29.3	30.9
Male	**88,474**	**9.4**	**58.4**	**25.1**	**7.1**	**9.1**	**60.7**	**23.2**	**12.2**	**40.4**	**39.1**
15–19 years old	9,183	.5	1.5	95.1	2.9	.5	1.7	94.8	.3	.2	97.0
20–24 years old	9,786	7.0	21.3	56.7	14.9	7.4	23.3	54.0	5.5	10.8	71.6
25–44 years old	36,911	10.7	64.8	15.1	9.6	10.6	66.6	13.3	12.8	47.7	29.5
45–64 years old	21,320	9.0	80.4	7.1	3.4	8.1	82.4	6.5	18.1	62.0	11.9
65 years old and over	11,272	14.9	75.3	7.2	2.5	14.3	76.7	6.7	23.3	59.9	11.9
65–74 years old	7,440	12.7	79.2	5.7	2.4	11.6	80.4	5.4	23.0	64.0	9.9
75 years old and over	3,832	19.2	67.9	10.2	2.7	19.0	69.5	9.2	24.0	51.7	16.0
Female	**96,354**	**13.4**	**53.7**	**28.2**	**4.8**	**13.8**	**56.4**	**24.9**	**12.1**	**32.4**	**51.2**
15–19 years old	9,091	.6	4.9	91.0	3.5	.6	5.6	90.1	.7	1.9	95.2
20–24 years old	10,160	5.9	35.2	45.8	13.1	6.1	38.5	41.7	5.4	17.0	68.7
25–44 years old	37,649	6.6	67.0	20.5	5.7	6.9	70.3	16.8	6.4	42.1	47.1
45–64 years old	23,404	13.0	69.7	15.2	2.2	12.4	72.6	12.7	18.1	43.7	35.1
65 years old and over	16,049	41.3	38.3	18.2	2.1	41.9	39.5	16.6	39.3	25.6	31.6
65–74 years old	9,439	34.6	49.2	14.4	1.9	34.5	51.0	12.8	38.0	31.5	26.9
75 years old and over	6,610	51.0	22.6	23.6	2.4	52.2	23.4	22.0	41.5	16.7	39.6

[1] Includes other races not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, forthcoming report.

No. 64. Living Arrangements of Young Adults: 1970 to 1986

[**1970** and **1980**, as of **April**. Beginning **1985**, as of **March** and based on Current Population Survey, see headnote, table 63]

Living arrangements and sex	Persons 18–24 years old				Persons 25–34 years old			
	1970	1980	1985	1986	1970	1980	1985	1986
Total (1,000)	**22,357**	**29,122**	**27,844**	**27,111**	**24,566**	**36,796**	**40,857**	**42,053**
Percent distribution:								
Child of householder [1]	47.3	48.4	53.6	52.6	8.0	8.7	10.6	11.1
Family householder or spouse	37.9	26.9	24.3	24.9	82.8	72.3	67.9	66.6
Nonfamily householder	4.8	9.5	8.2	8.5	4.9	12.0	12.9	13.1
Other	10.0	13.2	13.8	14.0	4.3	7.0	8.6	9.2
Male (1,000)	**10,398**	**14,278**	**13,695**	**13,324**	**11,929**	**18,107**	**20,184**	**20,956**
Percent distribution:								
Child of householder [1]	54.3	54.3	59.7	58.8	9.5	10.5	13.3	14.2
Family householder or spouse	30.0	21.3	16.4	17.1	79.3	66.4	60.1	58.2
Nonfamily householder	5.4	11.1	9.6	9.5	6.5	15.3	16.1	16.6
Other	10.3	13.3	14.3	14.6	4.6	7.9	10.5	10.9
Female (1,000)	**11,959**	**14,844**	**14,149**	**13,787**	**12,637**	**18,689**	**20,673**	**21,097**
Percent distribution:								
Child of householder [1]	41.3	42.7	47.6	46.7	6.6	7.0	8.0	8.0
Family householder or spouse	44.7	36.2	32.0	32.4	86.1	78.1	75.5	74.9
Nonfamily householder	4.2	9.1	6.9	7.5	3.5	8.8	9.7	9.8
Other	9.7	13.1	13.3	13.4	3.9	6.2	6.7	7.5

[1] Includes unmarried college students living in dormitories.

Source: U.S. Bureau of the Census, *1970* and *1980 Census of Population*, PC(2)-4B and *Current Population Reports*, series P-20, No. 410 and forthcoming report.

Digitized by Google

No. 65. Family Groups With Children Under 18, by Race and Type: 1970 to 1986

[As of March. Based on Current Population Survey; see headnote, table 56. For definition of family types, see text, section 1]

Presence of parents and marital status	1970, total (1,000)	1980, total (1,000)	1986									
			Number (1,000)			Percent distribution			Percent, by type			
			Total [1]	White	Black	Total [1]	White	Black	All family groups	Family households	Related subfamilies	Unrelated subfamilies
Total with children under 18	**29,631**	**32,150**	**33,939**	**28,041**	**4,772**	**100.0**	**100.0**	**100.0**	**100.0**	**93.3**	**5.5**	**1.1**
Two-parent family groups	25,823	25,231	25,010	22,076	2,022	73.7	78.7	42.4	100.0	98.5	1.4	.1
One-parent family groups	3,808	6,920	8,930	5,964	2,752	26.3	21.3	57.7	100.0	78.8	17.1	4.0
Maintained by mother	3,415	6,230	7,842	5,070	2,597	23.1	18.1	54.4	100.0	77.9	17.8	4.3
Never married	248	1,063	2,276	885	1,355	6.7	3.2	28.4	100.0	62.4	34.1	3.5
Spouse absent	1,377	1,743	1,724	1,129	546	5.1	4.0	11.4	100.0	82.5	14.4	3.1
Separated	962	1,483	1,506	972	510	4.4	3.5	10.7	100.0	83.9	13.1	2.9
Divorced	1,109	2,721	3,294	2,676	561	9.7	9.5	11.8	100.0	83.6	10.4	6.0
Widowed	662	703	546	380	133	1.6	1.4	2.8	100.0	93.0	5.5	1.5
Maintained by father	393	692	1,088	894	155	3.2	3.2	3.2	100.0	85.9	12.0	2.0
Never married	20	63	205	135	60	.6	.5	1.3	100.0	75.6	23.4	1.0
Spouse absent	[2] 247	181	218	168	40	.6	.6	.8	100.0	80.7	16.5	2.8
Divorced	(NA)	340	571	513	47	1.7	1.8	1.0	100.0	89.7	8.1	2.3
Widowed	124	107	94	78	7	.3	.3	.1	100.0	97.9	2.1	-

- Represents or rounds to zero. NA Not available. [1] Includes other races, not shown separately. [2] Includes divorced.

No. 66. Families, by Size and Presence of Children: 1980 and 1986

[In thousands, except as indicated. As of March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of families, see text, section 1]

Characteristic	1980, total	1986								
		All races [1]			White		Black		Hispanic [4]	
		Total [2]	Married couple	Female householder [3]	Total [2]	Married couple	Total [2]	Married couple	Total [2]	Married couple
Total	**59,550**	**63,558**	**50,933**	**10,211**	**54,991**	**45,924**	**6,921**	**3,680**	**4,206**	**2,962**
Size of family:										
2 persons	23,461	25,472	19,276	4,684	22,896	18,017	2,176	1,004	1,059	609
3 persons	13,803	15,400	11,714	3,104	13,242	10,532	1,803	908	981	614
4 persons	12,372	13,356	11,820	1,355	11,526	10,620	1,420	844	1,048	825
5 persons	5,930	6,106	5,402	621	4,981	4,631	871	542	598	500
6 persons	2,481	2,044	1,755	262	1,574	1,441	338	195	286	229
7 or more persons	1,729	1,181	965	185	771	683	311	186	234	185
Median size (number) [5]	3.29	3.21	3.27	3.02	3.15	3.22	3.55	3.68	3.87	4.02
Own children under age 18:										
None	28,528	31,888	26,303	4,106	28,417	24,167	2,862	1,683	1,451	975
1	12,443	13,325	9,868	2,857	11,353	8,773	1,810	801	935	647
2	11,470	11,902	9,580	2,061	10,143	8,562	1,356	672	998	734
3	4,674	4,606	3,764	778	3,795	3,256	683	341	523	388
4 or more	2,435	1,837	1,418	408	1,344	1,165	410	183	299	217
Own children under age 6:										
None	46,063	48,977	39,009	7,866	42,726	35,362	5,076	2,742	2,702	1,817
1	9,441	9,847	7,921	1,695	8,291	7,003	1,255	650	955	711
2 or more	4,047	4,734	4,003	650	3,972	3,558	589	288	550	434
PERCENT DISTRIBUTION										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Size of family:										
2 persons	39.4	40.1	37.8	45.9	41.6	39.2	31.5	27.3	25.2	20.6
3 persons	22.8	24.2	23.0	30.4	24.1	22.9	26.1	24.7	23.3	20.7
4 persons	20.8	21.0	23.2	13.3	21.0	23.1	20.5	22.9	24.9	27.9
5 persons	10.0	9.6	10.6	6.1	9.1	10.1	12.6	14.7	14.2	16.8
6 persons	4.1	3.2	3.4	2.6	2.9	3.1	4.9	5.3	6.8	7.7
7 or more persons	2.9	1.9	1.9	1.8	1.4	1.5	4.5	5.1	5.6	6.2
Own children under age 18:										
None	47.9	50.2	51.6	40.2	51.7	52.6	41.4	45.7	34.5	32.9
1	20.9	21.0	19.4	28.0	20.6	19.1	23.3	21.8	22.2	21.8
2	19.3	18.7	18.8	20.2	18.4	18.6	19.6	18.3	23.7	24.8
3	7.8	7.2	7.4	7.0	6.8	7.1	9.9	9.3	12.4	13.1
4 or more	4.1	2.9	2.8	4.0	2.4	2.5	5.9	5.0	7.1	7.3
Own children under age 6:										
None	77.4	77.1	76.6	77.0	77.7	77.0	73.3	74.5	64.2	61.3
1	15.9	15.5	15.6	16.6	15.1	15.2	18.1	17.7	22.7	24.0
2 or more	6.8	7.4	7.8	6.4	7.2	7.7	8.5	7.8	13.0	14.7

[1] Includes other races, not shown separately. [2] Includes other types of families, not shown separately. [3] No spouse present. [4] Hispanic persons may be of any race. [5] For definition of median, see Guide to Tabular Presentation

Source of tables 65 and 66: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 419 and earlier reports

Digitized by Google

No. 67. Families, by Number of Own Children Under 18 Years Old: 1970 to 1986

[Except as noted, as of March, and based on Current Population Survey; see headnote, table 66. See also *Historical Statistics, Colonial Times to 1970*, series A 353–358]

Race and year	Number of families (1,000)	Percent distribution by number of own children						Average size of family
		All families	None	1	2	3	4 or more	
ALL FAMILIES [1]								
1970	51,586	100.0	44.1	18.2	17.4	10.8	9.8	3.58
1975	55,712	100.0	46.0	19.7	18.0	9.3	6.9	3.42
1980	59,550	100.0	47.9	20.9	19.3	7.8	4.1	3.29
1985	62,706	100.0	50.4	20.9	18.6	7.2	3.0	3.23
1986	63,558	100.0	50.2	21.0	18.7	7.2	2.7	3.21
WHITE FAMILIES								
1970	46,261	100.0	44.8	18.2	17.7	10.5	8.8	3.52
1975	49,451	100.0	47.2	19.4	18.0	9.2	6.2	3.36
1980	52,243	100.0	49.3	20.5	19.1	7.5	3.8	3.23
1985	54,400	100.0	51.8	20.5	18.3	6.8	2.6	3.16
1986	54,991	100.0	51.7	20.6	18.4	6.8	2.4	3.15
BLACK FAMILIES								
1970	4,887	100.0	38.9	17.8	14.8	10.1	18.5	4.13
1975	5,498	100.0	36.8	22.0	17.0	10.8	13.8	3.90
1980	6,184	100.0	36.2	23.4	20.0	10.2	8.2	3.67
1985	6,778	100.0	42.8	23.3	19.6	9.0	5.5	3.60
1986	6,921	100.0	41.4	23.3	19.8	9.9	5.9	3.55
HISPANIC FAMILIES [2]								
1970 [3]	2,004	100.0	29.8	19.5	19.4	13.3	18.1	(NA)
1975	2,447	100.0	29.4	23.1	19.7	13.4	14.5	(NA)
1980	3,029	100.0	31.2	22.4	23.0	13.4	9.9	3.90
1985	3,939	100.0	33.9	22.9	22.0	12.2	8.9	3.88
1986	4,206	100.0	34.5	22.2	23.7	12.4	7.1	3.87

NA Not available. [1] Includes other races, not shown separately. [2] Hispanic persons may be of any race.
[3] As of April. Based on Census of Population.

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1970*, and *Current Population Reports*, series P–20, No. 419, and earlier reports.

No. 68. Family Households With Own Children Under Age 18, by Type of Family, 1970 to 1986, and by Age of Householder, 1986

[As of March. Excludes members of Armed Forces except those living off post or with their families on post. Based on Current Population Survey; see text, section 1, and Appendix III]

Family type	1970	1975	1980	1985	1986						
					Total	15–24 years old	25–34 years old	35–44 years old	45–54 years old	55–64 years old	65 years old and over
Family households with children (1,000)	**28,731**	**29,944**	**31,022**	**31,112**	**31,670**	**1,915**	**11,510**	**12,371**	**4,671**	**1,067**	**134**
Married couple (1,000)	25,532	25,165	24,961	24,210	24,630	1,148	8,784	9,791	3,883	913	109
Male householder [1] (1,000)	341	478	816	896	935	73	281	374	150	49	8
Female householder [1] (1,000)	2,858	4,301	5,445	6,006	6,105	694	2,445	2,206	638	105	17
PERCENT DISTRIBUTION											
Family households with children	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Married couple	88.9	84.0	80.5	77.8	77.8	59.9	76.3	79.1	83.1	85.6	81.3
Male householder [1]	1.2	1.6	2.0	2.9	3.0	3.8	2.4	3.0	3.2	4.6	6.0
Female householder [1]	9.9	14.4	17.6	19.3	19.3	36.2	21.2	17.8	13.7	9.8	12.7
HOUSEHOLDS WITH CHILDREN, AS A PERCENT OF ALL FAMILY HOUSEHOLDS, BY TYPE											
Family households with children, total	**56.8**	**53.9**	**52.1**	**49.6**	**49.8**	**80.3**	**77.3**	**83.0**	**43.4**	**11.0**	**1.3**
Married couple	57.1	53.6	50.8	48.1	48.4	53.9	74.8	83.4	44.3	11.1	1.3
Male householder [1]	27.8	32.2	35.5	40.2	38.7	24.3	51.1	70.7	37.1	14.5	2.4
Female householder [1]	52.0	60.3	62.6	59.3	59.8	88.4	94.3	83.5	39.7	9.2	1.2

[1] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 419, and earlier reports.

Digitized by Google

No. 69. Children Under 18 Years Old, by Presence of Parents: 1970 to 1986

[As of **March**. Excludes persons under 18 years old who maintained households or family groups. It is likely that most of the sizeable increase in children living with never married mothers is the result of new and more definitive coding procedures introduced by the Census Bureau in 1982. Based on Current Population Survey; see headnote, table 66]

Race and year	Number (1,000)	Percent living with—							
		Both parents	Mother only					Father only	Neither parent
			Total	Divorced	Married, spouse absent	Single [1]	Widowed		
ALL RACES [2]									
1970	69,162	85.2	10.8	3.3	4.7	.8	2.0	1.1	2.9
1980	63,427	76.7	18.0	7.5	5.7	2.8	2.0	1.7	3.6
1985	62,475	73.9	20.9	8.5	5.4	5.6	1.5	2.5	2.7
1986	62,753	73.9	21.0	8.5	5.3	5.7	1.4	2.5	2.6
WHITE									
1970	58,790	89.5	7.8	3.1	2.6	.2	1.7	.9	1.8
1980	52,242	82.7	13.5	7.0	3.9	1.0	1.7	1.6	2.2
1985	50,836	80.0	15.8	8.1	4.1	2.1	1.3	2.4	2.0
1986	50,931	79.9	15.7	8.2	4.1	2.3	1.2	2.5	1.9
BLACK									
1970	9,422	58.5	29.5	4.6	16.3	4.4	4.2	2.3	9.7
1980	9,375	42.2	43.9	10.9	18.2	12.8	4.0	1.9	11.9
1985	9,479	39.5	51.0	11.3	12.4	24.8	2.5	2.9	6.6
1986	9,532	40.8	50.6	11.1	12.0	24.9	2.6	2.4	6.3
HISPANIC [3]									
1970	[4] 4,006	77.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1980	5,459	75.4	19.6	5.9	8.2	4.0	1.5	1.5	3.5
1985	6,057	67.9	26.6	7.3	11.1	8.5	1.7	2.2	3.3
1986	6,430	66.5	27.7	8.6	10.7	7.0	1.4	2.7	3.1

NA Not available. [1] Never married. [2] Includes other races not shown separately. [3] Hispanic persons may be of any race. [4] All persons under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 411 and earlier and forthcoming reports.

No. 70. Female Family Householders With No Spouse Present—Characteristics, by Race: 1970 to 1986

[As of **March**. **1970** covers persons 14 years old and over; beginning **1980**, covers persons 15 years old and over. Based on Current Population Survey; see headnote, table 66]

Characteristic	Unit	White					Black				
		1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
Female family householder	1,000	**4,185**	**6,052**	**6,784**	**6,941**	**7,111**	**1,349**	**2,495**	**2,874**	**2,964**	**2,874**
Percent of all families	Percent	9.1	11.6	12.8	12.8	12.9	28.3	40.3	43.1	43.7	41.5
Median age	Years	50.4	43.7	42.9	42.7	42.4	41.3	37.4	36.0	36.0	37.9
Marital status:											
Single (never married)	Percent	9.2	10.6	12.0	11.9	12.8	16.2	27.3	30.9	33.4	35.4
Married, spouse absent	Percent	18.5	16.9	16.6	16.0	15.8	39.7	28.8	23.4	21.1	21.2
Separated	Percent	11.4	13.9	13.5	13.8	13.5	33.8	26.8	21.7	19.3	19.7
Other	Percent	7.2	3.0	3.1	2.1	2.3	5.9	1.8	1.7	1.7	1.5
Widowed	Percent	47.0	32.7	28.6	28.3	28.6	29.9	22.2	20.3	21.2	18.4
Divorced	Percent	25.3	39.8	42.8	43.8	42.8	14.2	21.9	25.4	24.5	25.1
Presence of children under 18:											
No own children	Percent	52.0	41.2	43.2	43.5	43.2	33.5	28.1	33.5	34.5	32.7
With own children	Percent	48.0	58.8	56.8	56.5	56.8	66.6	71.9	66.6	65.5	67.3
1 child	Percent	18.8	28.1	28.6	28.9	29.3	19.1	26.3	27.9	27.5	25.0
2 children	Percent	15.0	19.9	19.5	18.6	19.2	14.4	23.2	21.5	21.6	22.8
3 children	Percent	7.8	7.4	5.9	6.4	5.9	12.5	11.1	11.0	10.1	11.7
4 or more children	Percent	6.4	3.4	2.7	2.6	2.4	20.6	11.3	8.2	6.3	7.8
Mean number of children	Number	1.00	1.03	96	96	95	1.83	1.51	1.26	1.29	1.34

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 411 and earlier and forthcoming reports.

Digitized by Google

No. 71. Nonfamily Households, by Age of Householder and Presence of Nonrelatives: 1970 to 1986

[1970, persons 14 years old and over; 1980 and 1986, 15 years old and over. See headnote, table 66]

Item	Nonfamily households		Male householder (1,000)					Female householder (1,000)				
	Total (1,000)	Percent	Total	15–24 yr. old	25–44 yr. old	45–64 yr. old	65 yr. old and over	Total	15–24 yr. old	25–44 yr. old	45–64 yr. old	65 yr. old and over
1970 (April), total	**12,430**	**100.0**	**4,629**	[1] 571	**1,346**	**1,395**	**1,318**	**7,801**	[1] 512	**815**	**2,577**	**3,897**
1-person (living alone)	11,115	89.4	3,965	[1] 345	1,134	1,263	1,224	7,150	[1] 328	695	2,421	3,706
Nonrelatives present	1,315	10.6	664	[1] 226	212	132	94	651	[1] 184	120	156	191
1980 (March), total	**21,226**	**100.0**	**8,807**	**1,567**	**3,854**	**1,822**	**1,565**	**12,419**	**1,189**	**2,198**	**3,048**	**5,983**
1-person (living alone)	18,296	86.2	6,986	947	2,920	1,613	1,486	11,330	779	1,809	2,901	5,842
Nonrelatives present	2,930	13.8	1,841	620	934	209	79	1,089	410	389	147	141
1986 (March), total	**24,900**	**100.0**	**10,648**	**1,263**	**5,399**	**2,206**	**1,781**	**14,252**	**1,845**	**3,203**	**3,235**	**6,788**
1-person (living alone)	21,178	85.1	8,285	735	3,952	1,918	1,681	12,893	854	2,571	3,031	6,636
Nonrelatives present	3,722	14.9	2,363	549	1,446	288	79	1,359	992	631	204	132

[1] Persons 14–24 years old.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. II, part 4B; *Current Population Reports*, series P–20, No. 419 and unpublished data.

No. 72. Nonfamily Householders, by Marital Status: 1970 to 1986

[In thousands of persons. As of March. 1970, persons 14 years old and over; 1980 and 1986, persons 15 years old and over. Based on Current Population Survey; see headnote, table 66]

Marital status	1970	1980	1986				Marital status	1970	1980	1986			
			Total	Under 35 yr.	35–64 yr.	65 yr. old and over				Total	Under 35 yr.	35–64 yr.	65 yr. old and over
Males	**4,063**	**8,807**	**10,648**	**4,771**	**4,117**	**1,761**	**Females**	**7,882**	**12,419**	**14,252**	**3,074**	**4,469**	**6,788**
Single	1,765	4,371	5,237	3,568	1,328	320	Single	1,608	3,302	3,819	2,446	939	435
Married [1]	545	1,051	1,199	403	667	130	Married [1]	516	675	759	172	404	183
Widowed	996	1,177	1,239	8	228	1,004	Widowed	4,915	6,569	7,088	19	1,383	5,685
Divorced	756	2,209	2,974	773	1,893	308	Divorced	844	1,873	2,606	436	1,683	486

[1] No spouse present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418 and earlier reports; and unpublished data.

No. 73. Persons Living Alone, by Sex and Age: 1970 to 1986

[As of March. Based on Current Population Survey; see headnote, table 66]

Sex and age	Number of persons (1,000)							Percent distribution			
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1986
Both sexes	**10,851**	**13,939**	**18,296**	**19,250**	**19,954**	**20,602**	**21,178**	**100.0**	**100.0**	**100.0**	**100.0**
15–24 years [1]	556	1,111	1,726	1,303	1,309	1,324	1,388	5.1	8.0	9.4	6.6
25–44 years	1,604	2,744	4,729	5,576	5,869	6,226	6,523	14.8	19.7	25.8	30.8
45–64 years	3,622	4,076	4,514	4,515	4,610	4,939	4,949	33.4	29.2	24.7	23.4
65 years old and over	5,071	6,008	7,328	7,856	7,966	8,112	8,318	46.7	43.1	40.1	39.3
Male	**3,532**	**4,918**	**6,966**	**7,451**	**7,529**	**7,922**	**8,285**	**32.5**	**35.3**	**38.1**	**39.1**
15–24 years [1]	274	610	947	672	698	750	735	2.5	4.4	5.2	3.5
25–44 years	933	1,689	2,920	3,441	3,455	3,713	3,952	8.6	12.1	16.0	18.7
45–64 years	1,152	1,329	1,613	1,714	1,779	1,845	1,918	10.6	9.5	8.8	9.1
65 years old and over	1,174	1,290	1,486	1,624	1,595	1,614	1,681	10.8	9.3	8.1	7.9
Female	**7,319**	**9,021**	**11,330**	**11,799**	**12,425**	**12,680**	**12,893**	**67.5**	**64.7**	**61.9**	**60.9**
15–24 years [1]	282	501	779	631	609	573	654	2.6	3.6	4.3	3.1
25–44 years	671	1,055	1,809	2,135	2,414	2,514	2,571	6.2	7.6	9.9	12.1
45–64 years	2,470	2,747	2,901	2,801	3,031	3,095	3,031	22.8	19.7	15.9	14.3
65 years old and over	3,897	4,718	5,842	6,232	6,371	6,498	6,636	35.9	33.8	31.9	31.3

[1] 1970 and 1975, persons 14–24 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–20, No. 418 and earlier reports; and unpublished data.

Digitized by Google

No. 74. Population in Institutions and Other Group Quarters, by Sex and Type of Quarters: 1960 to 1980

[In thousands. As of **April 1.** Based on sample data and subject to sampling variability; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970,* series A 359–371, for inmates of institutions]

TYPE OF QUARTERS	1960	1970			1980		
		Total	Male	Female	Total	Male	Female
Total	**4,902**	**5,786**	**3,438**	**2,349**	**5,738**	**3,153**	**2,586**
Institutional inmates	1,687	2,127	1,126	1,000	2,492	1,231	1,261
Homes for the aged and dependent	470	928	299	629	1,426	422	1,004
Mental hospitals and residential treatment centers	630	434	245	189	255	157	99
Correctional institutions	346	328	314	15	466	439	27
Tuberculosis hospitals	65	17	12	5	8	6	1
Chronic disease hospitals (excl. TB and mental)	42	67	38	29	61	36	25
Homes and schools for the mentally handicapped	175	202	114	88	149	85	65
Homes and schools for the physically handicapped	24	23	16	6	27	15	12
Homes for dependent and neglected children	73	48	28	19	38	24	14
Homes for unwed mothers	3	4	(Z)	4	2	–	2
Training schools for juvenile delinquents	46	66	53	14	42	34	8
Detention homes	11	10	7	4	17	14	3
College dormitories	829	1,765	891	874	1,994	989	1,006
Military quarters	868	1,025	1,005	20	671	613	58
Rooming and boarding houses	634	330	191	139	176	107	69
Other	684	539	224	315	404	212	192

– Represents or rounds to zero. Z Fewer than 500.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960,* vol. I, chapter D, and vol. II; *Census of Population: 1970,* vols. I and II; and *1980 Census of Population,* vol. 2 (PC80–2–4D).

No. 75. Religious Preference, Church Membership and Attendance: 1957 to 1986

[In percent. Covers civilian noninstitutional population, 18 years old and over. Data represent averages of the combined results of several surveys during year. Data are subject to sampling variability, see source]

YEAR	RELIGIOUS PREFERENCE					Church/ synagogue members	Persons attending church/ synagogue [1]	AGE AND REGION	Church/ synagogue members, 1986
	Protestant	Catholic	Jewish	Other	None				
1957	66	26	3	1	3	[2] 73	47	18–29 years old	63
1967	67	25	3	3	2	[3] 73	43	30–49 years old	67
1975	62	27	2	4	6	71	41	50 years and over	75
1980	61	28	2	2	7	69	40		
								East [4]	70
1984	57	28	2	4	9	68	40	Midwest [5]	71
1985	57	28	2	4	9	71	42	South [6]	74
1986	59	27	2	4	8	69	40	West [7]	57

[1] Persons who attended a church or synagogue in the last seven days. [2] 1952 data. [3] 1965 data. [4] ME, NH, RI, NY, CT, VT, MA, NJ, PA, WV, DE, MD, and DC. [5] OH, IN, IL, MI, MN, WI, IA, ND, SD, KS, NE, and MO. [6] KY, TN, VA, NC, SC, GA, FL, AL, MS, TX, AR, OK, and LA. [7] AZ, NM, CO, NV, MT, ID, WY, UT, CA, WA, OR, AK, and HI.

Source: Gallup Opinion Poll, Princeton, NJ, "Religion in America" in *The Gallup Report,* periodic.

No. 76. Religious Bodies—Church Membership, 1960 to 1985, and Number of Churches, 1985

[Membership in thousands, except as indicated. See headnote, table 77. See also *Historical Statistics, Colonial Times to 1970,* series H 793–799]

RELIGIOUS BODY	MEMBERSHIP						Number of churches, 1985
	1960	1970	1975	1980	1984	1985	
Total	**114,449**	**131,045**	**131,013**	**134,817**	**142,172**	**142,926**	**345,961**
Members as percent of population [1]	64	63	61	59	60	60	(X)
Average members per local church	359	399	393	401	409	413	(X)
Buddhist Churches of America	20	100	60	60	100	100	100
Eastern Churches	2,699	3,850	3,696	3,823	4,053	4,026	1,659
Jews [2]	5,367	5,870	6,115	5,920	5,817	5,835	3,416
Old Catholic, Polish National Catholic, and Armenian Churches	590	848	846	924	1,024	1,024	428
The Roman Catholic Church	42,105	48,215	48,882	50,450	52,286	52,655	24,251
Protestants [3]	63,669	71,713	71,043	73,479	78,702	79,096	314,983
Miscellaneous [4]		449	372	161	190	191	1,124

X Not applicable. [1] Based on Bureau of the Census estimated total population as of July 1. [2] Estimates of the Jewish community including those identified with Orthodox, Conservative and Reformed synagogues or temples. [3] Includes nonprotestant bodies such as "Latter-day Saints" and "Jehovah's Witnesses." [4] Includes non-Christian bodies such as "Spiritualists," "Ethical Culture Movement," and "Unitarian-Universalists."

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches,* annual. (Copyright.)

Digitized by Google

No. 77. Religious Bodies—Selected Data

[Represents latest information available from religious bodies with memberships of 50,000 or more; excludes a few groups giving no data. Not all groups follow same calendar year nor count membership in same way; some groups give only approximate figures. Roman Catholics count all baptized persons, including infants; Jewish statistics are estimates of the number of persons living in Jewish households including as a consequence of intermarriage, approximately 7.4 percent non-Jewish persons. Eastern Orthodox Churches include all persons in their nationality or cultural groups; most Protestant bodies count only persons who have attained full membership, and previous estimates have indicated that all but a small minority of these are over 13 years of age; however, many Lutheran bodies and The Episcopal Church report all baptized persons, and not only those confirmed. Data which appear in italics are "noncurrent," i.e., they are reported for 1984 or earlier. All other data are "current" and were reported in 1985 or 1986]

Religious body	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment[1] (1,000)
Total	(X)	**345,961**	**142,926**	**325,111**	**29,660**
Bodies with membership of 50,000 or more	(X)	**330,480**	**141,475**	**314,032**	**29,279**
Current data	(X)	209,479	108,552	217,970	29,279
Noncurrent data	(X)	*121,001*	*32,923*	*96,062*	(NA)
African Methodist Episcopal Church	*1981*	*6,200*	*2,210*	*6,050*	(NA)
African Methodist Episcopal Zion Church	*1984*	*6,057*	*1,202*	*6,000*	(NA)
American Baptist Association	*1983*	*1,641*	*225*	(NA)	(NA)
American Baptist Churches in the U.S.A.	1985	5,814	1,660	4,903	395
American Carpatho-Russian Orthodox Greek Catholic Church	*1976*	*70*	*100*	*61*	(NA)
American Lutheran Church, The	1985	4,940	2,332	4,679	578
Antiochian Orthodox Christian Archdiocese of North America, The	*1984*	*120*	*280*	*155*	(NA)
Apostolic Catholic Assyrian Church of the East, N. American Diocese	*1984*	*24*	*80*	*54*	(NA)
Apostolic Overcoming Holy Church of God	*1958*	*300*	*75*	*300*	(NA)
Armenian Apostolic Church of America	1985	27	225	20	23
Armenian Church of America, Diocese of the	*1979*	*66*	*450*	*45*	(NA)
Assemblies of God	1985	10,761	2,083	14,906	1,443
Baptist Bible Fellowships, International	1986	3,449	1,406	3,400	750
Baptist General Conference	1986	753	133	1,070	79
Baptist Missionary Association of America	1985	1,367	228	1,500	99
Buddhist Churches of America	*1984*	*100*	*100*	*70*	(NA)
Bulgarian Eastern Orthodox Church (Diocese of N. and S. America and Australia)	*1971*	*13*	*86*	(NA)	(NA)
Christian and Missionary Alliance, The	1985	1,646	228	1,686	166
Christian Church (Disciples of Christ)	1985	4,214	1,116	4,040	341
Christian Churches and Churches of Christ	1985	5,487	1,051	(NA)	(NA)
Christian Congregation, Inc., The	1985	1,441	104	1,441	57
Christian Methodist Episcopal Church	*1983*	*2,340*	*719*	*2,340*	(NA)
Christian Reformed Church in North America	1985	650	220	(NA)	56
Church of God, The	*1978*	*2,035*	*78*	*1,910*	(NA)
Church of God (Anderson, IN)	1985	2,291	186	1,924	203
Church of God (Cleveland, TN)	*1984*	*5,948*	*506*	*6,341*	(NA)
Church of God in Christ, The	*1982*	*9,862*	*3,710*	*9,204*	(NA)
Church of God in Christ, International, The	*1982*	*300*	*200*	*700*	(NA)
Church of God of Prophecy, The	1985	2,051	74	5,976	92
Church of Jesus Christ of Latter-day Saints, The	1985	8,396	3,860	25,188	3,587
Church of the Brethren	1985	1,045	159	984	61
Church of the Nazarene	1985	4,988	522	4,058	815
Churches of Christ	1985	13,150	1,604	(NA)	(NA)
Community Churches, International Council of	1986	350	200	(NA)	(NA)
Congregational Christian Churches, National Association of	1985	464	108	563	(NA)
Conservative Baptist Association of America	*1982*	*1,140*	*225*	(NA)	(NA)
Coptic Orthodox Church	1986	28	115	28	(NA)
Cumberland Presbyterian Church	1985	818	98	583	47
Episcopal Church, The	1985	7,274	2,739	7,909	551
Evangelical Covenant Church, The	1985	566	85	502	72
Evangelical Free Church of America	1986	880	98	(NA)	(NA)
Evangelical Lutheran Church, The Association of	*1982*	*272*	*111*	*334*	(NA)
Free Methodist Church of North America	1985	1,048	72	936	110
Free Will Baptists	1985	2,548	218	2,800	163
Friends United Meeting	1985	536	57	327	26
Full Gospel Fellowship of Churches and Ministers, International	1985	450	65	850	45
General Association of Regular Baptist Churches	*1981*	*1,571*	*301*	*2,000*	(NA)
General Baptists (General Association of)	1985	875	73	(NA)	(NA)
Greek Orthodox Archdiocese of North and South America	*1977*	*535*	*1,950*	*610*	(NA)
Independent Fundamental Churches of America	*1980*	*1,019*	*120*	*782*	(NA)
International Church of the Foursquare Gospel	1985	1,185	178	1,264	64
Jehovah's Witnesses	1985	8,220	730	–	–
Jews[2]	1985	3,418	5,835	(NA)	(NA)
Liberty Baptist Fellowship	*1983*	*267*	*130*	*374*	(NA)
Lutheran Church in America	1985	5,817	2,898	5,199	651

See footnotes at end of table.

Digitized by Google

No. 77. Religious Bodies—Selected Data—Continued

[See headnote, p. 53]

Religious body	Year	Churches reported	Membership (1,000)	Pastors serving parishes	Sunday school enrollment [1] (1,000)
Bodies with membership of 50,000 or more—Con.					
Lutheran Church—Missouri Synod, The	1985	5,876	2,638	5,093	654
Mennonite Church	1985	989	91	1,562	112
National Baptist Convention of America	*1956*	*11,398*	*2,669*	*7,598*	(NA)
National Baptist Convention, U.S.A., Inc	*1958*	*26,000*	*5,500*	*26,000*	(NA)
National Primitive Baptist Convention, Inc	*1975*	*606*	*250*	*460*	(NA)
North American Old Roman Catholic Church	1985	130	62	107	12
Orthodox Church in America	*1978*	*440*	*1,000*	*457*	(NA)
Pentecostal Church of God	1985	1,142	90	(NA)	79
Pentecostal Holiness Church, International	*1984*	*1,481*	*113*	*1,530*	(NA)
Plymouth Brethren	*1984*	*1,150*	*98*	(NA)	(NA)
Polish National Catholic Church of America	*1960*	*162*	*282*	*141*	(NA)
Presbyterian Church in America	1985	878	178	(NA)	85
Presbyterian Church (U.S.A.)	1985	11,554	3,048	10,832	1,124
Primitive Baptists	*1960*	*1,000*	*72*	(NA)	(NA)
Progressive National Baptist Convention, Inc	*1967*	*655*	*522*	(NA)	(NA)
Reformed Church in America	1985	926	342	848	101
Reorganized Church of Jesus Christ of Latter-day Saints	1985	1,101	192	16,411	(NA)
Roman Catholic Church, The	1985	24,251	52,655	35,155	7,365
Romanian Orthodox Episcopate of America	1985	34	60	28	2
Russian Orthodox Church Outside of Russia, The	*1955*	*81*	*55*	*92*	(NA)
Salvation Army, The	1985	1,088	428	2,553	109
Serbian Eastern Orthodox Church in the U.S.A. and Canada	*1982*	*78*	*97*	*57*	(NA)
Seventh-day Adventists	1985	4,009	652	2,127	473
Southern Baptist Convention	1985	36,898	14,477	38,880	7,950
Triumph the Church and Kingdom of God in Christ (International)	*1972*	*475*	*54*	*860*	(NA)
Ukrainian Orthodox Church in the U.S.A.	*1966*	*107*	*88*	*107*	(NA)
Unitarian Universalist Association	1985	948	172	(NA)	38
United Church of Christ	1985	6,408	1,684	5,103	451
United Methodist Church, The	*1984*	*37,990*	*9,267*	*21,430*	(NA)
United Pentecostal Church, International	1985	3,408	500	(NA)	(NA)
Wesleyan Church, The	1985	1,714	110	1,464	199
Wisconsin Evangelical Lutheran Synod	1985	1,179	415	1,069	49
Bodies with membership of less than 50,000	(x)	15,481	1,451	11,079	381

– Represents zero. NA Not available. X Not applicable. [1] Includes pupils, officers, and teachers. [2] Estimate of size of Jewish community provided by American Jewish Yearbook.

Source: National Council of the Churches of Christ in the United States of America, New York, NY, *Yearbook of American and Canadian Churches*, annual. (Copyright.)

No. 78. Religious Television Program Viewing, by Selected Characteristics: 1987

[In percent. As of April. Covers civilian noninstitutional population, 18 years old and over. Based on a sample of 1,571 adults and subject to sampling variability; contact source]

Characteristic	Percentage who watch religious television		Percent who don't watch	Characteristic	Percentage who watch religious television		Percent who don't watch
	Total [1]	Weekly			Total [1]	Weekly	
Total [2]	**49**	**25**	**51**	Region: [3]			
Age:				East	36	17	64
18–29 years old	39	18	61	Midwest	46	21	54
30–49 years old	47	22	53	South	62	37	38
50 years and over	58	33	42	West	48	21	52
Sex:				Education:			
Male	44	21	56	Not high school graduate	64	41	36
Female	53	29	47	High school graduate	46	22	54
Race:				Some college	45	20	55
White	46	23	54	College graduate	42	18	58
Black	68	39	32	Religious belief:			
				Evangelicals	79	46	21
				Nonevangelicals	36	15	64

[1] Includes those who watched religious television program 8 or more days ago. [2] Includes other races, not shown separately. [3] See footnotes 4, 5, 6, and 7, table 75.

Source: Gallup Opinion Poll, Princeton, NJ, press release.

Digitized by Google

NO. 79. CHRISTIAN CHURCH ADHERENTS, 1980, AND JEWISH POPULATION, 1986—STATES

[Christian church adherents were defined as "all members, including full members, their children and the estimated number of other regular participants who are not considered as communicant, confirmed or full members." Data on Christian church adherents are based on reports of 111 church bodies and exclude 18 church bodies that reported more than 100,000 members to the *Yearbook of American and Canadian Churches* (see table 77): African Methodist Episcopal Church; Progressive National Baptist Convention, Inc.; National Primitive Baptist Convention, Inc.; National Baptist Convention, U.S.A., Inc.; National Baptist Convention of America; Church of God in Christ, International; Church of God in Christ; Jehovah's Witnesses; United Pentecostal Church International; Polish National Catholic Church of America; General Association of Regular Baptist Churches; Free Will Baptists; Church of God of Prophecy; National Council of Community Churches; Reorganized Church of Jesus Christ of Latter Day Saints; Independent Fundamental Churches of America; Pentecostal Church of God of America, Inc.; and Wesleyan Church. Data on Jewish population are based primarily on a compilation of individual estimates made by local Jewish federations. Additionally, most large communities have completed Jewish demographic surveys from which the Jewish population can be determined. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	CHRISTIAN CHURCH ADHERENTS, 1980		JEWISH POPULATION, 1986	
	Number (1,000)	Percent of population [1]	Number (1,000)	Percent of population [1]
U.S	**111,736**	**48.3**	**5,814**	**2.5**
Region:				
Northeast	27,029	55.0	3,092	6.2
Midwest	31,204	53.0	657	1.1
South	37,516	49.8	1,066	1.3
West	15,986	37.0	997	2.1
New England	**7,381**	**59.8**	**417**	**3.3**
Maine	461	41.0	9	.8
New Hampshire	407	44.2	7	.7
Vermont	244	47.7	4	.7
Massachusetts	3,660	64.0	273	4.7
Rhode Island	710	75.0	18	1.8
Connecticut	1,890	60.8	107	3.4
Middle Atlantic	**19,649**	**53.4**	**2,675**	**7.2**
New York	8,548	48.7	1,911	10.8
New Jersey	3,923	53.3	421	5.6
Pennsylvania	7,177	60.5	343	2.9
East North Central	**20,969**	**50.3**	**532**	**1.3**
Ohio	5,306	49.1	138	1.3
Indiana	2,451	44.8	20	.4
Illinois	6,251	54.7	260	2.2
Michigan	3,932	42.5	82	.9
Wisconsin	3,029	64.4	31	.7
West North Central	**10,235**	**59.8**	**126**	**.7**
Minnesota	2,644	64.9	31	.8
Iowa	1,781	61.1	7	.2
Missouri	2,813	53.1	65	1.3
North Dakota	462	73.8	1	.1
South Dakota	462	66.9	1	.1
Nebraska	990	63.1	7	.4
Kansas	1,262	53.4	15	.6
South Atlantic	**16,247**	**44.0**	**903**	**2.3**
Delaware	238	40.1	10	1.6
Maryland	1,673	39.7	203	4.6
District of Columbia	304	47.8	24	3.9
Virginia	2,221	41.5	60	1.1
West Virginia	772	39.6	4	.2
North Carolina	3,169	53.9	14	.2
South Carolina	1,603	51.3	8	.2
Georgia	2,560	46.9	60	1.0
Florida	3,707	38.0	519	4.7
East South Central	**8,079**	**55.1**	**45**	**.3**
Kentucky	1,979	54.1	12	.3
Tennessee	2,485	54.1	20	.4
Alabama	2,230	57.3	10	.3
Mississippi	1,385	54.9	3	.1
West South Central	**13,199**	**55.5**	**120**	**.5**
Arkansas	1,282	56.1	2	.1
Louisiana	2,404	57.2	17	.4
Oklahoma	1,751	57.9	8	.2
Texas	7,752	54.5	95	.6
Mountain	**5,241**	**46.1**	**141**	**1.1**
Montana	348	44.2	(z)	.1
Idaho	472	50.0	(z)	.1
Wyoming	207	44.0	(z)	.1
Colorado	1,052	38.4	46	1.5
New Mexico	767	58.9	6	.4
Arizona	1,065	39.2	64	2.1
Utah	1,097	75.1	3	.2
Nevada	233	29.1	19	2.1
Pacific	**10,745**	**33.8**	**896**	**2.8**
Washington	1,275	30.9	23	.5
Oregon	946	35.9	11	.4
California	8,082	34.1	814	3.2
Alaska	123	30.8	1	.2
Hawaii	319	33.1	8	.7

Z Fewer than 500. [1] Based on U.S. Bureau of the Census data for resident population enumerated as of April 1, 1980 and estimated as of July 1986.

Source: Christian church adherents—B. Quinn, H. Anderson, M. Bradley, P. Goetting, and P. Shriver, *Churches and Church Membership in the United States 1980*, Glenmary Research Center, Atlanta, GA, 1982 (copyright); Jewish population—American Jewish Committee and the American Jewish Publication Society, New York, NY, *American Jewish Year Book, 1987* (copyright).

NO. 80. NATIONAL NONPROFIT ASSOCIATIONS—NUMBER, BY TYPE: 1970 TO 1986

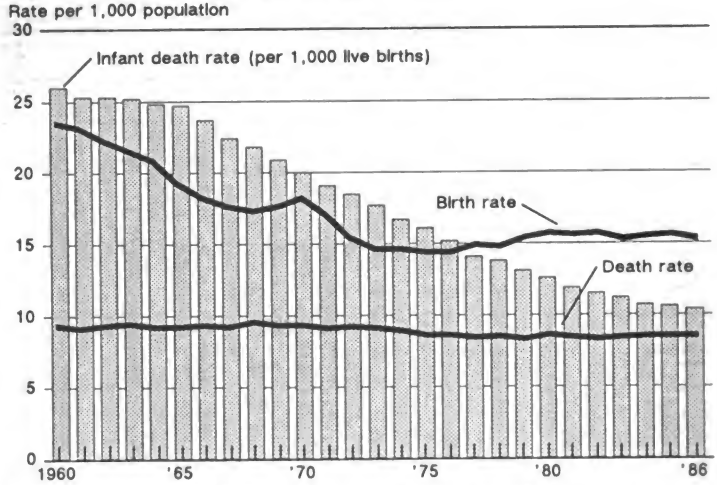
TYPE	1970	1980	1985	1986
Total	[1] 10,734	14,726	19,121	20,076
Trade, business, commercial	2,895	3,118	3,719	3,861
Agriculture	508	677	882	889
Legal, governmental, public administration, military	346	529	658	686
Scientific, engineering, tech	548	1,039	1,270	1,309
Educational and cultural	1,383	2,376	2,822	2,651
Social welfare	475	994	1,450	1,843
Health, medical	830	1,413	1,886	1,992
Public affairs	498	1,068	1,935	2,148
Fraternal, foreign interest, nationality, ethnic	810	435	492	531
Religious	806	797	953	961
Veteran, hereditary, patriotic	198	208	281	326
Hobby, avocational	444	910	1,311	1,356
Athletic sports	336	504	737	786
Labor unions	226	235	252	226
Chambers of Commerce [2]	110	105	142	152
Greek letter societies	334	318	331	333

[1] Includes associations not shown separately. [2] National and binational.

Source: Gale Research Co., Detroit, MI. Compiled from *Encyclopedia of Associations*, annual. (Copyright.)

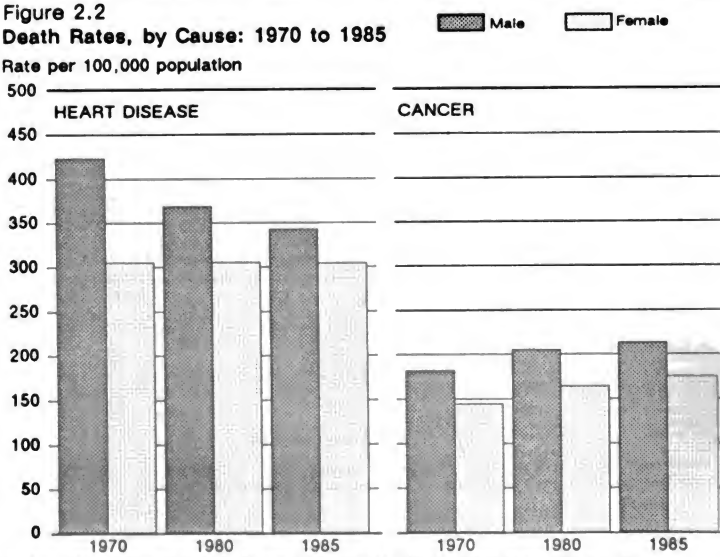
Digitized by Google

Figure 2.1
Birth and Death Rates: 1960 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 81.

Figure 2.2
Death Rates, by Cause: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 120 and 121.

Digitized by Google



Section 2

Vital Statistics

This section presents vital statistics—data on births; deaths; abortions; fetal deaths, including stillbirths; fertility; life expectancy; marriages; and divorces. Vital statistics are compiled for the country as a whole by the National Center for Health Statistics (NCHS) and published in its annual report, *Vital Statistics of the United States*, in certain reports of the *Vital and Health Statistics* series, and in the *Monthly Vital Statistics Report*. Reports in this field are also issued by the various State bureaus of vital statistics. Data on fertility, on age of persons at first marriage, and on marital status and marital history are compiled by the Bureau of the Census from its Current Population Survey (CPS; see text, section 1) and published in *Current Population Reports*, series P-20. Data on abortions are published by the Alan Guttmacher Institute, New York, NY in selected issues of *Family Planning Perspectives* and by the U.S. Centers for Disease Control in the annual *Abortion Surveillance Report—Legal Abortions*.

Registration of vital events.—The registration of births, deaths, fetal deaths, and other vital events in the United States is primarily a State and local function. The civil laws of every State provide for a continuous and permanent birth- and death-registration system. Many States also provide for marriage- and divorce-registration systems. Vital events occurring to U.S. residents outside the United States are not included in the data.

Births and deaths.—The live-birth, death, and fetal- death statistics prepared by NCHS are based on copies of vital records received from registration offices of all States, of New York City, and of the District of Columbia. The annual collection of death statistics on a national basis began in 1900 with a national death-registration area of 10 States and the District of Columbia; a similar annual collection of birth statistics for a national birth-registration area began in 1915, also with 10 reporting States and the District of Columbia. Since 1933, the birth- and death-registration areas have comprised the entire United States, including Alaska (beginning 1959) and Hawaii (beginning 1960). National statistics on fetal deaths were first compiled for 1918 and annually since 1922.

Prior to 1951, birth statistics came from a complete count of records received in the Public Health Service (now received in NCHS). From 1951 through 1971, they were based on a 50-percent sample of all registered births (except for a complete count in 1955 and a 20- to 50-percent sample in 1967). Beginning in 1972, they have been based on a complete count for States in the Cooperative Health Statistics System (for details, see the technical appendix in *Vital Statistics of the United States*) and on a 50-percent sample of all other areas. Mortality data have been based on a complete count of records for each area (except for a 50-percent sample in 1972). Beginning in 1970, births to, and deaths of nonresident aliens of the United States and U.S. citizens outside the United States have been excluded from the data. Fetal deaths and deaths among Armed Forces abroad are excluded. Data based on samples are subject to sampling error; for details, see annual issues of *Vital Statistics of the United States*.

Mortality statistics by cause of death are compiled in accordance with World Health Organization regulations according to the *International Classification of Diseases* (ICD). The ICD is revised approximately every 10 years. The ninth revision of the ICD was employed beginning in 1979. Deaths for prior years were classified according to the revision of the ICD in use at the time. Each revision of the ICD introduces a number of discontinuities in mortality statistics; for a discussion of those between the eighth and ninth revisions of the ICD, see *Monthly Vital Statistics Report*, vol. 28, No. 11, supplement.

Some of the tables present age-adjusted death rates in addition to crude death rates. Age adjusted death rates shown in this section were prepared using the direct method, in which age- specific death rates for a population of interest are applied to a standard population distributed by age. Age adjustment eliminates the differences in observed rates between points in time or among compared population groups that result from age differences in population composition.

Abortions.—The U.S. Centers for Disease Control (CDC) collects data on abortions annually from States which have a central health agency with a statewide reporting system. The Alan Gutt-

Digitized by Google

macher Institute, New York, NY also issues data on the number of abortions based on its own surveys of hospitals and physicians. The Guttmacher Institute also publishes data on the characteristics of abortions after adjusting CDC data for changes in the number of States reporting each year.

Fertility and life expectancy.—The total fertility rate, defined as the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year, is compiled and published by NCHS. Other data relating to social and medical factors which affect fertility rates, such as contraceptive use and birth expectations, are collected and made available by both NCHS and the Bureau of the Census. NCHS figures are based on information in birth and fetal death certificates and on the periodic National Surveys of Family Growth; Bureau of the Census data are based on decennial censuses and the CPS.

Data on life expectancy, the average remaining lifetime in years for persons who attain a given age, are computed and published by NCHS. For details, see the technical appendix in *Vital Statistics of the United States.*

Marriage and divorce.—The compilation of nationwide statistics on marriages and divorces in the United States began in 1887-1888 when the National Office of Vital Statistics prepared estimates for the years 1867-1886. Although periodic updates took place after 1888, marriage and divorce statistics were not collected and published annually until 1944 by that Office. In 1957 and 1958, respectively, the same Office established marriage- and divorce-registration areas. Beginning in 1957, the marriage-registration area comprised 30 States, plus Alaska, Hawaii, Puerto Rico, and the Virgin Islands; it currently includes 42 States and the District of Columbia. The divorce- registration area, starting in 1958 with 14 States, Alaska, Hawaii, and the Virgin Islands, currently includes a total of 31 States and the Virgin Islands. Procedures for estimating the number of marriages and divorces in the registration States are discussed in *Vital Statistics of the United States,* Vol. III—*Marriage and Divorce.* Total counts of events for registration and nonregistration States are gathered by collecting already summarized data on marriages and divorces reported by State offices of vital statistics and by county offices of registration.

Another important source of data on marriage and divorce trends in the United States is the March supplement to the Current Population Survey conducted by the Bureau of the Census. For information on marital status, see section 1.

Vital statistics rates.—Except as noted, vital statistics rates computed by NCHS are based on decennial census population figures as of April 1 for 1940, 1950, 1960, 1970, and 1980; and on midyear population figures for other years, as estimated by the Bureau of the Census (see text section 1).

Race.—Data by race for births, deaths, marriages, and divorces from NCHS are based on information contained in the certificates of registration. The Census Bureau's Current Population Survey obtains information on race by asking respondents to classify their race as 1) White, 2) Black, 3) American Indian, Eskimo, or Aleut, or 4) Asian or Pacific Islander.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures, and measures of statistical reliability applicable to Census Bureau and NCHS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Digitized by Google

No. 81. Live Births, Deaths, Marriages, and Divorces: 1910 to 1986

[Prior to 1960, excludes Alaska and Hawaii. Figures for deaths and death rates for 1910–1930 are for death-registration States only. Beginning 1970, excludes births to, and deaths of, nonresidents of the U.S. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 1–5, B 142, B 167, B 214, and B 216]

Year	Number (1,000)					Rate per 1,000 population				
	Births [1]	Deaths		Marriages [2]	Divorces [3]	Births [1]	Deaths		Marriages [2]	Divorces [3]
		Total	Infant [2]				Total	Infant [2]		
1910	2,777	697	(NA)	948	83	30.1	14.7	(NA)	10.3	.9
1915	2,965	916	78	1,008	104	29.5	13.2	99.9	10.0	1.0
1920	2,950	1,118	130	1,274	171	27.7	13.0	85.8	12.0	1.6
1925	2,909	1,192	135	1,188	175	25.1	11.7	71.7	10.3	1.5
1930	2,618	1,327	142	1,127	196	21.3	11.3	64.6	9.2	1.6
1935	2,377	1,393	120	1,327	218	18.7	10.0	55.7	10.4	1.7
1940	2,559	1,417	111	1,596	264	19.4	10.8	47.0	12.1	2.0
1945	2,858	1,402	105	1,613	485	20.4	10.6	38.3	12.2	3.5
1950	3,632	1,452	104	1,667	385	24.1	9.6	29.2	11.1	2.6
1955	4,097	1,529	107	1,531	377	25.0	9.3	26.4	9.3	2.3
1957	4,300	1,633	112	1,518	381	25.3	9.6	26.3	8.9	2.2
1960	4,258	1,712	111	1,523	393	23.7	9.5	26.0	8.5	2.2
1965	3,760	1,828	93	1,800	479	19.4	9.4	24.7	9.3	2.5
1966	3,606	1,863	86	1,857	499	18.4	9.5	23.7	9.5	2.5
1967	3,521	1,851	79	1,927	523	17.8	9.4	22.4	9.7	2.6
1968	3,502	1,930	76	2,069	584	17.6	9.7	21.8	10.4	2.9
1969	3,600	1,922	75	2,145	639	17.9	9.5	20.7	10.6	3.2
1970	3,731	1,921	75	2,159	708	18.4	9.5	20.0	10.6	3.5
1971	3,556	1,928	68	2,190	773	17.2	9.3	19.1	10.6	3.7
1972	3,258	1,964	60	2,282	845	15.6	9.4	18.5	10.9	4.0
1973	3,137	1,973	56	2,284	915	14.8	9.3	17.7	10.8	4.3
1974	3,160	1,934	53	2,230	977	14.6	9.1	16.7	10.5	4.6
1975	3,144	1,893	51	2,153	1,036	14.6	8.8	16.1	10.0	4.8
1976	3,168	1,900	48	2,155	1,083	14.6	8.6	15.2	9.9	5.0
1977	3,327	1,900	47	2,178	1,091	15.1	8.6	14.1	9.9	5.0
1978	3,333	1,928	46	2,282	1,130	15.0	8.7	13.8	10.3	5.1
1979	3,494	1,914	46	2,331	1,181	15.6	8.5	13.1	10.4	5.3
1980	3,612	1,990	46	2,390	1,189	15.9	8.8	12.6	10.6	5.2
1981	3,629	1,978	43	2,422	1,213	15.8	8.6	11.9	10.6	5.3
1982	3,681	1,975	42	2,456	1,170	15.9	8.5	11.5	10.6	5.0
1983	3,639	2,019	41	2,446	1,158	15.5	8.6	11.2	10.5	4.9
1984	3,669	2,039	40	2,477	1,169	15.5	8.6	10.8	10.5	5.0
1985	3,761	2,086	40	[5] 2,425	[5] 1,187	15.6	8.7	10.6	[5] 10.2	[5] 5.0
1986, prel	3,731	2,099	39	2,400	1,159	15.5	8.7	10.4	10.0	4.8

NA Not available. [1] Through 1957, adjusted for underregistration. [2] Infants under 1 year, excluding fetal deaths; rates per 1,000 registered live births. [3] Includes estimates for some States through 1969 and also for 1976 and 1977 and marriage licenses for some States for all years except 1973 and 1975. Beginning 1978, includes noniicensed marriages in California. [4] Includes reported annulments and some estimated State figures for all years. [5] Preliminary.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 82. Total Fertility Rate and Intrinsic Rate of Natural Increase: 1940 to 1985

[Excludes Alaska prior to 1959 and Hawaii prior to 1960. Prior to 1960, based on births adjusted for underregistration; thereafter, registered births only. Beginning 1970, excludes births to nonresidents of United States. The *total fertility rate* is the number of births that 1,000 women would have in their lifetime if, at each year of age, they experienced the birth rates occurring in the specified year. A total fertility rate of 2,110 represents "replacement level" fertility for the total population under current mortality conditions (assuming no net immigration). The *intrinsic rate of natural increase* is the rate that would eventually prevail if a population were to experience, at each year of age, the birth rates and death rates occurring in the specified year and if those rates remained unchanged over a long period of time. Minus sign (−) indicates decrease. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series B 11]

Annual average and year	Total fertility rate			Intrinsic rate of natural increase			Year	Total fertility rate			Intrinsic rate of natural increase		
	Total	White	Black and other	Total	White	Black and other		Total	White	Black and other	Total	White	Black and other
1940–1944	2,523	2,460	3,010	4.6	3.9	9.8	1971	2,267	2,161	2,920	2.6	.8	12.6
1945–1949	2,985	2,916	3,485	11.7	10.9	17.2	1972	2,010	1,907	2,629	−2.0	−3.9	8.6
1950–1954	3,337	3,221	4,185	18.8	15.4	25.7	1973	1,879	1,783	2,444	−4.5	−6.5	5.7
1955–1959	3,690	3,549	4,716	21.1	19.5	30.7	1974	1,835	1,749	2,339	−5.4	−7.2	4.0
1960–1964	3,449	3,326	4,326	18.6	17.1	27.7	1975	1,774	1,686	2,278	−6.7	−8.6	3.0
1965–1969	2,622	2,512	3,362	6.2	6.4	16.6	1976	1,738	1,652	2,223	−7.4	−9.3	2.1
1970–1974	2,094	1,997	2,660	−.7	−2.5	9.1	1977	1,790	1,703	2,278	−6.2	−8.1	3.2
1975–1979	1,774	1,685	2,270	−6.6	−8.5	3.0	1978	1,760	1,668	2,264	−6.8	−8.8	2.9
1980–1984	1,819	1,731	2,262	−5.4	−7.3	3.0	1979	1,808	1,715	2,310	−5.7	−7.7	3.8
							1980	1,840	1,749	2,323	−5.1	−7.0	4.0
1965	2,913	2,783	3,808	12.1	10.3	23.1							
1966	2,721	2,603	3,532	9.7	7.9	20.4	1981	1,815	1,726	2,275	−5.5	−7.4	3.3
1967	2,558	2,447	3,299	7.4	5.6	18.2	1982	1,829	1,742	2,264	−5.2	−7.0	3.0
1968	2,464	2,366	3,108	5.9	4.2	16.0	1983	1,803	1,718	2,225	−5.7	−7.5	2.5
1969	2,456	2,360	3,061	5.7	4.1	15.4	1984	1,806	1,719	2,224	−5.6	−7.4	2.4
1970	2,480	2,385	3,067	6.0	4.5	14.4	1985	1,842	1,754	2,263	−4.8	−6.6	3.1

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

No. 83. Births and Birth Rates: 1960 to 1985

[**Births in thousands, except as indicated.** Beginning 1970, excludes births to nonresidents of U.S. For population bases used to derive these data, see text, section 2. See Appendix III. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series B 1, B 5–10, and B 12–20]

ITEM	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Live births [1]	**4,258**	**3,760**	**3,731**	**3,144**	**3,333**	**3,494**	**3,612**	**3,629**	**3,681**	**3,639**	**3,669**	**3,761**
Average annual percent change [2]	.8	−2.5	−.2	−3.4	2.0	4.8	3.4	.5	1.4	−1.1	.8	2.5
White	3,601	3,124	3,091	2,552	2,681	2,808	2,899	2,909	2,942	2,904	2,924	2,991
Black	602	581	572	512	552	578	590	588	593	586	593	608
Male	2,180	1,927	1,915	1,613	1,709	1,791	1,853	1,860	1,886	1,866	1,879	1,928
Female	2,078	1,833	1,816	1,531	1,624	1,703	1,760	1,769	1,795	1,773	1,790	1,833
Males per 100 females	104.9	105.1	105.5	105.4	105.3	105.2	105.3	105.2	105.1	105.2	105.0	105.2
Age of mother:												
Under 20 years	594	599	656	595	554	560	562	537	524	499	480	478
20–24 years	1,427	1,337	1,419	1,094	1,140	1,189	1,226	1,212	1,206	1,160	1,142	1,141
25–29 years	1,093	926	995	937	1,015	1,069	1,108	1,128	1,152	1,148	1,166	1,201
30–34 years	688	529	428	376	474	517	550	581	605	625	658	696
35–39 years	360	283	160	115	128	135	141	146	168	180	196	214
40 years or more	97	86	53	28	24	24	24	25	26	27	28	29
Birth rate per 1,000 population	**23.7**	**19.4**	**18.4**	**14.9**	**15.0**	**15.6**	**15.9**	**15.8**	**15.9**	**15.5**	**15.5**	**15.8**
White	22.7	18.3	17.4	13.6	14.0	14.5	14.9	14.6	14.9	14.6	14.5	14.8
Black	31.9	27.7	25.3	20.7	21.3	22.0	22.1	21.6	21.4	20.9	20.8	21.1
Male	24.7	20.3	19.4	15.4	15.8	16.4	16.8	16.7	16.7	16.4	16.3	16.8
Female	22.8	18.6	17.4	13.6	14.2	14.8	15.1	15.0	15.1	14.7	14.7	15.0
Plural birth ratio [3]	20.4	20.1	[4] 18.1	19.2	19.8	19.5	19.3	19.7	19.9	20.3	20.3	21.0
White	19.3	19.0	[4] 17.3	18.5	18.8	18.6	18.5	18.8	19.2	19.6	19.8	20.4
Black	(NA)	(NA)	[4] 22.8	23.1	24.2	24.2	24.1	24.7	24.1	24.5	24.2	25.3
Birth rate per 1,000 women [5]	**116.0**	**96.6**	**87.9**	**66.0**	**65.5**	**67.2**	**68.4**	**67.4**	**67.3**	**65.8**	**65.4**	**66.2**
White [5]	113.2	91.4	84.1	62.5	61.7	63.4	64.7	63.9	63.9	62.4	62.2	63.0
Black [5]	153.5	133.2	115.4	87.9	86.7	88.3	88.1	85.4	84.1	81.7	81.4	82.2
Age of mother:												
10–14 years	.8	.8	1.2	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2
15–19 years	89.1	70.5	68.3	55.8	51.5	52.3	53.0	52.7	52.9	51.7	50.9	51.3
20–24 years	258.1	195.5	167.8	113.0	109.9	112.8	115.1	111.8	111.3	108.3	107.3	108.6
25–29 years	197.4	161.8	145.1	108.2	108.5	111.4	112.9	112.0	111.0	108.7	108.3	110.5
30–34 years	112.7	94.4	73.3	52.3	57.8	60.3	61.9	61.4	64.2	64.6	66.5	68.5
35–39 years	56.2	46.2	31.7	19.5	19.0	19.5	19.8	20.0	21.1	22.1	22.8	23.1
40–44 years	15.5	12.8	6.1	4.6	3.9	3.9	3.9	3.8	3.9	3.8	3.9	4.0
45–49 years	[6] .9	.8	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2

NA Not available. [1] Includes other races, not shown separately. [2] For explanation, see Guide to Tabular Presentation. For 1960, change from 1955. [3] Per 1,000 live births. [4] 1971. [5] Per 1,000 women, 15–44 years old in specified group. [6] Rate computed by relating births to mothers 45 years old and over to women 45 to 49 years old.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished dat

No. 84. Birth Rates, by Live-Birth Order and Race: 1960 to 1985

[**Births per 1,000 women 15–44 years old in specified racial group.** Live-birth order refers to number of children born alive. Figures for births of order not stated are distributed. See also headnote, table 83, and *Historical Statistics, Colonial Times 1970*, series B 20–27]

LIVE-BIRTH ORDER	ALL RACES [1]					WHITE					BLACK				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total	**118.0**	**87.9**	**68.4**	**65.4**	**66.2**	**113.2**	**84.1**	**64.7**	**62.2**	**63.0**	**153.5**	**115.4**	**88.1**	**81.4**	**8**
First birth	31.1	34.2	29.5	27.4	27.8	30.8	32.9	28.4	26.4	26.5	33.6	43.3	35.2	32.2	3
Second birth	29.2	24.2	21.8	21.7	22.0	29.2	23.7	21.0	21.1	21.4	29.3	27.1	25.7	24.1	2
Third birth	22.8	13.8	10.3	10.1	10.4	22.7	13.3	9.5	9.4	9.7	24.0	18.1	14.5	13.7	1
Fourth birth	14.6	7.2	3.9	3.7	3.8	14.1	6.8	3.4	3.2	3.3	18.8	10.0	6.7	6.3	
Fifth birth	8.3	3.8	1.5	1.4	1.4	7.5	3.4	1.3	1.1	1.1	14.1	6.4	3.0	2.7	
Sixth and seventh	7.8	3.2	1.0	.9	.8	6.1	2.7	.8	.7	.7	18.4	7.0	2.1	1.8	
Eighth and over	4.3	1.8	.4	.3	.3	2.8	1.2	.3	.2	.2	15.6	5.6	.9	.6	

[1] Includes other races not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished

Digitized by Google

No. 85. Live Births—Number and Rate, by State: 1970 to 1986

[Registered births. Excludes births to nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Number (1,000)								Rate per 1,000 population [2]							
	By State of residence						By State of occurrence [1]		By State of residence						By State of occurrence [1]	
	1970	1975	1980	1983	1984	1985	1985	1986 [3]	1970	1975	1980	1983	1984	1985	1985	1986 [3]
U.S.	3,731	3,144	3,612	3,639	3,669	3,761	3,765	[4] 3,731	18.4	14.8	15.9	15.5	15.5	15.8	15.8	[4] 15.5
Region:																
Northeast	831	625	656	674	682	705	705	700	16.9	12.6	13.4	13.6	13.7	14.1	14.1	14.0
Midwest	1,038	855	956	900	901	909	907	885	18.4	14.6	16.2	15.3	15.3	15.3	15.3	14.9
South	1,208	1,062	1,232	1,256	1,267	1,300	1,306	1,303	19.2	15.3	16.4	15.6	15.7	15.9	15.9	15.7
West	654	602	768	809	819	847	847	831	16.8	15.6	17.8	17.6	17.5	17.7	17.7	17.0
New England	200	148	182	168	172	179	180	170	16.9	12.2	13.1	13.5	13.7	14.2	14.2	13.4
Maine	18	15	16	17	17	17	16	16	17.9	14.2	14.6	14.6	14.5	14.5	13.9	13.6
New Hampshire	13	11	14	14	14	15	15	16	17.9	13.3	14.9	14.4	14.6	15.5	15.3	15.9
Vermont	8	7	6	8	8	8	8	8	16.8	14.1	15.4	15.2	15.1	15.0	14.6	13.9
Massachusetts	95	68	73	76	76	82	83	76	16.6	11.9	12.7	13.2	13.5	14.1	14.3	13.0
Rhode Island	16	11	12	13	13	13	14	14	16.5	11.3	12.9	13.2	13.2	13.5	14.1	14.3
Connecticut	50	36	39	41	42	44	44	41	16.7	11.6	12.5	13.1	13.4	13.9	13.8	12.7
Middle Atlantic	630	477	495	506	509	526	525	530	16.9	12.8	13.4	13.7	13.7	14.1	14.1	14.2
New York	318	236	239	249	251	259	260	265	17.4	13.1	13.6	14.1	14.1	14.6	14.7	14.9
New Jersey	120	92	97	99	101	106	102	105	16.8	12.5	13.2	13.3	13.5	14.0	13.5	13.7
Pennsylvania	193	149	159	158	157	161	162	160	16.3	12.5	13.4	13.3	13.2	13.5	13.7	13.5
East North Central	754	610	666	624	627	634	630	619	18.7	14.8	16.0	15.0	15.1	15.2	15.1	14.8
Ohio	200	159	169	159	159	160	161	158	18.7	14.7	15.7	14.8	14.8	14.9	15.0	14.7
Indiana	99	82	88	81	80	81	81	80	19.1	15.4	16.1	14.8	14.6	14.7	14.7	14.5
Illinois	205	169	190	179	179	181	177	172	18.5	15.0	16.6	15.8	15.6	15.7	15.4	14.9
Michigan	172	134	146	133	136	138	137	136	19.4	14.7	15.7	14.7	15.0	15.2	15.0	14.9
Wisconsin	78	65	75	73	73	74	73	72	17.6	14.3	15.9	15.3	15.4	15.4	15.3	15.1
West North Central	284	246	288	276	274	275	277	266	17.4	14.7	16.8	15.8	15.7	15.8	15.8	15.1
Minnesota	68	58	66	66	67	67	66	65	18.0	14.4	16.6	15.8	16.0	16.1	16.1	15.4
Iowa	48	41	48	43	42	41	42	39	17.1	14.4	16.4	14.9	14.6	14.3	14.5	13.6
Missouri	81	69	79	76	75	77	79	76	17.3	14.3	16.1	15.2	14.9	15.3	15.6	15.0
North Dakota	11	11	12	12	12	12	13	12	17.6	16.6	18.4	18.2	17.2	17.1	16.6	17.5
South Dakota	12	11	13	13	12	12	12	12	17.0	16.5	19.2	17.9	17.7	17.1	17.0	16.5
Nebraska	26	24	27	26	26	26	26	24	17.3	15.4	17.4	16.4	16.3	15.9	16.1	15.3
Kansas	38	34	41	40	40	40	39	38	17.0	14.9	17.2	16.7	16.4	16.2	15.7	15.5
South Atlantic	574	482	547	563	576	599	601	607	18.7	14.0	14.8	14.5	14.6	14.9	14.9	14.8
Delaware	11	8	9	9	9	10	10	10	19.2	14.0	15.8	15.2	15.1	15.5	15.9	15.4
Maryland	68	53	60	64	65	68	62	62	17.6	12.7	14.2	14.9	15.0	15.5	14.0	13.9
District of Columbia	15	10	9	9	10	10	20	20	20.1	13.7	14.7	15.0	15.5	15.8	32.0	32.5
Virginia	86	70	78	81	83	86	83	84	18.6	13.9	14.7	14.5	14.7	15.1	14.5	14.6
West Virginia	31	28	29	26	25	24	25	24	17.8	15.3	15.1	13.2	12.6	12.5	13.0	12.6
North Carolina	98	81	84	84	86	89	90	91	19.3	14.6	14.4	13.8	14.0	14.3	14.4	14.3
South Carolina	52	47	52	51	51	52	50	50	20.1	16.1	16.6	15.6	15.3	15.6	14.6	14.7
Georgia	97	80	92	90	92	96	96	99	21.1	15.8	16.9	15.7	15.8	16.1	16.4	16.2
Florida	115	106	132	149	155	164	164	167	16.9	12.4	13.5	13.9	14.1	14.4	14.4	14.3
East South Central	248	219	240	223	221	223	225	222	19.4	15.9	16.4	15.0	14.7	14.7	14.8	14.8
Kentucky	60	55	60	55	53	53	52	52	18.7	15.8	16.3	14.7	14.3	14.2	13.9	13.9
Tennessee	72	62	69	65	65	67	72	72	18.4	14.8	15.1	14.1	13.8	14.0	15.0	15.0
Alabama	67	58	64	59	59	60	59	58	19.4	15.8	16.3	14.9	14.8	14.9	14.6	13.9
Mississippi	49	44	48	44	44	43	43	42	22.1	18.3	19.0	17.0	16.9	16.6	16.3	15.6
West South Central	386	361	445	470	470	478	481	475	20.0	16.9	18.7	18.2	17.9	18.0	18.1	17.7
Arkansas	35	34	37	35	35	35	35	34	18.5	16.0	16.3	15.1	14.9	14.9	14.6	14.4
Louisiana	74	66	82	83	81	81	82	78	20.4	17.5	19.5	18.6	18.3	18.2	16.2	17.3
Oklahoma	45	43	52	57	54	53	52	48	17.5	15.4	17.2	17.2	16.5	16.1	15.7	14.5
Texas	231	216	274	295	299	308	313	315	20.6	17.2	19.2	18.7	18.6	18.8	19.1	18.9
Mountain	172	177	226	233	232	235	235	230	20.7	17.9	19.9	18.9	18.4	18.4	18.4	17.7
Montana	13	12	14	14	14	13	13	12	18.2	16.1	18.1	17.3	17.2	16.4	16.0	15.1
Idaho	14	16	20	19	18	18	17	18	20.3	19.5	21.4	19.0	18.0	17.5	17.3	16.3
Wyoming	7	7	11	10	10	9	9	8	19.6	18.3	22.5	19.9	19.0	18.4	17.2	15.8
Colorado	42	40	50	55	54	55	55	56	18.8	15.5	17.2	17.4	17.0	17.0	17.1	17.1
New Mexico	22	21	26	28	27	28	27	24	21.8	18.1	20.0	19.7	19.2	19.1	18.8	16.2
Arizona	38	40	50	54	55	59	59	61	21.3	17.3	18.4	18.1	17.9	18.6	18.6	18.4
Utah	27	32	42	39	38	37	38	37	25.5	25.7	28.6	24.4	23.6	22.8	23.4	22.4
Nevada	10	9	13	14	15	15	15	15	19.6	14.8	16.6	16.0	16.1	16.4	16.2	15.8
Pacific	483	425	542	578	587	612	612	601	18.2	14.8	17.0	17.1	17.1	17.5	17.5	16.8
Washington	61	51	68	69	69	70	69	69	17.8	14.0	16.4	16.0	15.8	15.9	15.7	15.4
Oregon	35	33	43	40	40	39	41	40	16.8	14.4	16.4	15.0	14.8	14.7	15.2	15.0
California	363	317	403	436	448	471	471	461	18.2	14.7	17.0	17.3	17.4	17.9	17.9	17.1
Alaska	8	7	10	12	12	13	13	12	25.1	20.7	23.7	24.9	24.7	24.6	24.3	23.2
Hawaii	18	16	18	19	19	18	18	18	21.4	17.8	18.8	18.8	18.0	17.4	17.4	17.2

[1] Includes births to nonresidents. [2] Provisional. [3] Based on population (excluding Armed Forces abroad) enumerated as of Apr. 1 for 1970 and 1980, and estimated as of July 1 for other years. [4] U.S. totals are based on monthly receipts corrected for observed differences between provisional and final monthly figures. State figures have not been corrected in this manner.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Vital Statistics Report*.

Digitized by Google

No. 86. Live Births by Race and Type of Hispanic Origin—Selected Characteristi

[Represents registered births. Excludes births to nonresidents of the U.S. Data are available on race of mother from data on Hispanic origin of mother are available from only 23 States and the District of Columbia. However, app percent of all births to Hispanic mothers occur to residents of these 23 States. See Appendix III]

Race and Hispanic origin	Number of births (1,000)	Births to teenage mothers, percent of total	Births to unmarried mothers, percent of total	Percent of mothers beginning prenatal care during—	
				First trimester	Third trimester or no care
Total	3,761	12.7	22.0	76.2	5.7
White	2,991	10.8	14.5	79.4	4.7
Black	608	23.0	60.1	61.6	10.0
American Indian	43	19.1	40.7	60.3	11.5
Asian and Pacific Islander [2]	116	5.5	10.1	75.0	6.1
Filipino	21	5.8	12.1	77.2	4.6
Chinese	16	1.1	3.7	82.4	4.2
Japanese	10	2.9	7.9	85.6	2.6
Hispanic origin [3]	373	16.5	29.5	61.2	12.5
Mexican	243	17.5	25.7	59.9	12.9
Puerto Rican	35	20.9	51.1	58.3	15.5
Cuban	10	7.1	16.1	72.5	3.7

[1] Births less than 2,500 grams (5 lb -8 oz.). [2] Includes races not shown separately. [3] Hispanic persons r race. Includes other types, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 87. Births to Unmarried Women, by Race and Age of Mother: 1960 to 1

[Beginning 1970, excludes births to nonresidents of U.S. Data for 1960–79 include estimates for States in which mar were not reported. Beginning in 1980, marital status is inferred from a comparison of the child's and parents' su birth certificate for those States that do not report on marital status. No estimates included for misstatements on t failures to register births. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series

Race and age of mother	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
NUMBER (1,000)											
Total live births [1]	**224.3**	**291.2**	**398.7**	**447.9**	**515.7**	**543.9**	**597.8**	**665.7**	**686.6**	**715.2**	**737.9**
White	82.5	123.7	175.1	186.4	220.1	233.6	263.0	320.1	337.1	355.2	370.9
Black	(NA)	(NA)	215.1	249.6	281.6	293.4	315.8	325.7	328.9	335.9	341.1
Under 15 years	4.6	6.1	9.5	11.0	10.1	9.4	9.5	9.0	8.6	8.7	8.8
15–19 years	87.1	123.1	190.4	222.5	239.7	239.7	253.2	262.8	259.2	260.6	261.3
20–24 years	68.0	90.7	126.7	134.0	168.6	186.5	210.1	237.3	246.9	257.5	265.6
25–29 years	32.1	36.8	40.6	50.2	62.4	70.0	80.6	99.6	109.2	119.0	126.5
30–34 years	18.9	19.6	19.1	19.8	23.7	26.5	31.3	41.0	45.3	49.6	53.9
35 years and over	13.6	15.1	12.4	10.4	11.1	11.7	13.1	16.1	17.4	19.9	21.8
PERCENT DISTRIBUTION											
Total [1]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
White	36.8	42.5	43.9	41.6	42.7	42.9	44.0	48.1	49.1	49.7	50.3
Black	(NA)	(NA)	54.0	55.7	54.6	53.9	52.8	48.9	47.9	46.9	46.2
Under 15 years	2.1	2.1	2.4	2.5	2.0	1.7	1.6	1.4	1.3	1.2	1.2
15–19 years	38.8	42.3	47.8	49.7	46.5	44.1	42.4	39.5	37.8	36.4	35.4
20–24 years	30.3	31.1	31.8	29.9	32.7	34.3	35.1	35.6	36.0	36.0	36.0
25–29 years	14.3	12.6	10.2	11.2	12.1	12.9	13.5	15.0	15.9	16.6	17.1
30–34 years	8.4	6.7	4.8	4.4	4.6	4.9	5.2	6.2	6.6	6.9	7.3
35 years and over	6.1	5.2	3.1	2.3	2.2	2.2	2.2	2.4	2.5	2.8	3.0
BIRTHS TO UNMARRIED WOMEN AS PERCENT OF ALL BIRTHS IN RACIAL GROUPS											
Total [1]	**5.3**	**7.7**	**10.7**	**14.2**	**15.5**	**16.3**	**17.1**	**18.4**	**18.9**	**19.4**	**20.3**
White	2.3	4.0	5.7	7.3	8.2	8.7	9.4	11.0	11.6	12.1	12.8
Black	(NA)	(NA)	37.6	48.8	51.7	53.2	54.7	55.2	56.0	56.7	58.2
BIRTH RATE [2]											
Total [1] [3]	**21.6**	**23.5**	**26.4**	**24.5**	**25.6**	**25.7**	**27.2**	**29.4**	**29.6**	**30.0**	**30.4**
White [3]	9.2	11.6	13.8	12.4	13.5	13.7	14.9	17.6	18.2	18.8	19.3
Black [3]	(NA)	(NA)	95.5	84.2	82.6	81.1	83.0	81.4	81.4	79.6	77.7
15–19 years	15.3	16.7	22.4	23.9	25.1	24.9	26.4	27.6	28.2	28.9	29.1
20–24 years	39.7	39.9	38.4	31.2	34.0	35.3	37.7	40.9	40.9	41.4	42.0
25–29 years	45.1	49.3	37.0	27.5	27.7	28.5	29.9	34.0	34.7	35.1	35.1
30–34 years	27.8	37.5	27.1	17.9	16.9	16.9	17.7	21.1	20.8	21.9	22.3

NA Not available. [1] Includes other races not shown separately. [2] Rate per 1,000 unmarried women widowed, and divorced) estimated as of July 1. [3] Covers women aged 15–44 years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpubl

Digitized by Google

No. 88. Live Births, by Place of Delivery; Median and Low-Birth Weight; and Prenatal Care: 1960 to 1985

[Represents registered births. Beginning 1970, excludes births to nonresidents of the U.S. For total number of births, see table 81. See Appendix III]

Year	Births attended (1,000)			Median birth weight			Percent of births with low birth weight [4]			Percent of births by period in which prenatal care began	
		Not in hospital									
	In hospital [1]	Physician	Midwife and other [2]	Total [3]	White	Black	Total [3]	White	Black	1st trimester	3rd trimester or no prenatal care
1960	4,114	49	94	7 lb.-5 oz	7 lb.-6 oz	6 lb.-15 oz. [5]	7.7	6.8	[5] 12.8	(NA)	(NA)
1965	3,661	33	66	7 lb.-4 oz	7 lb.-5 oz	6 lb.-14 oz. [5]	6.3	7.2	[5] 13.8	(NA)	(NA)
1970	3,708	5	18	7 lb.-4 oz	7 lb.-5 oz	6 lb.-14 oz	7.9	6.6	13.9	68.0	7.9
1974	3,134	11	16	7 lb.-5 oz	7 lb.-7 oz	6 lb.-15 oz	7.4	6.3	13.1	(NA)	(NA)
1975	3,105	11	28	7 lb.-5 oz	7 lb.-7 oz	6 lb.-15 oz	7.4	6.3	13.1	72.4	6.0
1976	3,124	12	32	7 lb.-6 oz	7 lb.-7 oz	6 lb.-15 oz	7.3	6.1	13.0	73.5	5.7
1977	3,278	13	36	7 lb.-6 oz	7 lb.-8 oz	6 lb.-15 oz	7.1	5.9	12.8	74.1	5.6
1978	3,301	12	21	7 lb.-6 oz	7 lb.-8 oz	6 lb.-15 oz	7.1	5.9	12.9	74.9	5.4
1979	3,460	12	22	7 lb.-7 oz	7 lb.-8 oz	6 lb.-15 oz	6.9	5.8	12.6	75.9	5.1
1980	3,576	12	24	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.6	5.7	12.5	76.3	5.1
1981	3,592	11	27	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.6	5.7	12.5	76.3	5.2
1982	3,642	10	28	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.6	5.6	12.4	76.1	5.5
1983	3,600	10	29	7 lb.-7 oz	7 lb.-8 oz	7 lb.-0 oz	6.8	5.7	12.6	76.2	5.6
1984	3,631	10	28	7 lb.-7 oz	7 lb.-9 oz	7 lb.-0 oz	6.7	5.6	12.4	76.5	5.6
1985	3,722	10	29	7 lb.-7 oz	7 lb.-9 oz	7 lb.-0 oz	6.8	5.6	12.4	76.2	5.7

NA Not available. [1] Includes all births in hospitals or institutions and in clinics. [2] Includes births with attendant not specified. [3] Includes other races not shown separately. [4] Through 1978, births of 2,500 grams (5 lb.-8 oz.) or less at birth; thereafter, less than 2,500 grams. [5] Black and other races.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 89. Low Birth Weight and Births to Teenage Mothers and to Unmarried Women—States: 1980 and 1985

[Represents registered births. Excludes births to nonresidents of the U.S. Based on 100 percent of births in 46 States and on a 50-percent sample of births in 4 States and the District of Columbia. See Appendix III]

Division and State	Percent of births with low birth weight [1]		Births to teenage mothers, percent of total		Births to unmarried women, percent of total	
	1980	1985	1980	1985	1980	1985
U.S	6.8	6.8	15.6	12.7	18.4	22.0
N. Eng	6.2	5.9	11.8	9.2	15.5	18.6
ME	5.5	5.1	15.3	11.7	13.9	17.6
NH	5.4	5.0	10.7	8.3	11.0	13.4
VT	5.9	6.0	13.0	9.8	13.7	17.1
MA	6.1	5.6	10.7	8.5	15.7	18.4
RI	6.3	6.3	12.3	10.6	15.7	19.6
CT	6.7	6.6	11.4	9.2	[2] 17.9	[2] 21.3
Mid. Atl	7.1	6.8	12.6	10.4	21.3	25.3
NY	7.4	7.0	11.8	10.0	[2] 23.8	[2] 28.1
NJ	7.2	6.6	12.3	9.8	21.1	22.3
PA	6.5	6.6	13.9	11.5	17.7	22.8
E. No. Cent	6.7	6.6	15.2	12.6	18.0	21.4
OH	6.8	6.6	15.7	13.3	[2] 17.8	[2] 21.8
IN	6.3	6.4	17.3	14.1	15.5	19.6
IL	7.2	7.2	15.7	12.5	22.5	25.7
MI	6.9	6.6	14.0	12.1	[2] 16.2	[2] 18.1
WI	5.4	5.3	12.3	10.2	13.9	16.1
W. No. Cent	5.7	5.7	13.5	10.3	13.1	16.6
MN	5.1	4.8	10.4	7.5	11.4	15.1
IA	5.0	5.1	12.5	9.3	11.3	13.6
MO	6.6	6.7	16.9	13.5	[2] 17.6	[2] 21.6
ND	4.9	4.9	10.9	7.8	9.2	11.5
SD	5.1	5.5	13.5	10.2	13.4	17.9
NE	5.6	5.3	12.1	9.1	11.6	14.8
KS	5.8	6.1	15.0	11.4	12.3	14.7
So. Atl	8.0	7.8	18.3	14.8	22.2	25.2
DE	7.7	7.3	16.7	13.7	24.2	26.2
MD	8.2	7.8	14.8	12.1	[2] 25.2	[2] 29.1
DC	12.8	13.3	20.7	17.6	56.5	56.7

Division and State	Percent of births with low birth weight [1]		Births to teenage mothers, percent of total		Births to unmarried women, percent of total	
	1980	1985	1980	1985	1980	1985
So. Atl.—Con.						
VA	7.5	7.0	15.5	12.2	19.2	21.4
WV	6.7	6.9	20.1	17.1	13.1	17.4
NC	7.9	7.9	19.2	16.0	19.0	22.1
SC	8.8	8.6	19.8	17.0	23.0	26.4
GA	8.6	8.1	20.7	17.3	23.2	25.7
FL	7.8	7.5	16.2	13.9	23.0	25.8
E. So. Cent	7.8	7.9	21.0	18.2	20.9	24.8
KY	6.8	7.0	21.1	17.6	15.1	18.5
TN	8.0	7.9	19.9	17.1	19.9	24.3
AL	7.9	8.0	20.6	17.9	22.2	24.9
MS	8.7	8.6	23.2	20.8	28.0	32.9
W. So. Cent	7.3	7.2	19.1	16.0	15.8	19.0
AR	7.8	8.0	21.8	19.2	20.5	22.4
LA	8.6	8.7	20.1	17.3	23.4	28.6
OK	6.8	6.4	19.6	15.8	14.0	17.2
TX	6.9	6.8	16.3	15.3	[2] 13.3	[2] 16.4
Mt	6.6	6.6	14.3	11.7	12.7	17.7
MT	5.6	5.7	12.4	9.9	12.5	16.6
ID	5.3	5.5	13.1	10.5	7.9	10.8
WY	7.3	7.1	15.5	11.6	8.2	13.3
CO	6.2	7.7	13.3	10.4	13.0	16.6
NM	7.6	7.1	18.2	15.5	16.1	26.3
AZ	6.2	6.2	16.5	13.7	18.7	23.9
UT	5.2	5.7	11.0	8.9	6.2	6.7
NV	6.8	6.9	15.4	12.1	[2] 13.5	[2] 15.6
Pac	5.8	5.9	13.6	10.7	19.6	23.2
WA	5.1	5.3	12.5	10.3	13.6	18.5
OR	4.9	5.1	13.3	10.6	14.8	18.7
CA	5.9	6.0	13.9	10.9	[2] 21.4	[2] 24.6
AK	5.4	4.9	11.8	8.7	15.1	16.3
HI	7.1	6.5	11.5	9.8	17.6	19.9

[1] Less than 2,500 grams (5 pounds-8 ounces). [2] Marital status of mother is inferred.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

No. 90. Cesarean Section Deliveries, by Age of Mother: 1970 to 1985

[**Rates are number of cesareans per 100 deliveries.** Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability]

AGE OF MOTHER	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of cesarean deliveries (1,000)	195	328	455	510	569	619	701	730	808	813	877
Rate: **Mothers, all ages**	5.5	10.4	13.7	15.2	16.4	16.5	17.9	18.5	20.3	21.1	22.7
Under 20 years	3.9	6.4	11.2	11.8	13.7	14.5	13.2	13.4	15.0	16.5	16.1
20–24 years	4.9	9.0	12.5	13.1	15.6	15.8	16.0	17.6	19.0	19.8	21.2
25–29 years	5.9	11.1	14.8	16.4	16.4	16.7	19.4	19.9	20.5	20.8	22.9
30–34 years	7.5	13.6	15.3	19.3	19.5	18.0	21.3	20.4	24.6	24.6	26.6
35 years and over	6.3	15.0	17.9	21.3	21.1	20.8	24.4	23.6	25.4	28.7	30.7

Source: U.S. National Center for Health Statistics, unpublished data.

No. 91. Breast-Feeding by Characteristic of Mother and Birth Year of Baby: 1970 to 1981

[Data for 1970–1975 based on 1976 National Survey of Family Growth (NSFG) and for 1976–1981 on 1982 NSFG. Based on a sample and subject to sampling variability; see Appendix III. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC OF MOTHER	PERCENT BREAST-FED AT ALL						PERCENT BREAST-FED 3 MONTHS OR MORE					
	1970–1971	1972–1973	1974–1975	1976–1977	1978–1979	1980–1981	1970–1971	1972–1973	1974–1975	1976–1977	1978–1979	1980–1981
Total babies	24.3	23.6	32.4	42.2	44.3	52.5	10.6	10.8	15.0	25.7	26.5	32.6
White	25.8	25.6	35.5	46.2	48.1	57.2	11.2	11.4	16.6	29.0	31.2	35.8
Black	12.6	12.9	16.4	19.5	24.4	24.5	6.2	6.9	6.4	11.5	14.2	12.1
Years of school completed:												
Less than 12 years	17.9	15.5	18.1	25.6	25.3	32.1	6.0	6.8	5.6	9.6	15.5	16.4
12 years	18.5	20.4	31.0	35.3	41.4	44.9	7.3	7.2	12.0	20.1	23.1	25.8
13 years or more	39.9	39.1	50.7	62.3	55.0	73.4	20.4	22.1	31.6	43.7	42.5	50.8
Region:												
Northeast	22.5	18.6	30.1	38.5	37.6	46.6	11.3	10.3	12.7	23.0	24.6	26.3
Midwest	26.4	25.2	30.3	43.6	48.1	54.6	12.1	10.1	13.3	24.1	29.4	33.5
South	17.6	16.2	25.2	32.1	31.8	41.6	7.2	7.4	10.0	19.0	19.1	26.
West	35.3	43.3	50.5	62.0	66.5	70.1	13.6	20.0	29.4	42.3	47.1	46.

Source: Pratt, William F, et al., "Understanding U.S. Fertility: Findings from the National Survey of Family Growth, Cycle III *Population Bulletin*, vol. 39, No. 5 (Population Reference Bureau, Inc., Washington, DC, 1984).

No. 92. Women Who Have Had a Child in the Last Year, by Age: 1980 to 1986

[As of **June**. See headnote, table 94]

AGE OF MOTHER	WOMEN WHO HAD A CHILD IN LAST YEAR (1,000)				TOTAL BIRTHS PER 1,000 WOMEN				FIRST BIRTHS PER 1,000 WOMEN				FIRST BIRTHS A PERCENT TOTAL	
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986	1980	19
Total	3,247	3,311	3,497	3,625	71.1	65.8	68.6	70.3	28.5	27.7	27.1	26.4	40.1	3
18–29 years old	2,476	2,375	2,512	2,452	103.7	94.8	101.4	99.7	48.6	45.2	47.1	44.4	46.9	4
18–24 years old	1,396	1,252	1,339	1,209	96.6	86.9	95.4	88.6	(NA)	48.2	53.5	47.5	(NA)	
25–29 years old	1,081	1,123	1,173	1,243	114.8	105.5	109.2	113.6	(NA)	41.2	38.7	40.5	(NA)	
30–44 years old	770	936	984	1,174	35.4	37.1	37.6	43.5	6.3	10.2	8.0	10.0	17.8	
30–34 years old	519	703	704	815	60.0	72.2	69.9	78.9	(NA)	20.9	15.6	20.2	(NA)	
35–39 years old	192	195	229	285	26.9	22.7	25.9	30.3	(NA)	5.4	5.2	5.4	(NA)	
40–44 years old	59	38	51	74	9.9	5.5	7.1	10.2	(NA)	1.1	.8	1.5	(NA)	

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406, and earlier and forthcoming rep

Digitized by Google

No. 93. Women Who Have Had a Child in the Last Year, by Age and Labor Force Status: 1976 to 1986

[See headnote, table 94]

Year	TOTAL, 18 TO 44 YEARS OLD				18 TO 29 YEARS OLD				30 TO 44 YEARS OLD			
	All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year			All women, percent in labor force	Women who have had a child in the last year		
		Number (1,000)	In the labor force			Number (1,000)	In the labor force			Number (1,000)	In the labor force	
			Number (1,000)	Percent			Number (1,000)	Percent			Number (1,000)	Percent
1976	59.7	2,797	865	30.9	(NA)	2,220	706	31.8	(NA)	577	159	27.6
1980	66.1	3,247	1,233	38.0	68.3	2,476	947	38.2	63.7	770	287	37.3
1981	67.2	3,381	1,411	41.7	68.9	2,499	1,004	40.2	65.5	881	407	46.2
1982	68.3	3,433	1,508	43.9	69.7	2,445	1,040	42.5	66.7	988	469	47.5
1983	69.1	3,625	1,563	43.1	70.6	2,682	1,138	42.4	67.6	942	425	45.1
1984	70.2	3,311	1,547	46.7	71.5	2,375	1,058	44.5	68.9	936	489	52.2
1985	70.8	3,497	1,691	48.4	71.3	2,512	1,204	47.9	70.3	984	486	49.6
1986	72.2	3,625	1,805	49.8	72.8	2,452	1,185	48.3	71.6	1,174	620	52.8

NA Not available.

No. 94. Social and Economic Characteristics of Women, 18–44 Years Old, Who Have Had a Child in the Last Year: 1986

[As of **June**. Covers civilian noninstitutional population. Since the number of women who had a birth during the 12-month period was tabulated and not the actual numbers of births, some small underestimation of fertility for this period may exist due to the omission of: (1) Multiple births, (2) Two or more live births spaced within the 12-month period (the woman is counted only once), (3) Women who had births in the period and who did not survive to the survey date, (4) Women who were in institutions and therefore not in the survey universe. These losses may be somewhat offset by the inclusion in the CPS of births to immigrants who did not have their children born in the United States and births to nonresident women. These births would not have been recorded in the vital registration system. Based on Current Population Survey (CPS); see text, section 1 and Appendix III]

Characteristic	TOTAL, 18 TO 44 YEARS OLD			18 TO 29 YEARS OLD			30 TO 44 YEARS OLD		
	Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year		Number of women (1,000)	Women who have had a child in the last year	
		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women		Total births per 1,000 women	First births per 1,000 women
Total [1]	**51,581**	**70.3**	**26.4**	**24,586**	**99.7**	**44.4**	**26,994**	**43.5**	**10.0**
White	43,237	68.2	26.5	20,387	96.3	44.5	22,850	43.2	10.3
Black	6,625	78.4	23.6	3,423	112.7	41.3	3,202	41.9	4.6
Hispanic [2]	4,061	105.6	29.1	2,177	136.7	45.3	1,884	69.8	10.4
Married, spouse present	29,400	97.4	36.0	10,454	175.7	76.8	18,946	54.1	13.4
Married, spouse absent [3]	2,165	67.6	25.5	925	114.9	53.6	1,240	32.3	4.5
Widowed or divorced	5,107	27.1	3.5	1,182	58.9	12.5	3,925	17.5	.8
Single	14,909	32.1	15.5	12,026	36.5	18.6	2,883	13.7	2.4
Years of school completed:									
Not a high school graduate	7,876	93.1	21.8	4,096	141.3	39.9	3,779	40.9	2.3
High school, 4 years	22,241	71.0	29.1	10,762	113.9	52.9	11,479	30.7	6.7
College: 1–3 years	11,891	58.7	24.0	6,158	68.8	36.7	5,733	47.8	10.4
4 or more years	9,573	64.3	26.9	3,570	62.4	37.0	6,002	65.5	20.8
4 years	6,335	60.8	27.9	2,847	62.9	39.1	3,488	59.0	18.8
5 or more years	3,238	71.3	24.8	723	60.2	29.0	2,514	74.5	23.6
Labor force status: In labor force	37,232	48.5	20.8	17,909	66.2	33.5	19,323	32.1	9.1
Employed	34,226	46.5	19.9	15,974	62.9	32.1	18,252	32.0	9.1
Unemployed	3,006	71.4	32.0	1,935	92.8	44.4	1,071	32.7	9.5
Not in labor force	14,349	126.9	40.8	6,678	189.7	73.6	7,671	72.2	12.3
Occupation of employed women:									
Managerial-professional	8,300	42.9	17.3	2,869	46.8	25.5	5,430	40.8	13.0
Technical, sales, and admin. support	16,013	42.6	20.9	8,219	56.8	31.5	7,794	27.5	9.7
Service workers	5,774	53.1	20.6	3,070	71.1	35.8	2,704	32.7	3.5
Precision prod., craft, and repair	798	55.7	13.5	344	93.9	18.1	454	26.7	10.1
Operators, fabricators, and laborers	2,924	61.9	22.6	1,270	113.3	47.1	1,654	22.4	3.7
Farming, forestry, and fishing	417	49.0	12.8	201	44.7	26.6	216	52.9	-
Family income: Under $10,000	8,523	95.3	29.8	4,918	129.1	48.2	3,606	49.2	4.8
$10,000–$14,999	5,713	69.7	25.9	3,252	96.4	39.2	2,461	34.4	8.2
$15,000–$19,999	5,506	69.3	27.6	2,671	103.2	48.3	2,835	32.4	5.0
$20,000–$24,999	5,512	73.3	28.2	2,650	115.8	49.5	2,862	33.9	4.6
$25,000–$29,999	4,650	75.4	24.9	2,087	106.4	45.5	2,563	50.1	8.1
$30,000–$34,999	4,691	68.3	25.7	2,072	99.3	43.3	2,619	43.7	11.8
$35,000 and over	15,682	55.4	24.7	6,176	66.9	39.1	9,506	48.0	15.3

- Represents or rounds to zero. [1] Includes women of other races and women with family income not reported, not shown separately. [2] Hispanic persons may be of any race. [3] Includes separated women.

Source of tables 93 and 94: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406 and earlier and forthcoming reports.

Digitized by Google

NO. 95. CHILDLESS WOMEN AND CHILDREN EVER BORN, BY AGE OF WOMAN: 1970 TO 1986

[1970 based on sample of decennial census, see source; all other years based on *Current Population Survey*; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 49–66]

AGE	PERCENT CHILDLESS AMONG WOMEN EVER MARRIED						CHILDREN EVER BORN PER 1,000 WOMEN EVER MARRIED					
	1970 (April)	1980 (June)	1986 (June)				1970 (April)	1980 (June)	1986 (June)			
			Total [1]	White	Black	Hispanic [2]			Total [1]	White	Black	Hispanic [2]
Total	[3] 16.4	[3] 18.8	19.2	20.1	11.5	13.7	[3] 2,360	[3] 1,965	1,785	1,737	2,200	2,145
18–19 years old	[4] 50.9	[4] 46.6	45.8	46.7	27.1	25.6	[4] 636	[4] 628	660	639	1,007	938
20–24 years old	35.7	40.4	41.5	42.9	26.3	32.8	1,071	930	927	882	1,392	1,059
25–29 years old	15.8	25.3	27.3	28.5	14.9	14.4	1,984	1,397	1,351	1,316	1,692	1,826
30–34 years old	8.3	13.7	15.1	16.1	6.6	9.8	2,806	1,970	1,845	1,804	2,219	2,304
35–39 years old	7.3	8.0	11.5	11.9	6.5	7.0	3,170	2,572	2,101	2,047	2,520	2,743
40–44 years old	6.6	6.6	9.4	9.4	10.5	7.3	3,097	3,105	2,413	2,372	2,739	2,869

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Women, 15–44 years old. [4] Women, 15–19 years old.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1970, Vol 1, Characteristics of the Population, Part 1, U.S. Summary*, and *Current Population Reports*, series P-20, No. 375 and forthcoming report.

NO. 96. CHILDREN EVER BORN TO SINGLE WOMEN, BY AGE AND RACE OF WOMAN: 1980 AND 1986

[As of **June**. Covers civilian noninstitutional population. Refers to women never-married at time of survey. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	ALL SINGLE WOMEN [1]			WHITE SINGLE WOMEN			BLACK SINGLE WOMEN		
	Total, 18–44 years	18–29 years	30–44 years	Total, 18–44 years	18–29 years	30–44 years	Total, 18–44 years	18–29 years	30–44 years
1980									
Single women (1,000)	[2] 12,500	10,693	[3] 1,807	[2] 9,862	8,557	[3] 1,305	[2] 2,327	1,888	[3] 439
Percent by number of children born:									
None	85.7	87.3	76.4	93.5	93.9	90.5	52.2	56.7	32.6
One	8.6	8.5	9.0	4.9	4.7	5.9	24.5	26.0	18.5
Two or more	5.7	4.2	14.6	1.6	1.3	3.6	23.3	17.3	49.0
Children ever born (1,000)	[2] 3,142	2,022	[3] 1,120	[2] 898	666	[3] 232	[2] 2,199	1,325	[3] 874
Rate per 1,000 women	251	189	620	91	78	178	945	702	1,991
1986									
Single women (1,000)	14,909	12,026	2,883	11,438	9,381	2,057	3,069	2,320	748
Percent by number of children born:									
None	81.9	84.5	71.2	90.5	91.5	85.6	49.1	55.3	30.1
One	9.8	9.5	11.1	6.0	5.8	6.8	24.4	24.6	23.8
Two or more	8.4	6.1	17.8	3.6	2.7	7.6	26.5	20.1	46.3
Children ever born (1,000)	4,767	2,991	1,775	1,726	1,140	585	2,965	1,800	1,165
Rate per 1,000 women	320	249	616	151	122	284	966	776	1,557

[1] Includes other races not shown separately. [2] Covers single women, 18–49 years old. [3] Covers single women, 30–49 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 375 and forthcoming report.

NO. 97. ABILITY TO BEAR CHILDREN OF CURRENTLY MARRIED COUPLES, BY AGE OF WIFE, NUMBER OF PRIOR BIRTHS, AND RACE: 1982

[Based on the National Survey of Family Growth, see Appendix III]

RACE AND FERTILITY STATUS	All women, 15–44 years	AGE OF WIFE			NUMBER OF PRIOR BIRTHS			
		15–24 years	25–34 years	35–44 years	0	1	2	3 or more
All races [1] (1,000)	**28,231**	**4,741**	**12,924**	**10,566**	**5,098**	**5,891**	**9,042**	**8,201**
Percent distribution:								
Surgically sterile [2]	38.9	7.2	31.6	62.0	9.9	17.7	46.9	63.3
Infertile [3]	8.5	6.7	7.3	9.7	19.6	10.8	5.0	[4] 3.6
Fecund [5]	52.6	84.1	61.0	28.3	70.5	71.5	48.1	32.9
White (1,000)	**25,195**	**4,323**	**11,457**	**9,414**	**4,678**	**5,254**	**8,107**	**7,156**
Percent distribution:								
Surgically sterile [2]	38.9	7.3	31.5	62.3	9.8	18.5	47.2	63.4
Infertile [3]	8.1	6.0	7.0	9.6	19.1	10.1	4.7	[4] 3.4
Fecund [5]	53.0	84.7	61.4	28.1	71.1	71.4	48.0	33.2
Black (1,000)	**2,130**	**328**	**1,025**	**778**	**252**	**410**	**678**	**790**
Percent distribution:								
Surgically sterile [2]	36.2	7.4	31.6	54.1	10.1	8.5	34.9	60.0
Infertile [3]	13.1	11.9	11.5	15.7	30.6	18.5	8.9	[4] 6.3
Fecund [5]	50.7	80.7	56.7	30.2	59.4	73.0	56.2	31.8

[1] Includes other races not shown separately. [2] Includes sterilization of the husband or the wife. [3] Continuously married had not used contraception, and had not become pregnant for at least 12 months before the date of interview. [4] Figure does not meet standards of reliability or precision. [5] Neither surgically sterile nor infertile.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 104; and unpublished data.

Digitized by Google

No. 98. Lifetime Births Expected Per 1,000 Wives: 1971 to 1986

[As of **June**. See headnote, table 99]

Year	Lifetime births to all wives [1] aged—			Lifetime births to white wives aged—			Lifetime births to black wives aged—		
	18–24	25–29	30–34	18–24	25–29	30–34	18–24	25–29	30–34
1971	2,375	2,619	2,989	2,353	2,577	2,936	2,623	3,112	3,714
1975	2,173	2,260	2,610	2,147	2,233	2,564	2,489	2,587	3,212
1980	2,134	2,166	2,248	2,130	2,146	2,223	2,155	2,426	2,522
1985	2,183	2,236	2,167	2,177	2,227	2,139	2,242	2,259	2,521
1986	2,270	2,252	2,247	2,116	2,100	2,056	2,323	2,317	2,577

[1] Includes other races not shown separately.

No. 99. Lifetime Births Expected by Wives, 18–34 Years Old—Percent Distribution: 1975 to 1986

[As of **June**. Covers currently married women in the civilian noninstitutional population. Data limited to wives reporting on birth expectations. Based on Current Population Survey; see text, section 1 and Appendix III]

Year and number of births expected	Total [1]	Age			Race		Hispanic [2]	Years of school completed		
		18–24 years	25–29 years	30–34 years	White	Black		Not high school graduate	High school, 4 years	College, 1 year or more
1975: None	4.8	4.1	4.9	5.2	4.9	3.0	3.2	2.7	4.2	7.0
One	10.9	11.2	11.7	9.8	10.8	10.7	10.6	11.0	11.4	10.1
Two	49.0	58.2	50.4	38.3	49.8	40.0	40.4	37.6	49.8	55.5
Three	23.2	19.4	23.3	26.8	23.9	22.4	25.2	25.0	24.3	20.0
Four or more	12.1	7.0	9.8	19.8	11.1	24.0	20.5	23.6	10.3	7.3
1980: None	5.9	4.9	5.5	7.0	6.0	4.0	2.8	2.6	5.6	7.7
One	13.3	12.8	13.2	13.6	13.2	14.4	9.4	11.7	14.4	12.4
Two	51.1	56.0	52.8	45.7	51.5	45.3	44.3	39.7	52.6	54.4
Three	20.5	19.1	20.3	21.8	20.4	22.2	24.2	26.7	19.7	18.8
Four or more	9.3	7.2	8.3	11.9	8.8	14.2	19.4	19.4	7.7	6.8
1986: None	4.7	2.9	4.5	5.9	4.8	2.8	2.5	2.5	4.3	6.0
One	12.2	11.6	10.9	13.9	12.0	14.8	11.9	12.0	13.3	11.1
Two	50.0	54.8	51.6	45.8	50.7	42.4	42.5	44.1	49.2	53.1
Three	23.1	21.4	23.6	23.6	22.9	26.2	23.4	24.3	23.4	22.3
Four or more	10.0	9.4	9.4	10.8	9.5	13.8	19.8	17.2	9.8	7.6

[1] Includes other races, not shown separately. [2] Hispanic persons may be of any race.

Source of tables 98 and 99: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 406, and earlier and forthcoming reports.

No. 100. Contraceptive Use by Women, 15–44 Years Old, by Age, Race, Marital Status, and Method of Contraception: 1982

[See headnote, table 101]

Contraceptive status and method	All women [1]	Age			Race		Marital status		
		15–24 years	25–34 years	35–44 years	White	Black	Never married	Currently married	Formerly married
All women (1,000)	**54,099**	**20,150**	**19,644**	**14,305**	**45,367**	**6,985**	**19,164**	**28,231**	**6,704**
PERCENT DISTRIBUTION									
Sterile	27.2	3.2	27.9	60.1	27.7	23.7	3.2	40.9	38.0
Surgically sterile	25.7	2.6	26.4	57.3	26.1	22.2	2.6	38.9	36.1
Contraceptively sterile [2]	17.8	2.2	19.6	37.4	18.3	14.9	1.8	27.6	21.6
Noncontraceptively sterile	7.8	.3	6.8	19.9	7.8	7.3	.8	11.0	14.5
Nonsurgically sterile [3]	1.5	.6	1.5	2.8	1.6	1.5	.7	2.0	1.9
Pregnant, postpartum	5.0	6.3	6.5	1.0	4.8	5.6	2.5	7.2	2.6
Seeking pregnancy	4.2	3.5	6.2	2.5	4.0	5.4	1.2	6.7	2.1
Other nonusers	26.9	48.6	14.2	13.8	26.2	29.6	59.7	5.0	25.6
Not sexually active [4]	19.5	39.4	7.8	7.8	19.9	16.1	49.6	.2	15.1
Sexually active [4]	7.4	9.2	6.5	6.0	6.4	13.5	10.1	4.8	10.4
Nonsurgical contraceptors	36.7	38.4	45.2	22.6	37.2	35.7	33.3	40.1	31.8
Pill	15.6	23.5	17.1	2.3	15.1	19.8	16.7	13.4	15.8
IUD	4.0	1.4	6.5	4.2	3.9	4.7	1.9	4.6	6.4
Diaphragm	4.5	3.7	6.8	2.4	5.0	1.6	4.7	4.5	3.7
Condom	6.7	5.5	7.6	7.0	7.2	3.2	4.1	9.6	.8
Foam	1.3	.8	1.5	1.6	1.4	1.4	.4	2.0	1.1
Rhythm [5]	2.2	1.2	2.8	2.6	2.2	1.6	.9	3.2	1.4
Other methods [6]	2.5	2.3	2.9	2.2	2.4	3.1	2.6	2.3	2.7

[1] Includes other races, not shown separately. [2] Includes sterility of the husband or a current partner. Persons who had sterilizing operation and who gave as one reason that they had already had all the children they wanted. [3] Persons sterile from illness, accident, or congenital conditions. [4] Those having intercourse in the last 3 months before the survey. [5] Periodic abstinence and natural family planning. [6] Withdrawal, douche, suppository and less frequently used methods.

Source: U.S. National Center for Health Statistics, *Advance Data from Vital and Health Statistics*, No. 102 and unpublished data.

192-073 O - 88 - 4 : QL 3

Digitized by Google

No. 101. Unwanted Births of Ever Married Women, 15–44 Years Old: 1973 and 1982

[Covers the birth experience to date of all ever-married women whether or not they gave children up for adoption. Based on the 1973 and 1982 National Survey of Family Growth; see Appendix III]

Age and race	Number of children ever born (1,000)		Percent of children ever born					
			Wanted at conception				Unwanted at conception	
			Total		Mistimed			
	1973	1982	1973	1982	1973	1982	1973	1982
All races [1]	66,239	65,878	85.8	90.1	25.7	28.2	14.0	9.6
15–24 yrs.	5,763	4,843	91.8	93.6	41.7	46.8	8.1	[2] 6.4
25–34 yrs.	26,262	26,650	87.8	92.3	27.7	27.3	12.0	7.4
35–44 yrs.	34,214	34,385	83.2	88.0	21.5	26.2	16.6	11.7
White	57,012	55,497	88.4	92.1	25.5	27.7	11.4	7.7
15–24 yrs.	4,959	4,238	93.6	95.1	40.5	47.2	6.3	[2] 4.9
25–34 yrs.	22,760	22,314	90.0	94.1	27.2	26.7	9.9	5.8
35–44 yrs.	29,393	28,946	86.4	90.1	21.6	25.6	13.4	9.7
Black	8,634	8,467	68.0	77.5	27.4	32.2	31.5	21.8
15–24 yrs.	868	548	81.4	82.0	47.8	43.6	16.6	[2] 18.0
25–34 yrs.	3,239	3,491	72.1	82.3	31.0	33.9	27.3	17.5
35–44 yrs.	4,528	4,428	62.4	73.2	20.9	29.4	37.0	25.7

[1] Includes other races not shown separately. [2] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 102. Family Planning Services—Visits per 1,000 Women, 15–44 Years Old: 1982

[**Number of family planning visits** in the 12 months before the interview **per 1,000 women** who had ever had intercourse and were not sterile before February 1979. Family planning services include (1) counseling for problems with or worries about sexual intercourse, an unwanted pregnancy or one that occured at a bad time, having a sterilizing operation, or birth control, (2) a checkup or medical test for correct use, fit, or position of a birth control method, or health problems from using a birth control method, or a pregnancy test; and (3) a visit to a physician or clinic to obtain a new method of birth control, or to renew a method already being used. Based on the National Survey of Family Growth, see Appendix III]

Source of services	Women,[1] 15–44 yrs.	Age				Race		Hispanic [2]	Marital status		
		15–19 yrs.	20–24 yrs.	25–34 yrs.	35–44 yrs.	White	Black		Never married	Married	Widowed, divorced or separated
Total	**1,078**	**1,581**	**1,380**	**1,043**	**482**	**1,034**	**1,337**	**1,212**	**1,227**	**1,022**	**971**
Private medical services [3]	657	609	749	743	380	671	557	873	534	743	585
Clinics	385	867	577	279	96	323	756	524	636	251	360
Counselors	36	105	55	[4] 21	[4] 7	39	[4] 24	[4] 15	[4] 56	28	[4] 26

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Private physicians in their own or a group practice. [4] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, M. Horn and W. Mosher, "Use of Services for Family Planning and Infertility United States, 1982," *Vital and Health Statistics*, series 23, No. 13.

No. 103. Legal Abortions—Estimated Number, Rate, and Ratio, by Race: 1972 to 1985

[Refers to women 15–44 years old at time of abortion]

Year	All races				White				Black and other			
	Women 15–44 years old (1,000)	Abortions			Women 15–44 years old (1,000)	Abortions			Women 15–44 years old (1,000)	Abortions		
		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births [1]		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births [1]		Number (1,000)	Rate per 1,000 women	Ratio per 1,000 live births [1]
1972	44,588	586.8	13.2	184	38,532	455.3	11.8	175	6,056	131.5	21.7	22
1975	47,606	1,034.2	21.7	331	40,857	701.2	17.2	276	6,749	333.0	49.3	56
1976	48,721	1,179.3	24.2	361	41,721	784.9	18.8	296	7,000	394.4	56.3	63
1977	49,814	1,318.7	26.4	400	42,567	888.8	20.9	333	7,247	427.9	59.0	67
1978	50,920	1,409.6	27.7	417	43,427	969.4	22.3	356	7,493	440.2	58.7	66
1979	52,018	1,497.7	28.8	422	44,266	1,062.4	24.0	373	7,750	435.3	56.2	62
1980	53,048	1,553.9	29.3	428	44,942	1,093.6	24.3	376	8,106	460.3	56.5	64
1981	53,901	1,577.3	29.3	429	45,494	1,107.8	24.3	377	8,407	469.6	55.9	64
1982	54,679	1,573.9	28.8	428	46,049	1,095.2	23.8	373	8,630	478.7	55.5	64
1983	55,340	1,575.0	28.5	436	46,506	1,084.4	23.3	376	8,834	490.6	55.5	67
1984	56,061	1,577.2	28.1	422	47,023	(NA)	(NA)	(NA)	9,038	(NA)	(NA)	(NA
1985	56,754	1,586.6	28.0	425	47,512	(NA)	(NA)	(NA)	9,242	(NA)	(NA)	(NA

NA Not available. [1] See headnote, table 104.

Source: 1972, U.S. Centers for Disease Control, Atlanta, GA, *Abortion Surveillance, Annual Summary, 1972*, 1974, and The Alan Guttmacher Institute; 1975–1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright), 1982 and 1983, S.K. Henshaw "Characteristics of U.S. Women Having Abortions, 1982–1983," *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Guttmacher Institute, New York, NY, 1984 and 1985, S.K. Henshaw, J.D. Forrest and J. Von Vort, "Abortion Services in the United States, 1984 and 1985," *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute New York, NY.

Digitized by Google

NO. 104. LEGAL ABORTIONS—NUMBER, RATE PER 1,000 WOMEN 15–44 YEARS OLD, AND ABORTION/LIVE BIRTH RATIO, BY STATE OF OCCURRENCE: 1973 TO 1985

[Number of legal abortions are from surveys of hospitals, clinics, and physicians identified as providers of abortion services, conducted by the Alan Guttmacher Institute. Abortion rates are computed per 1,000 women 15–44 years of age on July 1 of specified year; abortion ratios are computed as the number of abortions per 1,000 live births from July 1 of year shown to June 30 of following year, by State of occurrence]

STATE	NUMBER OF ABORTIONS (1,000)				RATE PER 1,000 WOMEN, 15–44 YEARS OLD				RATIO: ABORTIONS PER 1,000 LIVE BIRTHS			
	1973	1980	1984	1985	1973	1980	1984	1985	1973	1980	1984	1985
United States	**744.6**	**1,553.9**	**1,577.2**	**1,588.6**	**16.3**	**29.3**	**26.1**	**26.0**	**239**	**428**	**422**	**425**
New England	**23.1**	**83.9**	**80.7**	**85.4**	**9.0**	**28.9**	**27.2**	**28.6**	**152**	**530**	**469**	**504**
Maine	.7	4.8	5.2	5.0	3.3	18.6	19.6	18.6	47	289	311	308
New Hampshire	.6	4.7	6.7	7.0	3.3	21.1	28.3	29.0	52	347	502	419
Vermont	1.5	3.8	3.5	3.4	14.8	30.4	26.7	26.2	233	466	445	448
Massachusetts	12.4	45.8	38.3	40.3	10.1	33.5	26.4	29.3	173	609	442	533
Rhode Island	1.1	6.6	7.5	7.8	5.8	30.7	34.1	35.5	96	529	556	572
Connecticut	6.8	18.4	21.5	21.9	10.4	25.6	29.0	29.3	188	561	559	550
Middle Atlantic	**252.9**	**311.8**	**318.6**	**321.7**	**32.0**	**37.0**	**37.3**	**37.6**	**531**	**627**	**611**	**607**
New York	212.7	187.5	192.0	195.1	54.5	45.8	46.6	47.4	904	780	746	746
New Jersey	10.2	55.5	65.9	69.2	6.7	32.8	37.9	39.6	113	591	635	672
Pennsylvania	29.9	68.9	60.7	57.4	12.2	26.1	22.6	21.3	200	423	379	348
East North Central	**97.4**	**242.9**	**224.7**	**220.6**	**11.1**	**24.9**	**22.6**	**22.1**	**161**	**369**	**356**	**356**
Ohio	17.3	67.1	58.0	57.4	7.4	26.8	22.7	22.4	109	397	357	357
Indiana	1.8	19.6	16.1	16.1	1.5	15.3	12.2	12.2	21	227	198	202
Illinois	32.8	69.1	65.9	65.0	13.6	25.9	24.2	23.8	199	374	368	372
Michigan	37.5	65.2	66.0	64.4	19.1	29.7	29.6	28.7	272	457	494	486
Wisconsin	8.2	21.8	18.6	17.8	8.6	20.1	16.6	15.7	129	292	251	246
West North Central	**29.6**	**75.2**	**73.8**	**68.2**	**8.6**	**19.2**	**18.3**	**16.7**	**125**	**260**	**263**	**252**
Minnesota	7.3	19.0	17.4	16.9	8.8	20.7	17.3	16.6	137	288	262	257
Iowa	2.3	9.3	10.4	9.9	4.0	14.3	15.8	15.0	59	195	240	248
Missouri	3.4	21.6	22.1	20.1	3.5	19.4	19.2	17.3	49	273	278	261
North Dakota	–	3.1	2.9	2.9	–	21.5	19.3	18.5	–	235	229	230
South Dakota	1.9	1.4	1.8	1.7	12.2	9.0	11.4	10.6	153	103	140	140
Nebraska	2.3	6.4	6.7	6.7	7.2	17.9	18.4	18.2	99	227	253	266
Kansas	12.6	13.8	12.4	10.2	26.5	25.6	22.4	18.2	413	343	313	264
South Atlantic	**114.4**	**254.5**	**255.5**	**257.1**	**16.0**	**29.4**	**27.4**	**27.1**	**233**	**462**	**431**	**429**
Delaware	2.1	3.7	4.7	4.6	16.3	25.9	31.8	30.9	255	395	506	451
Maryland	11.1	30.5	29.1	29.5	12.2	29.2	26.8	26.9	241	571	496	480
District of Columbia	44.6	28.5	23.7	23.9	251.4	166.3	142.0	145.9	2,353	1,569	1,170	1,186
Virginia	8.4	31.8	31.7	34.2	7.6	24.2	22.6	24.0	124	417	385	412
West Virginia	(Z)	3.0	4.7	4.6	.1	6.9	10.4	10.1	2	104	184	185
North Carolina	12.3	31.9	35.8	34.2	10.2	22.8	24.0	22.6	146	377	398	379
South Carolina	2.2	13.7	11.3	11.2	3.5	18.2	14.0	13.7	47	274	229	226
Georgia	11.0	37.9	36.7	38.3	10.0	28.4	26.8	26.1	129	395	402	397
Florida	22.9	73.6	75.8	76.7	14.7	35.5	32.3	31.8	214	547	470	465
East South Central	**12.7**	**65.3**	**57.4**	**57.4**	**4.4**	**19.2**	**16.0**	**15.8**	**56**	**271**	**255**	**258**
Kentucky	2.6	12.8	10.1	9.8	3.6	15.1	11.4	11.0	48	215	194	189
Tennessee	5.3	25.6	22.6	22.4	5.8	23.8	19.5	19.1	79	352	317	315
Alabama	4.6	20.8	19.2	19.4	6.0	23.1	20.3	20.2	78	331	326	333
Mississippi	.1	6.1	5.5	5.9	.2	10.6	9.1	9.7	3	132	128	142
West South Central	**16.1**	**137.2**	**138.0**	**138.6**	**4.2**	**24.5**	**22.2**	**21.8**	**53**	**308**	**288**	**290**
Arkansas	1.1	6.2	4.7	5.4	2.7	12.3	8.8	10.1	35	173	137	159
Louisiana	–	17.7	20.7	19.2	–	17.6	19.1	17.4	–	218	252	240
Oklahoma	.6	11.3	12.6	13.1	1.0	16.4	16.8	17.1	15	221	239	269
Texas	17.3	102.0	100.0	100.8	6.4	30.0	26.0	25.5	79	367	323	320
Mountain	**17.1**	**68.2**	**72.5**	**74.8**	**8.3**	**25.0**	**23.6**	**23.8**	**103**	**302**	**309**	**316**
Montana	.5	3.7	3.9	3.7	3.0	20.1	20.1	19.0	39	265	283	288
Idaho	.4	2.7	2.7	2.7	2.3	12.7	11.6	11.1	26	141	156	155
Wyoming	.2	1.1	1.1	1.1	2.2	9.5	8.1	7.9	30	107	118	125
Colorado	7.6	23.1	24.8	24.4	13.5	31.4	29.8	28.8	195	447	442	436
New Mexico	4.7	8.4	5.4	6.1	18.9	27.0	15.6	17.4	227	358	196	219
Arizona	2.8	15.8	21.2	22.3	6.1	25.0	29.2	29.9	78	310	371	373
Utah	.1	4.2	4.2	4.4	.4	12.3	10.9	11.1	4	97	108	116
Nevada	1.0	9.2	9.4	9.9	7.1	46.6	39.8	40.5	108	697	611	641
Pacific	**178.5**	**314.9**	**358.2**	**365.0**	**28.5**	**41.0**	**42.6**	**42.8**	**449**	**561**	**590**	**594**
Washington	17.3	37.0	29.5	31.0	21.6	37.5	27.2	28.0	373	522	384	458
Oregon	11.4	17.7	15.3	15.2	23.3	28.3	22.8	22.3	356	396	377	374
California	143.9	250.4	297.7	304.1	30.5	43.7	47.8	47.9	485	596	654	640
Alaska	1.2	1.9	3.2	3.5	14.8	17.9	26.2	27.7	174	196	251	283
Hawaii	4.7	8.0	10.4	11.2	24.9	34.4	41.6	43.7	303	441	566	611

– Represents zero. Z Fewer than 50 legal abortions reported by providers.

Source: 1973 and 1980, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Metropolitan Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1984 and 1985, Henshaw, S.K., J.D. Forrest, and J. Van Vort, "Abortion Services in the United States, 1984 and 1985", *Family Planning Perspectives*, vol. 19, No. 2, March/April 1987, The Alan Guttmacher Institute, New York, NY.

Digitized by Google

No. 105. Legal Abortions, by Selected Characteristics: 1973 to 1983

[Number of abortions from surveys conducted by source; characteristics from the U.S. Centers for Disease Control abortion surveillance summaries, with adjustments for changes in States reporting data to the CDC each

Characteristic	Number (1,000)							Percent distribution			
	1973	1975	1979	1980	1981	1982	1983	1973	1980	1983	197
Total legal abortions	**745**	**1,034**	**1,498**	**1,554**	**1,577**	**1,574**	**1,575**	**100.0**	**100.0**	**100.0**	**19**
Age of woman:											
Less than 15 years old	12	15	16	15	15	15	16	1.6	1.0	1.0	47
15–19 years old	232	325	445	445	433	419	411	31.2	28.6	26.1	28
20–24 years old	241	332	526	549	555	552	548	32.3	35.4	34.8	18
25–29 years old	130	189	284	304	316	326	328	17.4	19.6	20.8	12
30–34 years old	73	100	142	153	167	168	172	9.7	9.8	10.9	16
35–39 years old	41	53	65	67	70	73	78	5.5	4.3	5.0	24
40 years old and over	17	21	20	21	21	21	21	2.3	1.3	1.4	33
Race of woman:											
White	549	701	1,062	1,094	1,106	1,095	1,084	73.7	70.4	68.8	17
Black and other	196	333	435	460	470	479	491	26.3	29.6	31.2	25
Marital status of woman:											
Married	216	272	322	320	299	300	295	29.0	20.6	18.7	7
Unmarried	528	762	1,176	1,234	1,279	1,274	1,280	71.0	79.4	81.3	56
Number of prior live births:											
None	411	543	868	900	912	903	890	55.2	57.9	56.5	24
1	115	194	287	305	312	321	329	15.4	19.6	20.9	10
2	104	156	207	216	220	222	228	13.9	13.9	14.4	19
3	61	78	62	83	85	82	83	8.1	5.3	5.3	22
4 or more	55	64	53	51	49	46	45	7.4	3.3	2.9	19
Number of prior induced abortions:											
None	(NA)	822	1,025	1,043	1,023	994	964	(NA)	67.1	61.2	(NA)
1	(NA)	170	352	373	390	398	406	(NA)	24.0	25.8	(NA)
2 or more	(NA)	42	121	138	165	182	205	(NA)	8.9	13.0	(NA)
Weeks of gestation:											
Less than 9 weeks	284	481	749	800	810	806	792	38.2	51.5	50.3	(NA)
9–10 weeks	222	290	413	417	424	420	424	29.7	26.6	26.9	(NA)
11–12 weeks	131	151	204	202	204	205	210	17.5	13.0	13.3	(NA)
13 weeks or more	108	112	133	136	139	143	149	14.6	8.7	9.5	(NA)

NA Not available. [1] Number of abortions per 1,000 abortions and live births. Live births are those which occur 1 of year shown through June 30 of the following year (to match time of conception with abortions).

Source: 1973–1981, S.K. Henshaw and E. Blaine, eds., *Abortion Services in the United States, Each State and Area, 1981–1982*, The Alan Guttmacher Institute, New York, NY, 1985 (copyright); 1982 and 1983, S.K. Henshaw, "C of U.S. Women Having Abortions, 1982–1983", *Family Planning Perspectives*, vol. 19, No. 1, Jan./Feb. 1987, The Alan Institute, New York, NY.

No. 106. Expectation of Life at Birth: 1920 to 1986

[In years. Prior to 1960, excludes Alaska and Hawaii. Data prior to 1940 for death-registration States only; see tex Beginning 1970, excludes deaths of nonresidents of the United States. See also *Historical Statistics, Colonial Tim* series B 107–115]

Year	Total			White			Black and other			Bl	
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	M
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2	(NA)	(
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	(NA)	(
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	(NA)	(
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	(NA)	(
1955	69.6	66.7	72.6	70.5	67.4	73.7	63.7	61.4	66.1	(NA)	(
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	(NA)	(
1965	70.2	66.6	73.7	71.0	67.6	74.7	64.1	61.1	67.4	(NA)	(
1970	70.6	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	6
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	6
1972	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	6
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	6
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	6
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	6
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	6
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	6
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	6
1979	73.9	70.0	77.8	74.6	70.6	78.4	69.8	65.4	74.1	68.5	6
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	6
1981	74.2	70.4	77.6	74.6	71.1	78.4	70.3	66.1	74.4	68.9	6
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	6
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	6
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	6
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	6
1986, prel	74.9	71.3	78.3	75.4	72.0	78.9	71.4	67.6	75.1	69.6	6

NA Not available.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublis

Digitized by Google

NO. 107. SELECTED LIFE TABLE VALUES: 1959 TO 1985

[Prior to 1960, excludes Alaska and Hawaii. Beginning 1970, excludes deaths of nonresidents of the United States. See *Historical Statistics, Colonial Times to 1970*, series B 116–125]

AGE AND SEX	WHITE					BLACK		
	1959–1961	1969–1971	1975	1980	1985	1975	1980	1985
AVERAGE EXPECTATION OF LIFE IN YEARS								
At birth: Male	67.6	67.9	69.5	70.7	71.9	62.4	63.8	65.3
Female	74.2	75.5	77.3	78.1	78.7	71.3	72.5	73.5
Age 20: Male	50.3	50.2	51.5	52.4	53.3	45.2	46.0	47.4
Female	56.3	57.2	58.8	59.4	59.8	53.7	54.3	55.3
Age 40: Male	31.7	31.9	33.1	34.0	34.7	26.8	29.1	30.2
Female	37.1	38.1	39.5	40.1	40.4	35.3	35.7	36.6
Age 50: Male	23.2	23.3	24.4	25.2	25.8	21.6	21.8	22.5
Female	28.1	29.1	30.4	30.9	31.1	27.2	27.3	27.9
Age 65: Male	13.0	13.0	13.8	14.2	14.6	13.1	12.9	13.3
Female	15.9	16.9	18.2	18.5	18.7	16.7	16.5	17.0
ANNUAL DEATHS EXPECTED PER 1,000 ALIVE AT SPECIFIED AGE [1]								
At birth: Male	25.9	20.1	15.9	12.3	10.8	28.4	23.4	19.9
Female	19.6	15.3	12.3	9.7	8.0	24.1	19.5	16.5
Age 20: Male	1.8	1.9	1.8	1.8	1.5	2.8	2.4	1.9
Female	.6	.6	.6	.8	.5	1.0	.7	.8
Age 40: Male	3.3	3.4	2.9	2.6	2.5	8.0	7.0	6.7
Female	1.9	1.9	1.7	1.4	1.3	4.0	3.3	2.9
Age 50: Male	9.6	8.9	8.0	7.1	6.2	18.2	15.1	13.1
Female	4.7	4.7	4.2	3.8	3.5	8.5	7.8	6.7
Age 65: Male	33.9	33.9	30.0	27.5	24.9	38.1	39.3	36.1
Female	17.4	15.6	13.7	13.7	13.5	20.9	21.9	20.9
NUMBER SURVIVING TO SPECIFIED AGE PER 1,000 BORN LIVE								
Age 20: Male	959	964	970	975	979	954	961	967
Female	971	976	980	983	986	966	972	976
Age 40: Male	924	925	935	939	946	863	883	898
Female	953	957	964	969	973	929	941	948
Age 50: Male	874	877	890	901	912	772	798	819
Female	925	929	939	947	953	878	893	906
Age 65: Male	658	652	695	723	745	521	545	581
Female	807	809	834	847	856	704	728	749

[1] See footnote 1, table 109.

Source: U.S. National Center for Health Statistics, *U.S. Life Tables and Actuarial Tables, 1959–61* and *1969–71*; and *Vital Statistics of the United States*, annual; and unpublished data.

NO. 108. AVERAGE LIFETIME IN YEARS, BY SEX—STATES: 1979–1981

STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female	STATE	BOTH SEXES		Male	Female
	Number	Rank				Number	Rank				Number	Rank		
U.S	73.88	(x)	70.11	77.62	KS	75.31	8	71.60	78.99	ND	75.71	5	72.09	79.68
					KY	73.06	41	69.14	77.12	OH	73.49	35	69.85	77.06
AL	72.53	45	68.28	76.79	LA	71.74	50	67.64	75.89	OK	73.87	[1] 31	69.63	77.81
AK	72.24	46	68.71	76.87	ME	74.59	19	70.78	78.41	OR	74.99	14	71.35	78.77
AZ	74.30	21	70.46	78.34	MD	73.32	38	69.71	76.83	PA	73.58	34	69.90	77.16
AR	73.72	29	69.73	77.83	MA	75.01	13	71.27	78.46	RI	74.78	18	70.96	78.33
CA	74.57	20	71.09	78.02	MI	73.67	[1] 31	70.07	77.29	SC	71.85	49	67.56	76.12
CO	75.30	9	71.78	78.80	MN	76.15	2	72.52	79.82	SD	74.97	16	71.03	79.21
CT	75.12	12	71.51	78.57	MS	71.98	46	67.64	76.39	TN	73.30	39	69.15	77.47
DE	73.21	40	69.56	76.78	MO	73.84	[1] 27	69.92	77.72	TX	73.64	33	69.70	77.67
DC	69.20	(x)	64.55	73.70	MT	73.93	25	70.47	77.68	UT	75.78	4	72.38	79.18
FL	74.00	[1] 23	70.08	77.96	NE	75.49	8	71.73	79.29	VT	74.79	17	71.06	78.49
GA	72.22	47	68.01	76.35	NV	72.64	44	69.26	76.46	VA	73.43	36	69.60	77.27
HI	77.02	1	74.06	80.33	NH	74.96	15	71.43	78.42	WA	75.13	11	71.74	78.57
ID	75.19	10	71.52	79.15	NJ	74.00	[1] 23	70.48	77.39	WV	72.84	43	68.86	76.93
IL	73.37	37	69.55	77.13	NM	74.01	22	69.91	78.34	WI	75.35	7	71.86	78.87
IN	73.84	[1] 27	70.16	77.46	NY	73.70	30	70.02	77.18	WY	73.85	26	69.95	78.20
IA	75.61	3	72.00	79.60	NC	72.96	42	68.60	77.35					

X Not applicable. [1] Florida and New Jersey share the same rank of 23; Indiana and Missouri share the same rank of 27; Michigan and Oklahoma share the same rank of 31. Therefore, the numbers 24, 28, and 32 are omitted in order for the States to total 50.

Source: U.S. National Center for Health Statistics, *U.S. Decennial Life Tables for 1979–81, Vol II State Life Tables* (each State), August 1985

Digitized by Google

No. 109. Expectation of Life and Expected Deaths, by Race, Sex, and Age: 1

Age in 1985 (years)	Expectation of life in years					Expected deaths per 1,000 at specified age [1]			
	Total	White		Black		Total	White		Mal
		Male	Female	Male	Female		Male	Female	
At birth	74.7	71.9	78.7	65.3	73.5	10.69	10.59	8.03	19.
1	74.5	71.8	78.4	65.7	73.8	.70	.74	.54	1.
2	73.6	70.7	77.4	64.7	72.6	.54	.55	.42	.
3	72.6	69.7	76.5	63.6	71.9	.43	.43	.34	.
4	71.7	68.7	75.5	62.9	70.9	.35	.35	.28	.
5	70.7	67.8	74.5	61.9	70.0	.31	.31	.24	.
6	69.7	66.8	73.5	60.9	69.0	.27	.28	.21	.
7	68.7	65.8	72.5	59.9	68.0	.25	.26	.19	.
8	67.7	64.8	71.5	59.0	67.1	.22	.24	.17	.
9	66.8	63.8	70.6	58.0	66.1	.20	.21	.16	.
10	65.8	62.9	69.6	57.0	65.1	.18	.19	.14	.
11	64.8	61.9	68.6	56.0	64.1	.19	.20	.15	.
12	63.8	60.9	67.6	55.0	63.1	.23	.27	.17	.
13	62.8	59.9	66.6	54.1	62.1	.32	.41	.22	.
14	61.8	58.9	65.6	53.1	61.1	.45	.60	.29	.
15	60.9	58.0	64.8	52.1	60.2	.59	.81	.37	.
16	59.9	57.0	63.7	51.2	59.2	.72	1.00	.44	1.0
17	58.9	56.1	62.7	50.2	58.2	.84	1.17	.50	1.2
18	58.0	55.1	61.7	49.3	57.2	.92	1.30	.52	1.4
19	57.0	54.2	60.7	48.4	56.3	.97	1.38	.51	1.6
20	56.1	53.3	59.8	47.4	55.3	1.02	1.47	.50	1.8
21	55.1	52.3	58.8	46.5	54.3	1.08	1.55	.50	2.1
22	54.2	51.4	57.8	45.6	53.4	1.11	1.60	.49	2.3
23	53.3	50.5	56.9	44.7	52.4	1.12	1.61	.49	2.4
24	52.3	49.6	55.9	43.8	51.4	1.12	1.58	.50	2.5
25	51.4	48.7	54.9	42.9	50.5	1.12	1.54	.50	2.6
26	50.4	47.7	53.9	42.1	49.5	1.11	1.51	.51	2.7
27	49.5	46.8	53.0	41.2	48.6	1.12	1.49	.52	2.8
28	48.5	45.9	52.0	40.3	47.6	1.15	1.49	.53	3.0
29	47.8	44.9	51.0	39.4	46.7	1.19	1.52	.56	3.3
30	46.7	44.0	50.1	38.5	45.8	1.23	1.55	.59	3.8
31	45.7	43.1	49.1	37.7	44.8	1.28	1.58	.62	3.9
32	44.8	42.2	48.1	36.8	43.9	1.34	1.62	.66	4.1
33	43.8	41.2	47.1	36.0	43.0	1.39	1.66	.70	4.4
34	42.9	40.3	46.2	35.1	42.0	1.45	1.74	.75	4.6
35	42.0	39.4	45.2	34.3	41.1	1.53	1.82	.80	4.8
36	41.0	38.4	44.3	33.5	40.2	1.61	1.91	.87	5.1
37	40.1	37.5	43.3	32.6	39.3	1.72	2.02	.95	5.4
38	39.2	36.6	42.3	31.8	38.4	1.83	2.15	1.04	5.8
39	38.2	35.7	41.4	31.0	37.5	1.97	2.29	1.13	6.2
40	37.3	34.7	40.4	30.2	36.6	2.12	2.46	1.25	6.7
41	36.4	33.8	39.5	29.4	35.7	2.30	2.66	1.38	7.1
42	35.5	32.9	38.5	28.6	34.8	2.50	2.89	1.52	7.6
43	34.5	32.0	37.6	27.8	33.9	2.72	3.13	1.69	8.1
44	33.6	31.1	36.6	27.0	33.0	2.97	3.41	1.87	8.6
45	32.7	30.2	35.7	26.3	32.1	3.25	3.73	2.07	9.1
46	31.8	29.3	34.8	25.5	31.3	3.56	4.09	2.30	9.7
47	31.0	28.4	33.9	24.7	30.4	3.92	4.51	2.55	10.3
48	30.1	27.6	32.9	24.0	29.6	4.32	5.00	2.82	11.1
49	29.2	26.7	32.0	23.3	28.8	4.76	5.55	3.12	12.1
50	28.3	25.8	31.1	22.5	27.9	5.25	6.15	3.46	13.1
51	27.5	25.0	30.2	21.8	27.1	5.77	6.81	3.82	14.2
52	26.6	24.2	29.4	21.1	26.3	6.35	7.55	4.21	15.2
53	25.8	23.3	28.5	20.5	25.5	6.96	8.40	4.62	16.3
54	25.0	22.5	27.6	19.8	24.7	7.67	9.34	5.05	17.3
55	24.2	21.7	26.7	19.1	24.0	8.41	10.35	5.52	18.4
56	23.4	21.0	25.9	18.5	23.2	9.20	11.43	6.03	19.5
57	22.6	20.2	25.0	17.8	22.5	10.06	12.58	6.61	21.0
58	21.8	19.5	24.2	17.2	21.7	11.00	13.80	7.27	22.7
59	21.1	18.7	23.4	16.6	21.0	12.02	15.10	8.00	24.6
60	20.3	18.0	22.6	16.0	20.3	13.12	16.49	8.80	27.1
61	19.6	17.3	21.8	15.4	19.6	14.29	17.99	9.66	29.5
62	18.8	16.6	21.0	14.9	19.0	15.50	19.57	10.54	31.6
63	18.1	15.9	20.2	14.4	18.3	16.74	21.24	11.46	33.3
64	17.4	15.3	19.4	13.8	17.6	18.03	23.02	12.42	34.8
65	16.7	14.6	18.7	13.3	17.0	19.39	24.89	13.45	36.1
70	13.5	11.6	15.0	10.8	13.8	29.31	38.54	20.79	50.8
75	10.6	9.0	11.7	8.7	11.1	43.96	58.93	32.83	68.2
80	8.1	6.8	8.7	6.8	8.6	67.00	89.27	53.59	95.7
85 and over	6.0	5.1	6.4	5.7	6.9	1,000.00	1,000.00	1,000.00	1,000.00

[1] Based on the proportion of the cohort who are alive at the beginning of an indicated age interval who will die before the end of that interval. For example, out of every 1,000 people alive and exactly 50 years old at the beginning of th between 5 and 6 (5.25) will die before reaching their 51st birthdays.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

NO. 110. DEATHS AND DEATH RATES, BY SEX AND RACE: 1960 TO 1986

[**Rates are per 1,000 population for specified groups.** Except as noted, excludes deaths of nonresidents of the U.S. Excludes fetal deaths. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. See Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 167-173 and B 181-192]

SEX AND RACE	1960 [1]	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, [1] [2] prel.
Deaths [3] (1,000)	**1,712**	**1,921**	**1,893**	**1,928**	**1,914**	**1,990**	**1,978**	**1,975**	**2,019**	**2,039**	**2,086**	**2,099**
Male [3] (1,000)	976	1,078	1,051	1,055	1,045	1,075	1,064	1,056	1,072	1,077	1,098	1,101
Female [3] (1,000)	736	843	842	872	869	915	914	918	947	963	989	999
White (1,000)	1,505	1,682	1,660	1,690	1,676	1,739	1,731	1,729	1,766	1,782	1,819	1,829
Male (1,000)	861	942	918	920	910	934	925	919	932	935	950	953
Female (1,000)	644	740	743	770	766	805	806	810	834	847	869	876
Black (1,000)	196	226	218	221	221	233	229	227	233	236	244	247
Male (1,000)	108	128	124	125	124	130	127	126	128	129	134	134
Female (1,000)	88	98	94	97	96	103	101	101	105	107	111	113
Death rates [3]	**9.5**	**9.5**	**8.8**	**8.7**	**8.5**	**8.8**	**8.6**	**8.5**	**8.6**	**8.6**	**8.7**	**8.7**
Male [3]	11.0	10.9	10.0	9.8	9.6	9.8	9.5	9.4	9.4	9.4	9.5	9.4
Female [3]	8.1	8.1	7.6	7.6	7.5	7.9	7.8	7.7	7.9	7.9	8.1	8.1
White	9.5	9.5	8.9	8.8	8.7	8.9	8.8	8.7	8.8	8.9	9.0	9.0
Male	11.0	10.9	10.0	9.8	9.6	9.8	9.7	9.5	9.6	9.5	9.6	9.6
Female	8.0	8.1	7.8	7.8	7.7	8.1	8.0	8.0	8.2	8.2	8.4	8.4
Black	10.4	10.0	8.8	8.6	8.4	8.8	8.4	8.2	8.3	8.3	8.5	8.4
Male	11.8	11.9	10.6	10.2	10.0	10.3	9.9	9.6	9.6	9.6	9.8	9.6
Female	9.1	8.3	7.3	7.1	7.0	7.3	7.1	6.9	7.1	7.1	7.3	7.3
Age-adjusted death rates [4]	**7.6**	**7.1**	**6.2**	**6.0**	**5.8**	**5.9**	**5.7**	**5.5**	**5.5**	**5.5**	**5.5**	**5.4**
Male [4]	9.5	9.3	8.4	7.9	7.7	7.8	7.5	7.3	7.3	7.2	7.2	7.1
Female [4]	5.9	5.3	4.6	4.4	4.2	4.3	4.2	4.1	4.1	4.1	4.1	4.1
White	7.3	6.8	6.0	5.7	5.5	5.6	5.4	5.3	5.3	5.2	5.2	5.2
Male	9.2	8.9	8.0	7.6	7.4	7.5	7.2	7.1	7.0	6.9	6.9	6.8
Female	5.6	5.0	4.4	4.2	4.0	4.1	4.0	3.9	3.9	3.9	3.9	3.9
Black	10.7	10.4	8.9	8.3	8.1	8.4	8.0	7.8	7.8	7.7	7.8	7.7
Male	12.5	13.2	11.6	10.8	10.7	11.1	10.7	10.4	10.2	10.1	10.2	10.0
Female	9.2	8.1	6.7	6.2	6.1	6.3	6.0	5.8	5.9	5.9	5.9	5.9

[1] Includes deaths of nonresidents of the U.S. [2] Based on a 10-percent sample of deaths. [3] Includes other races, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 111. DEATH RATES, BY AGE, SEX, AND RACE: 1960 TO 1986

[**Number of deaths per 100,000 population in specified group.** See headnote, table 110]

SEX, YEAR, AND RACE	All ages [1]	Under 1 yr. old	1–4 yr. old	5–14 yr. old	15–24 yr. old	25–34 yr. old	35–44 yr. old	45–54 yr. old	55–64 yr. old	65–74 yr. old	75–84 yr. old	85 yr. old and over
MALE [2]												
1960 [3]	1,105	3,059	120	56	152	188	373	992	2,310	4,914	10,178	21,186
1970	1,090	2,410	93	51	189	215	403	959	2,283	4,874	10,010	17,822
1975	1,002	1,786	77	41	174	199	345	859	2,019	4,409	9,154	18,135
1980	977	1,429	73	37	172	196	299	767	1,815	4,105	8,817	18,801
1984	936	1,198	57	32	142	174	270	677	1,705	3,813	8,446	18,119
1985	945	1,197	58	32	141	178	278	669	1,693	3,788	8,504	18,325
1986, prel. [4] [5]	938	1,157	56	32	152	190	287	667	1,648	3,660	8,297	18,168
White: 1970	1,087	2,113	84	48	171	177	344	883	2,203	4,810	10,099	18,552
1980	983	1,230	66	35	167	171	257	699	1,729	4,036	8,830	19,097
1985	950	1,039	52	30	136	157	241	609	1,617	3,717	8,500	18,789
1986, prel. [4] [5]	955	990	51	30	146	167	251	607	1,580	3,618	8,305	18,537
Black: 1970	1,187	4,299	151	67	321	560	957	1,778	3,257	5,803	9,455	12,222
1980	1,034	2,587	111	47	209	407	690	1,480	2,873	5,131	9,232	16,099
1985	977	2,135	89	41	174	347	642	1,283	2,623	4,889	9,298	15,046
1986, prel. [4] [5]	964	2,140	84	44	190	379	636	1,282	2,500	4,562	9,103	15,508
FEMALE [2]												
1960 [3]	809	2,321	98	37	81	107	229	527	1,196	2,872	7,633	19,008
1970	808	1,864	75	32	68	102	231	517	1,099	2,580	6,678	15,518
1975	761	1,411	63	27	60	84	191	455	994	2,237	5,743	14,455
1980	785	1,142	55	24	58	76	159	413	934	2,145	5,440	14,747
1984	793	968	47	21	51	69	142	375	918	2,096	5,188	14,054
1985	807	932	45	21	50	69	138	373	919	2,095	5,220	14,343
1986, prel. [4] [5]	807	912	45	21	53	70	140	352	914	2,096	5,133	14,154
White: 1970	813	1,615	66	30	62	84	193	463	1,015	2,471	6,699	15,980
1980	806	963	49	23	56	65	138	373	876	2,067	5,402	14,980
1985	837	787	40	19	48	59	121	340	864	2,028	5,171	14,579
1986, prel. [4] [5]	838	758	40	19	52	61	124	319	863	2,036	5,087	14,328
Black: 1970	829	3,369	129	44	112	231	533	1,044	1,986	3,861	6,692	10,707
1980	733	2,124	84	31	71	150	324	768	1,561	3,057	6,212	12,367
1985	726	1,757	71	28	60	136	278	654	1,502	2,926	6,252	12,155
1986, prel. [4] [5]	732	1,760	76	29	60	140	278	634	1,471	2,956	6,061	12,671

[1] Includes unknown age. [2] Includes other races not shown separately. [3] Includes deaths of nonresidents. [4] Based on a 10-percent sample of deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

No. 112. Deaths and Death Rates, by State: 1970 to 1986

[Excludes deaths of nonresidents of the U.S., except as noted. See Appendix III. For composition of regions, see fig cover]

Region, division and state	Number of deaths (1,000)							Rate per 1,000 popula				
	By State of residence					By State of occurrence [1]		By State of residence				
	1970	1980	1983	1984	1985	1985	1986, prel.	1970	1980	1983	1984	1985
United States	1,921	1,990	2,019	2,039	2,086	2,089	2,099	9.5	8.8	8.6	8.6	8.7
Region:												
Northeast	499	480	475	478	485	484	483	10.2	9.8	9.6	9.6	9.7
Midwest	541	524	525	522	532	529	536	9.6	8.9	8.9	8.8	9.0
South	593	659	684	692	713	717	727	9.5	8.7	8.6	8.6	8.7
West	288	327	334	347	356	359	354	8.3	7.6	7.2	7.4	7.4
New England	116	115	114	116	118	119	116	9.8	9.3	9.2	9.2	9.3
Maine	11	11	11	11	11	11	11	11.1	9.6	9.5	9.4	9.8
New Hampshire	7	8	8	8	8	8	8	10.0	8.3	8.3	8.2	8.5
Vermont	4	5	5	5	5	5	5	10.0	9.0	8.7	8.6	8.7
Massachusetts	57	55	54	55	56	56	54	10.1	9.6	9.4	9.5	9.6
Rhode Island	9	9	9	9	10	10	10	10.0	9.8	9.7	9.8	10.0
Connecticut	26	27	27	28	28	28	27	8.6	8.8	8.7	8.8	8.9
Middle Atlantic	383	365	361	362	367	365	367	10.3	9.9	9.7	9.8	9.9
New York	188	173	170	171	172	171	173	10.3	9.8	9.6	9.6	9.7
New Jersey	68	69	69	69	71	70	69	9.5	9.4	9.3	9.2	9.4
Pennsylvania	127	124	121	122	124	124	125	10.8	10.4	10.2	10.3	10.4
East North Central	377	365	365	363	370	366	372	9.4	8.8	8.8	8.7	8.9
Ohio	100	98	98	97	99	99	100	9.4	9.1	9.1	9.0	9.2
Indiana	49	47	48	47	48	48	50	9.3	8.6	8.7	8.6	8.8
Illinois	111	103	102	101	102	99	101	10.0	9.0	8.9	8.8	8.9
Michigan	78	75	77	77	79	77	79	8.6	8.1	8.5	8.5	8.7
Wisconsin	41	41	41	41	41	41	42	9.2	8.7	8.6	8.6	8.7
West North Central	164	159	160	159	162	163	164	10.1	9.2	9.2	9.1	9.2
Minnesota	34	33	34	34	35	35	35	8.9	8.2	8.2	8.1	8.3
Iowa	29	27	28	27	28	27	27	10.4	9.3	9.5	9.3	9.7
Missouri	52	50	50	49	50	52	54	11.1	10.1	10.0	9.8	10.0
North Dakota	6	6	6	6	6	6	6	9.1	8.6	8.2	8.1	8.2
South Dakota	7	7	7	7	7	7	7	9.9	9.5	9.5	9.3	9.3
Nebraska	15	14	15	15	15	15	15	10.1	9.2	9.2	9.1	9.3
Kansas	22	22	22	22	22	22	22	9.7	9.3	9.0	9.1	9.0
South Atlantic	290	330	345	350	364	365	374	9.5	8.9	8.9	8.9	9.0
Delaware	5	5	5	5	5	6	6	9.0	8.5	8.3	8.3	8.8
Maryland	33	34	35	35	37	36	37	8.4	8.1	8.2	8.2	8.3
District of Columbia	9	7	7	7	7	9	8	11.7	11.1	10.9	10.8	11.2
Virginia	39	43	44	44	45	45	46	8.4	8.0	7.9	7.9	7.9
West Virginia	20	19	19	19	19	20	20	11.5	9.9	9.9	9.8	10.0
North Carolina	45	48	50	51	53	53	55	8.8	8.2	8.3	8.3	8.5
South Carolina	23	25	26	26	27	26	27	8.6	8.1	8.0	8.0	8.1
Georgia	42	44	46	47	49	49	50	9.1	8.1	8.0	8.0	8.1
Florida	75	105	113	115	121	122	125	11.0	10.7	10.5	10.4	10.7
East South Central	128	134	135	138	140	142	143	10.0	9.1	9.1	9.1	9.3
Kentucky	33	34	34	34	35	34	34	10.3	9.2	9.2	9.0	9.4
Tennessee	38	41	42	42	43	46	47	9.7	8.9	8.9	9.0	9.1
Alabama	34	36	36	37	38	37	37	9.8	9.1	9.0	9.2	9.3
Mississippi	23	24	24	24	25	24	24	10.5	9.4	9.3	9.2	9.4
West South Central	175	195	204	206	209	210	211	9.1	8.2	7.9	7.9	7.9
Arkansas	21	23	23	24	24	24	24	10.7	9.9	10.0	10.1	10.2
Louisiana	33	36	36	36	37	37	37	9.2	8.5	8.2	8.0	8.3
Oklahoma	27	28	29	29	30	29	29	10.5	9.3	8.9	8.9	9.0
Texas	94	108	115	117	118	120	122	8.4	7.8	7.3	7.3	7.2
Mountain	86	80	83	87	88	90	92	8.0	7.0	6.8	6.9	6.9
Montana	7	7	7	7	7	7	7	9.5	8.5	8.2	8.2	8.2
Idaho	6	7	7	7	7	7	7	6.6	7.2	7.3	7.3	7.1
Wyoming	3	3	3	3	3	3	3	8.8	6.9	6.1	6.2	6.4
Colorado	17	19	20	20	20	21	21	7.9	6.8	6.2	6.4	6.3
New Mexico	7	9	9	10	10	10	10	7.3	7.0	6.6	6.7	6.7
Arizona	15	21	23	24	25	25	26	8.4	7.9	7.6	7.8	7.7
Utah	7	6	9	9	9	9	9	6.7	5.6	5.3	5.5	5.5
Nevada	4	6	6	7	7	8	8	7.9	7.4	7.1	7.4	7.7
Pacific	221	247	251	260	268	269	262	8.3	7.8	7.5	7.6	7.7
Washington	30	32	33	34	35	35	33	6.8	7.7	7.6	7.8	7.8
Oregon	20	22	22	23	24	24	23	9.3	8.3	8.5	8.7	8.9
California	166	187	188	196	202	203	198	8.3	7.9	7.5	7.8	7.7
Alaska	1	2	2	2	2	2	2	4.8	4.3	3.9	3.8	4.0
Hawaii	4	5	5	6	6	6	6	5.2	5.2	5.4	5.4	5.5

[1] Includes deaths of nonresidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unput

Digitized by Google

NO. 113. INFANT, MATERNAL, AND NEONATAL MORTALITY RATES, AND FETAL MORTALITY RATIOS, BY RACE: 1960 TO 1985

[**Deaths per 1,000 live births, except as noted.** Beginning 1970, excludes deaths of nonresidents of U.S. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B 136-147]

ITEM	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Infant deaths [1]	**26.0**	**20.0**	**16.1**	**15.2**	**14.1**	**13.8**	**13.1**	**12.6**	**11.9**	**11.5**	**11.2**	**10.8**	**10.6**
White	22.9	17.6	14.2	13.3	12.3	12.0	11.4	11.0	10.5	10.1	9.7	9.4	9.3
Black and other	43.2	30.9	24.2	23.5	21.7	21.1	19.8	19.1	17.8	17.3	16.8	16.1	15.8
Black	44.3	32.6	26.2	25.5	23.6	23.1	21.8	21.4	20.0	19.6	19.2	18.4	18.2
Maternal deaths [2]	**37.1**	**21.5**	**12.8**	**12.3**	**11.2**	**9.6**	**9.6**	**9.2**	**8.5**	**7.9**	**8.0**	**7.8**	**7.8**
White	26.0	14.4	9.1	9.0	7.7	6.4	6.4	6.7	6.3	5.8	5.9	5.4	5.2
Black and other	97.9	55.9	29.0	26.5	26.0	23.0	22.7	19.8	17.3	16.4	16.3	16.9	18.1
Black	103.6	59.8	31.3	29.5	29.2	25.0	25.1	21.5	20.4	18.2	18.3	19.7	20.4
Fetal deaths [3]	**16.1**	**14.2**	**10.7**	**10.5**	**9.9**	**9.7**	**9.4**	**9.2**	**9.0**	**8.9**	**8.4**	**8.2**	**7.9**
White	14.1	12.4	9.5	9.3	8.7	8.5	8.4	8.2	8.0	7.9	7.4	7.4	7.0
Black and other	26.8	22.6	16.0	15.2	14.6	14.7	13.8	13.4	12.8	12.7	12.2	11.5	11.3
Neonatal deaths [4]	**18.7**	**15.1**	**11.6**	**10.9**	**9.9**	**9.5**	**8.9**	**8.5**	**8.0**	**7.7**	**7.3**	**7.0**	**7.0**
White	17.2	13.8	10.4	9.7	8.7	8.4	7.9	7.5	7.1	6.8	6.4	6.2	6.1
Black and other	26.9	21.4	16.8	16.3	14.7	14.0	12.9	12.5	11.8	11.3	10.8	10.2	10.3
Black	27.8	22.8	16.3	17.9	16.1	15.5	14.3	14.1	13.4	13.1	12.4	11.8	12.1

[1] Represents deaths of infants under 1 year old, exclusive of fetal deaths.
[2] Per 100,000 live births from deliveries and complications of pregnancy, childbirth, and the puerperium. Beginning 1979 deaths are classified according to the ninth revision of the *International Classification of Diseases*; for the earlier years classified according to the revision in use at the time; see text, section 2.
[3] Beginning 1970, includes only those deaths with stated or presumed period of gestation of 20 weeks or more; for prior years, includes gestational age not stated. [4] Represents deaths of infants under 28 days old, exclusive of fetal deaths.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

NO. 114. FETAL AND INFANT DEATHS—NUMBER AND PERCENT DISTRIBUTION: 1960 TO 1985

[State requirements for reporting of fetal deaths vary. Most States require reporting of fetal deaths of gestations of 20 weeks or more. There is substantial evidence that not all fetal deaths for which reporting is required are reported. For details of methodology, see Appendix III and source]

YEAR	NUMBER						PERCENT DISTRIBUTION					
	Total	Fetal deaths		Infant deaths			Total	Fetal deaths		Infant deaths		
		Early [1]	Late [2]	Neonatal		Post-neonatal [5]		Early [1]	Late [2]	Neonatal		Post-neonatal [5]
				Early [3]	Late [4]					Early [3]	Late [4]	
1960	179,353	16,496	51,984	71,125	8,608	31,140	100.0	9.2	29.0	39.7	4.8	17.4
1965	153,725	15,383	45,476	59,678	6,741	26,447	100.0	10.0	29.6	38.8	4.4	17.2
1970	127,628	17,170	35,791	50,821	5,458	18,388	100.0	13.5	28.0	39.8	4.3	14.4
1975	84,321	8,995	24,801	31,396	5,020	14,109	100.0	10.7	29.4	37.2	6.0	16.7
1976	81,376	9,200	23,911	29,497	5,090	13,678	100.0	11.3	29.4	36.2	6.3	16.8
1977	80,026	9,399	23,654	27,839	5,021	14,115	100.0	11.7	29.6	34.8	6.3	17.6
1978	78,246	10,013	22,286	26,607	5,011	14,327	100.0	12.8	28.5	34.0	6.4	18.3
1979	78,634	10,402	22,567	26,051	4,929	14,685	100.0	13.2	28.7	33.1	6.3	18.7
1980	78,879	10,754	22,599	25,492	5,126	14,908	100.0	13.6	28.7	32.3	6.5	18.9
1981	75,901	11,126	21,470	24,384	4,737	14,184	100.0	14.7	28.3	32.1	6.2	18.7
1982	75,095	11,028	21,666	23,706	4,629	14,066	100.0	14.7	28.9	31.6	6.2	18.7
1983	71,379	10,933	19,819	22,315	4,192	14,120	100.0	15.3	27.8	31.3	5.9	19.8
1984	69,679	10,963	19,136	21,566	4,125	13,889	100.0	15.7	27.5	31.0	5.9	19.9
1985	69,691	10,958	18,703	21,865	4,314	13,851	100.0	15.7	26.8	31.4	6.2	19.9

[1] 20–27 weeks gestation. [2] 28 weeks or more gestation. [3] Less than 7 days. [4] 7–27 days. [5] 28 days—11 months.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

No. 115. Infant Deaths and Infant Mortality Rates by Cause of Death: 1980 T

[Excludes deaths of nonresidents of U.S. Deaths classified according to ninth revision of *International Classification*
See also Appendix III]

CAUSE OF DEATH	NUMBER				PERCENT DISTRIBUTION				INFANT MORTALIT		
	1980	1983	1984	1985	1980	1983	1984	1985	1980	1983	1
Total	**45,526**	**40,627**	**39,580**	**40,030**	**100.0**	**100.0**	**100.0**	**100.0**	**1,260.3**	**1,116.5**	**1,0**
Congenital anomalies	9,220	8,732	8,548	8,561	20.3	21.5	21.8	21.4	255.2	240.0	2
Sudden infant death syndrome	5,510	5,305	5,245	5,315	12.1	13.1	13.3	13.3	152.5	145.8	1
Respiratory distress syndrome	4,989	3,682	3,557	3,691	11.0	9.1	9.0	9.2	138.1	101.2	
Disorders relating to short gestation and unspecified low birthweight	3,648	3,332	3,262	3,257	8.0	8.2	8.2	8.1	101.0	91.6	
Newborn affected by maternal complications of pregnancy	1,572	1,452	1,406	1,335	3.5	3.6	3.6	3.3	43.5	39.9	
Intrauterine hypoxia and birth asphyxia	1,497	1,199	1,170	1,158	3.3	3.0	3.0	2.9	41.4	32.9	
Infections specific to the prenatal period	971	870	889	955	2.1	2.1	2.2	2.4	26.9	23.9	
Newborn affected by complications of placenta, cord, and membranes	985	869	887	891	2.2	2.1	2.2	2.2	27.3	23.9	
Accidents and adverse effects	1,166	956	836	890	2.8	2.4	2.1	2.2	32.3	26.3	
Pneumonia and influenza	1,012	769	685	705	2.2	1.9	1.7	1.8	28.0	21.1	
All other causes	14,956	13,461	13,093	13,272	32.9	33.1	33.1	33.2	414.1	369.9	3

[1] Deaths of infants under 1 year old per 100,000 live births.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 116. Infant Mortality Rates, by Race—States: 1980 and 1985

[**Deaths per 1,000 live births, by place of residence.** Represents deaths of infants under 1 year old, exclusive o
Excludes deaths of nonresidents of the United States. See Appendix III and *Historical Statistics, Colonial Times to*
143–147, for U.S. total by race]

DIVISION AND STATE	TOTAL [1]		WHITE		BLACK	
	1980	1985	1980	1985	1980	1985
U.S	**12.6**	**10.6**	**11.0**	**9.3**	**21.4**	**18.2**
N. Eng	**10.5**	**9.2**	**10.1**	**8.5**	**17.7**	**20.1**
ME	9.2	9.1	9.4	9.2	–	[2] 12.0
NH	9.9	9.3	9.9	9.2	[2] 22.5	[2] 29.9
VT	10.7	8.5	10.7	8.5	–	–
MA	10.5	9.1	10.1	8.2	16.8	20.8
RI	11.0	8.2	10.9	8.1	[2] 17.4	[2] 10.7
CT	11.2	10.0	10.2	8.5	19.1	20.9
Mid. Atl	**12.8**	**10.8**	**11.1**	**9.3**	**21.1**	**17.6**
NY	12.5	10.8	10.8	9.4	20.0	16.1
NJ	12.5	10.8	10.3	8.8	21.9	18.8
PA	13.2	11.0	11.9	9.5	23.1	20.4
E. No. Cent	**13.0**	**10.9**	**10.9**	**9.3**	**24.4**	**20.2**
OH	12.8	10.3	11.2	9.3	23.0	16.9
IN	11.9	10.9	10.5	10.0	23.4	19.5
IL	14.8	11.7	11.7	9.3	26.3	21.4
MI	12.8	11.4	10.6	9.3	24.2	22.4
WI	10.3	9.1	9.7	8.5	18.5	17.4
W. No. Cent	**11.3**	**9.5**	**10.5**	**9.0**	**21.3**	**16.0**
MN	10.0	8.8	9.8	8.8	20.0	15.5
IA	11.8	9.5	11.5	9.4	27.2	[2] 12.3
MO	12.4	10.2	11.1	9.0	20.7	17.0
ND	12.1	8.5	11.7	8.4	[2] 27.5	[2] 6.9
SD	10.9	9.9	9.0	8.9	–	–
NE	11.5	9.6	10.7	9.0	25.2	17.7
KS	10.4	9.3	9.5	9.0	20.6	14.4
So. Atl	**14.5**	**12.1**	**11.6**	**9.4**	**21.6**	**19.2**
DE	13.9	14.8	9.8	11.6	27.9	25.6
MD	14.0	11.9	11.8	9.1	20.4	18.9
DC	25.0	20.8	17.8	[3] 10.8	26.7	23.7

DIVISION AND STATE	TOTAL [1]		WHITE	
	1980	1985	1980	1985
So. Atl.—Con.				
VA	13.6	11.5	11.9	9.3
WV	11.8	10.7	11.4	10.4
NC	14.5	11.8	12.1	9.4
SC	15.6	14.2	10.8	9.6
GA	14.5	12.7	10.8	9.5
FL	14.6	11.3	11.8	9.2
E. So. Cent	**14.5**	**12.1**	**11.8**	**9.7**
KY	12.9	11.2	12.0	10.3
TN	13.5	11.4	11.9	8.9
AL	15.1	12.6	11.6	10.4
MS	17.0	13.7	11.1	9.3
W. So. Cent	**12.7**	**10.4**	**11.1**	**9.3**
AR	12.7	11.6	10.3	10.9
LA	14.3	11.9	10.5	8.6
OK	12.7	10.9	12.1	10.8
TX	12.2	9.8	11.2	9.0
Mt	**11.0**	**9.8**	**10.7**	**9.7**
MT	12.4	10.3	11.8	9.8
ID	10.7	10.4	10.7	10.5
WY	9.8	12.2	9.3	12.2
CO	10.1	9.4	9.8	9.1
NM	11.5	10.6	11.3	10.6
AZ	12.4	9.7	11.8	9.4
UT	10.4	9.8	10.5	9.7
NV	10.7	8.5	10.0	8.7
Pac	**11.2**	**9.7**	**10.9**	**9.4**
WA	11.8	10.7	11.5	10.9
OR	12.2	9.9	12.2	9.7
CA	11.1	9.5	10.8	9.2
AK	12.3	10.8	9.4	9.6
HI	10.3	8.8	11.8	7.5

– Represents zero. [1] Includes other races, not shown separately. [2] Based on a frequency of less than 20 de

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

NO. 117. DEATH RATES, 1960 TO 1985, AND DEATHS, 1970 TO 1985, FROM SELECTED CAUSES

[Beginning 1970, excludes deaths of nonresidents of the U.S. For explanation of age-adjustment, see text, section 2. The standard population for this table is the total population of the United States enumerated in 1940. Beginning 1979, deaths classified according to ninth revision of *International Classification of Diseases*; for earlier years, classified according to revision in use at that time. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series B149–166]

CAUSE OF DEATH	CRUDE DEATH RATE PER 100,000 POPULATION [1]					AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION [1]			DEATHS (1,000)		
	1960	1970	1980	1984	1985	1970	1980	1985	1970	1980	1985
All causes	**954.7**	**945.3**	**878.3**	**862.3**	**873.9**	**714.3**	**585.8**	**546.1**	**1,921.0**	**1,989.8**	**2,086.4**
Major cardiovascular diseases	515.1	496.0	436.4	411.6	409.6	340.1	256.0	224.0	1,008.0	988.5	977.9
Diseases of heart	369.0	362.0	336.0	323.5	323.0	253.6	202.0	180.5	735.5	781.1	771.2
Percent of total	38.7	38.3	38.3	37.5	37.0	35.5	34.5	33.1	38.3	38.2	37.0
Rheumatic fever and rheumatic heart disease	10.3	7.3	3.5	2.9	2.8	6.3	2.6	1.9	14.9	7.8	6.6
Hypertensive heart disease [2]	37.0	7.4	10.9	10.0	9.8	4.9	8.8	5.9	15.0	24.6	23.7
Ischemic heart disease	296.9	326.1	249.7	228.9	224.8	229.1	149.6	125.5	666.7	565.8	536.8
Other diseases of endocardium	24.9	3.3	3.2	3.7	4.0	2.3	2.0	2.2	6.7	7.2	9.5
All other forms of heart disease		15.9	68.7	78.1	81.5	12.0	40.8	45.1	32.3	155.5	194.6
Hypertension [2]	7.1	4.1	3.5	3.3	3.2	2.9	2.0	1.8	8.3	7.8	7.8
Cerebrovascular diseases	108.0	101.9	75.1	65.3	64.1	66.3	40.8	32.3	207.2	170.2	153.1
Atherosclerosis	20.0	15.8	13.0	10.3	10.0	6.4	5.7	4.0	31.7	29.4	23.9
Other	11.0	12.5	8.8	9.2	9.2	8.8	5.5	5.4	25.3	20.0	22.0
Malignancies [3]	149.2	162.8	183.9	191.8	193.3	129.9	132.8	133.6	330.7	416.5	461.6
Percent of total	15.6	17.2	20.9	22.2	22.1	18.2	22.7	24.5	17.2	20.9	22.1
Of respiratory and intrathoracic organs	22.2	34.2	47.9	52.3	53.3	28.4	36.4	38.8	69.5	108.5	127.3
Of digestive organs and peritoneum	50.8	46.8	46.8	49.3	48.8	35.2	33.0	31.6	94.7	110.8	116.8
Of genital organs	21.6	20.3	20.5	20.7	20.8	15.6	13.8	13.0	41.2	46.4	49.7
Of breast	13.4	14.7	15.8	16.8	16.9	12.6	12.5	12.7	29.9	35.9	40.4
Of urinary organs	7.1	7.6	7.9	7.9	7.9	5.7	5.2	5.0	15.5	17.8	18.9
Leukemia	7.1	7.1	7.3	7.2	7.3	5.6	5.4	5.0	14.5	16.5	17.3
Accidents and adverse effects	52.3	56.4	46.7	39.3	39.1	53.7	42.3	34.7	114.6	105.7	93.5
Motor vehicle	21.3	26.9	23.5	19.6	19.2	27.4	22.9	18.8	54.6	53.2	45.9
All other	31.0	29.5	23.3	19.7	19.9	26.3	19.5	16.0	60.0	52.5	47.6
Chronic obstructive pulmonary diseases and allied conditions [4]	9.9	15.2	24.7	29.2	31.3	11.6	15.9	18.7	30.9	56.1	74.7
Bronchitis, chronic and unspecified	1.8	2.9	1.6	1.5	1.5	2.1	1.0	.8	5.8	3.7	3.8
Emphysema	5.2	11.2	8.1	5.8	5.9	8.4	4.0	3.7	22.7	13.9	14.2
Asthma	3.0	1.1	1.3	1.5	1.6	1.0	1.0	1.2	2.3	2.9	3.9
Other	(5)	(5)	15.7	20.6	22.2	(5)	9.9	12.9	(5)	35.6	53.0
Pneumonia and influenza	[6] 37.3	30.9	24.1	24.9	28.3	22.1	12.9	13.4	62.7	54.6	67.6
Pneumonia	[6] 32.9	29.0	22.9	24.4	27.5	20.8	12.4	13.0	59.0	51.9	65.6
Influenza	4.4	1.8	1.2	.5	.9	1.3	.5	.3	3.7	2.7	2.1
Diabetes mellitus	16.7	18.9	15.4	15.1	15.5	14.1	10.1	9.6	38.3	34.9	37.0
Suicide	10.6	11.6	11.9	12.4	12.3	11.8	11.4	11.5	23.5	26.9	29.5
Chronic liver disease and cirrhosis	11.3	15.5	13.5	11.8	11.2	14.7	12.2	9.6	31.4	30.6	26.8
Nephritis, nephrotic syndrome, and nephrosis	7.6	4.4	7.4	8.5	8.9	3.5	4.5	4.9	8.9	18.8	21.3
Homicide and legal intervention	4.7	8.3	10.7	8.4	8.3	9.1	10.8	8.3	16.8	24.3	19.9
Certain conditions originating in the perinatal period	37.4	21.3	10.1	8.0	8.1	(x)	(x)	(x)	43.2	22.9	19.2
Septicemia	1.1	1.7	4.2	6.4	7.2	1.4	2.6	4.1	3.5	9.4	17.2
Congenital anomalies	12.2	8.3	6.2	5.5	5.4	(x)	(x)	(x)	16.8	13.9	12.8
Other infective and parasitic diseases	4.3	3.4	2.2	2.9	3.4	2.6	1.8	2.8	6.9	5.1	8.1
Benign neoplasms [7]	2.7	2.4	2.7	2.7	2.8	2.0	2.0	1.9	4.8	6.2	6.7
Ulcer of stomach and duodenum	6.3	4.2	2.7	2.8	2.8	3.2	1.7	1.5	8.6	6.1	6.6
Hernia of abdominal cavity and intestinal obstruction [8]	5.1	3.6	2.4	2.2	2.2	2.8	1.4	1.1	7.2	5.4	5.4
Anemias	1.9	1.7	1.4	1.5	1.5	1.3	.9	.9	3.4	3.2	3.7
Cholelithiasis and other disorders of gallbladder	2.6	2.0	1.5	1.3	1.2	1.3	.8	.6	4.0	3.3	3.0
Nutritional deficiencies	(5)	1.2	1.0	1.1	1.2	.8	.5	.5	2.5	2.4	2.9
Infections of kidney	4.3	4.0	1.2	.9	.8	2.8	.7	.4	8.2	2.7	2.0
Tuberculosis	6.1	2.8	.9	.7	.7	2.2	.6	.5	5.2	2.0	1.8
Meningitis	1.3	.8	.6	.5	.5	.8	.6	.4	1.7	1.4	1.2
Viral hepatitis	.5	.5	.4	.4	.4	.5	.3	.3	1.0	.8	.9
Hyperplasia of prostate	2.5	1.1	.3	.2	.2	.6	.2	.1	2.2	.8	.5
Acute bronchitis and bronchiolitis	.7	.6	.3	.2	.3	.5	.2	.1	1.3	.6	.6
Symptoms, signs, and ill-defined conditions	11.4	12.7	12.7	12.6	13.0	10.4	9.8	9.3	25.6	26.6	31.0
All other causes	39.7	53.5	53.0	59.6	64.4	44.0	36.6	40.2	108.6	120.0	153.0

X Not applicable.

[1] Based on resident population enumerated as of Apr. 1 for 1960, 1970, and 1980 and estimated as of July 1 for other years. [2] With or without renal disease. [3] Includes other types of malignancies not shown separately. [4] Prior to 1980, data are shown for bronchitis, emphysema, and asthma. [5] Included in "all other causes." Comparable data not available separately. [6] Excludes pneumonia of newborn. [7] Includes neoplasms of unspecified nature; beginning 1980 also includes carcinoma in situ. [8] Without mention of hernia.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

NO. 118. DEATH RATES BY SELECTED CAUSES AND SELECTED CHARACTERISTICS: 1960

[Deaths per 100,000 population in specified group. See headnote, table 117]

YEAR AND CHARACTERISTIC	Total [1]	Diseases of heart	Malignant neoplasms	Accidents and adverse effects	Cerebrovascular diseases	Chronic obstructive pulmonary diseases [2]	Pneumonia, flu	Suicide
ALL RACES [3]								
Both sexes:								
1960, age-adjusted	760.9	286.2	125.8	49.9	79.7	(4)	28.0	10.6
1970, age-adjusted	714.3	253.6	129.9	53.7	66.3	(4)	22.1	11.8
1980, age-adjusted	585.8	202.0	132.8	42.3	40.8	15.9	12.9	11.4
1984, age-adjusted	545.9	183.6	133.5	35.0	33.4	17.7	12.2	11.6
1985, age-adjusted [5]	546.1	180.5	133.6	34.7	32.3	18.7	13.4	11.5
15–24 years old	95.9	2.8	5.4	48.4	.8	.5	.8	12.9
25–34 years old	123.4	8.2	13.1	37.8	2.1	.6	1.5	15.2
35–44 years old	207.2	38.0	45.7	31.6	7.2	1.6	3.3	14.6
45–54 years old	516.3	152.9	169.1	31.3	21.1	10.2	7.2	15.6
55–64 years old	1,282.7	439.1	450.5	36.8	54.3	47.5	18.5	16.7
65–74 years old	2,838.6	1,060.6	838.3	50.5	171.3	147.9	57.8	18.5
75–84 years old	8,445.1	2,712.8	1,281.0	107.7	605.8	291.6	241.3	24.1
85 years old and over	15,480.3	7,275.0	1,591.5	254.3	1,837.5	360.0	1,023.5	19.1
Male: 1960, age-adjusted	949.3	375.5	143.0	73.9	85.4	(4)	35.0	16.6
1970, age-adjusted	931.8	348.5	157.4	80.7	73.2	(4)	28.8	17.3
1980, age-adjusted	777.2	280.4	165.5	64.0	44.9	26.1	17.4	18.0
1984, age-adjusted	716.7	252.2	164.8	52.3	36.4	27.0	16.7	18.7
1985, age-adjusted [5]	716.8	247.7	164.5	51.6	35.2	27.9	18.2	18.8
15–24 years old	141.1	3.5	6.5	74.1	.8	.5	.8	21.4
25–34 years old	178.0	11.5	13.0	60.8	2.2	.6	1.9	24.5
35–44 years old	278.3	58.4	42.3	49.2	7.4	1.6	4.3	22.3
45–54 years old	669.8	236.9	174.5	47.4	23.1	11.2	9.5	23.5
55–64 years old	1,692.6	651.9	531.1	54.5	62.6	60.1	25.6	26.8
65–74 years old	3,787.7	1,508.4	1,085.6	67.9	197.8	215.0	81.9	33.3
75–84 years old	8,504.2	3,498.0	1,840.2	149.3	661.4	505.4	338.2	53.1
85 years old and over	18,325.1	8,123.7	2,413.7	358.7	1,703.2	746.3	1,339.2	55.4
Female: 1960, age-adjusted	590.6	205.7	111.2	26.8	74.7	(4)	21.6	5.0
1970, age-adjusted	532.5	175.2	108.8	28.2	60.8	(4)	16.7	6.8
1980, age-adjusted	432.6	140.3	109.2	21.8	37.6	8.9	9.6	5.4
1984, age-adjusted	409.6	129.3	111.1	18.7	31.1	11.4	9.1	5.2
1985, age-adjusted [5]	409.4	127.3	111.4	18.6	30.0	12.5	10.1	4.9
15–24 years old	49.9	2.1	4.3	22.3	.8	.5	.5	4.4
25–34 years old	68.9	5.0	13.1	14.9	2.1	.5	1.1	5.9
35–44 years old	138.3	18.3	49.1	14.6	6.9	1.5	2.3	7.1
45–54 years old	372.5	73.8	164.0	16.1	19.3	9.1	5.0	8.3
55–64 years old	919.0	250.3	379.1	20.8	46.6	36.3	12.2	7.7
65–74 years old	2,094.7	745.3	644.6	36.8	150.5	95.4	38.9	8.9
75–84 years old	5,219.9	2,245.2	948.3	82.9	572.7	164.5	183.6	8.8
85 years old and over	14,343.2	6,935.7	1,262.9	212.6	1,891.2	205.6	897.3	4.6
WHITE								
Both sexes:								
1960, age-adjusted	727.0	281.5	124.2	47.6	74.2	(4)	24.6	11.1
1970, age-adjusted	679.6	249.1	127.8	51.0	61.8	(4)	19.8	12.4
1980, age-adjusted	559.9	197.9	129.8	41.5	38.0	16.3	12.2	12.1
1984, age-adjusted	523.6	179.5	130.2	34.6	31.1	18.2	11.6	12.4
1985, age-adjusted	523.1	176.1	130.7	34.1	30.1	19.2	12.6	12.3
Male: 1960, age-adjusted	917.7	375.4	141.6	70.6	80.3	(4)	31.0	17.5
1970, age-adjusted	893.4	347.8	154.3	76.2	68.3	(4)	26.0	18.2
1980, age-adjusted	745.3	277.5	160.5	62.3	41.9	26.7	16.2	18.9
1984, age-adjusted	689.9	249.5	159.0	51.3	33.9	27.8	15.8	19.7
1985, age-adjusted	688.7	244.5	159.2	50.4	32.8	28.5	17.4	19.9
Female: 1960, age-adjusted	555.0	197.1	109.5	25.4	68.7	(4)	19.0	5.3
1970, age-adjusted	501.7	167.8	107.6	27.2	56.2	(4)	15.0	7.2
1980, age-adjusted	411.1	134.6	107.7	21.4	35.2	9.2	9.4	5.7
1984, age-adjusted	391.3	124.0	109.9	18.5	28.9	11.8	8.6	5.6
1985, age-adjusted	390.6	121.7	110.3	18.4	27.9	12.9	9.8	5.3
BLACK								
Both sexes:								
1960, age-adjusted	1,073.3	334.5	142.3	66.4	140.2	(4)	56.4	4.7
1970, age-adjusted	1,044.0	307.8	156.7	74.4	114.5	(4)	40.4	6.1
1980, age-adjusted	842.5	255.7	172.1	51.2	68.5	12.5	19.2	8.4
1984, age-adjusted	771.9	235.8	174.6	40.6	56.7	14.2	17.2	8.4
1985, age-adjusted	779.9	236.2	173.0	41.6	55.0	15.0	18.5	8.4
Male: 1960, age-adjusted	1,246.1	381.2	158.5	100.0	141.2	(4)	70.2	7.8
1970, age-adjusted	1,318.8	375.9	198.0	119.5	122.5	(4)	53.6	9.9
1980, age-adjusted	1,112.6	327.3	229.9	82.0	77.5	20.9	28.0	11.1
1984, age-adjusted	1,011.7	300.1	234.9	64.7	62.8	22.6	25.2	11.2
1985, age-adjusted	1,024.0	301.0	231.6	66.7	60.6	23.9	26.6	11.3
Female: 1960, age-adjusted	916.9	292.6	127.8	35.9	139.5	(4)	43.9	1.9
1970, age-adjusted	814.4	251.7	123.5	35.3	107.9	(4)	29.2	2.9
1980, age-adjusted	631.1	201.1	129.7	25.1	61.7	8.3	12.7	2.4
1984, age-adjusted	585.3	186.6	131.0	20.1	51.8	8.1	11.3	2.3
1985, age-adjusted	589.1	186.8	130.4	20.7	50.3	8.7	12.4	2.1

[1] Includes other causes, not shown separately. [2] Includes allied conditions. [3] Includes other races, not sh
[4] Data not available on a comparable basis with later years.
[5] Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

NO. 119. DEATH RATES, BY CAUSE—STATES: 1985

[Deaths per 100,000 resident population estimated as of July 1. By place of residence. Excludes nonresidents of U.S. Causes of death classified according to ninth revision of *International Classification of Diseases*. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Total [1]	Diseases of heart	Malignant neoplasms	Cerebrovascular diseases	Accidents and adverse effects	Chronic obstructive pulmonary diseases [2]	Pneumonia, flu	Diabetes mellitus	Suicide	Chronic liver disease and cirrhosis	Atherosclerosis	Homicide and legal intervention
U.S	**873.9**	**323.0**	**193.3**	**64.1**	**39.1**	**31.3**	**28.3**	**15.5**	**12.3**	**11.2**	**10.0**	**8.3**
Region:												
Northeast	973.5	387.0	222.7	62.4	31.9	31.2	31.8	18.7	9.1	13.8	9.8	6.4
Midwest	898.3	343.3	198.1	68.2	35.3	31.9	29.6	16.4	11.9	9.7	12.2	6.6
South	871.2	311.6	186.6	67.9	45.0	29.8	25.6	14.9	13.1	9.8	9.1	10.6
West	744.9	250.8	164.9	54.4	41.6	33.4	28.0	12.0	15.0	12.7	9.1	8.8
N.E	**932.1**	**351.8**	**220.3**	**63.2**	**32.5**	**33.1**	**33.5**	**16.6**	**10.2**	**11.5**	**11.2**	**3.5**
ME	979.4	369.2	222.3	67.4	37.4	44.9	30.0	16.4	14.2	11.5	16.8	2.7
NH	849.1	304.4	210.7	59.6	35.4	36.1	25.1	19.8	13.5	8.8	10.7	1.7
VT	871.4	325.2	189.2	62.6	39.3	42.8	26.0	14.4	14.2	10.8	10.1	3.8
MA	955.4	360.9	224.4	65.0	31.9	32.0	36.3	16.0	9.1	13.8	10.3	3.6
RI	997.6	382.5	242.5	65.9	27.7	36.4	28.0	23.3	10.0	11.1	14.8	4.0
CT	868.4	338.7	215.4	58.9	31.2	27.0	31.6	15.3	9.0	9.9	10.0	4.0
M.A	**987.6**	**396.1**	**223.4**	**62.1**	**31.6**	**30.6**	**31.0**	**19.4**	**8.7**	**14.6**	**9.3**	**7.3**
NY	969.9	403.0	213.8	58.2	30.1	28.7	33.9	17.8	6.8	17.0	8.6	9.8
NJ	940.7	368.8	225.6	59.9	30.0	29.0	28.0	18.9	7.9	15.2	9.0	5.5
PA	1,043.9	412.5	236.2	69.3	35.1	34.3	28.4	22.0	12.1	10.5	10.4	5.0
E.N.C	**887.5**	**344.0**	**198.4**	**65.4**	**33.7**	**30.8**	**27.0**	**16.9**	**11.8**	**10.6**	**11.5**	**7.6**
OH	920.6	355.9	208.0	65.9	32.5	33.7	27.2	19.7	11.9	9.1	11.1	5.1
IN	876.3	323.2	197.4	75.2	36.7	33.8	23.5	18.6	11.8	9.1	13.1	6.0
IL	886.5	351.0	196.0	62.1	32.7	28.8	29.0	15.1	11.1	10.9	9.5	9.0
MI	866.2	337.3	190.4	60.9	35.4	30.5	24.5	15.3	12.0	13.9	12.9	11.7
WI	868.8	337.3	194.5	69.8	32.3	27.2	30.2	15.9	12.8	9.0	12.3	3.4
W.N.C	**923.9**	**341.6**	**197.4**	**74.7**	**38.8**	**34.4**	**35.9**	**15.3**	**12.0**	**7.8**	**14.1**	**4.4**
MN	830.2	290.1	180.4	75.2	36.9	28.5	33.7	13.4	10.9	7.9	12.9	2.1
IA	966.1	370.8	212.8	80.0	38.3	36.3	40.3	15.9	11.8	7.5	18.2	2.0
MO	1,000.4	367.8	214.1	76.2	40.0	38.2	34.5	15.8	13.3	7.8	12.0	8.8
ND	821.8	314.5	177.5	67.2	33.1	26.6	31.4	16.8	12.3	7.2	15.9	1.8
SD	932.8	364.5	192.5	74.0	39.8	33.2	40.8	14.4	11.4	8.8	13.6	3.0
NE	928.5	347.7	193.8	71.5	36.7	37.4	41.9	14.8	11.1	7.3	16.4	2.9
KS	900.3	338.5	184.0	68.9	41.3	34.7	32.9	16.9	11.9	6.9	13.8	4.6
S.A	**904.3**	**324.9**	**203.0**	**69.8**	**43.9**	**31.4**	**25.7**	**15.5**	**13.3**	**11.4**	**8.7**	**10.0**
DE	880.2	331.2	209.5	46.6	35.0	30.9	19.6	24.1	9.5	10.3	8.7	5.5
MD	833.6	298.7	199.5	51.8	35.7	26.8	21.7	15.8	11.3	9.7	6.6	8.4
DC	1,120.5	340.3	255.7	70.8	96.7	22.2	37.1	16.8	6.3	25.7	10.1	23.4
VA	794.1	281.4	183.5	61.6	38.2	27.1	25.4	11.0	13.2	9.6	8.3	7.5
WV	1,003.8	401.3	213.6	70.4	46.3	42.1	30.9	18.1	13.1	10.1	9.9	4.5
NC	846.3	304.5	178.3	73.9	47.3	26.8	28.2	13.9	12.5	9.1	8.4	9.1
SC	812.8	285.8	169.3	73.0	49.9	23.7	23.7	15.2	11.8	9.7	8.7	9.7
GA	814.3	277.1	168.0	71.1	47.5	28.1	26.1	14.2	12.3	10.1	7.5	11.9
FL	1,065.6	390.7	251.1	78.0	45.0	40.5	25.3	18.2	16.2	15.0	10.9	11.9
E.S.C	**927.7**	**336.1**	**194.2**	**76.2**	**47.8**	**33.3**	**29.1**	**16.1**	**11.7**	**8.8**	**9.8**	**9.6**
KY	935.0	350.3	201.0	71.9	42.8	38.6	33.7	18.5	12.9	9.1	9.0	6.8
TN	906.8	331.0	193.1	75.0	46.3	33.1	30.7	12.9	12.4	8.1	9.2	9.1
AL	934.9	325.6	198.0	81.8	49.1	32.9	25.1	17.5	10.7	9.8	11.4	11.3
MS	944.6	335.7	180.9	76.2	55.8	26.5	25.5	18.4	10.4	8.2	8.6	11.8
W.S.C	**788.6**	**277.9**	**163.5**	**60.2**	**45.0**	**24.9**	**23.4**	**13.3**	**13.6**	**8.1**	**9.3**	**12.1**
AR	1,022.8	383.1	212.7	87.8	50.8	32.7	31.9	14.8	13.4	8.7	10.5	9.0
LA	825.4	293.8	183.5	59.0	46.2	23.4	19.8	16.7	13.1	8.6	11.3	11.7
OK	900.8	339.9	185.5	75.3	46.4	32.5	31.2	13.3	14.5	7.6	12.4	8.5
TX	722.2	245.9	146.5	53.8	43.5	22.7	21.6	11.7	13.6	8.2	8.0	13.4
Mt	**887.8**	**222.8**	**141.8**	**44.3**	**45.6**	**35.2**	**23.7**	**12.8**	**17.3**	**10.1**	**8.5**	**6.6**
MT	815.0	268.5	174.9	62.1	50.7	41.7	28.5	15.0	17.5	10.3	13.6	5.8
ID	708.7	243.0	141.2	58.8	48.4	35.4	22.4	13.3	13.4	5.4	9.8	2.8
WY	642.9	208.8	116.3	38.4	52.0	31.4	24.1	9.8	22.5	9.2	5.5	4.5
CO	625.7	198.4	124.4	40.1	39.4	34.9	26.7	10.5	18.0	8.8	10.8	5.9
NM	672.8	192.8	131.7	40.5	56.9	32.9	19.4	15.8	17.5	13.8	8.3	11.0
AZ	771.5	249.8	173.8	46.0	47.8	41.4	24.2	11.4	17.5	12.8	9.0	8.1
UT	550.1	187.4	92.6	39.3	38.8	21.2	19.5	12.5	13.1	5.5	5.0	2.8
NV	772.3	266.3	180.4	40.4	43.9	39.4	22.9	10.9	22.4	13.3	4.6	10.9
Pac	**765.7**	**261.1**	**173.4**	**58.1**	**40.1**	**32.8**	**29.5**	**11.7**	**14.2**	**13.6**	**9.4**	**9.4**
WA	782.8	267.7	180.0	60.3	37.9	35.8	27.1	14.2	14.0	10.0	9.4	5.5
OR	889.7	308.8	200.6	74.3	45.9	40.5	31.8	12.0	15.6	10.4	15.8	4.5
CA	766.0	262.0	172.8	57.5	39.5	32.5	30.4	11.4	14.3	15.0	9.1	10.8
AK	396.2	80.3	76.2	18.0	83.9	12.1	8.0	4.8	14.0	7.5	3.1	8.8
HI	554.2	177.8	137.4	41.3	26.6	17.8	22.4	13.4	8.9	7.2	4.1	3.5

[1] Includes other causes not shown separately. [2] Includes allied conditions.

Source: U.S. National Center for Health Statistics, *Monthly Vital Statistics Report*, vol. 36, No. 5 and unpublished data.

Digitized by Google

No. 120. Death Rates From Cancer, by Sex, Age, and Selected Type: 1960 to 1985

[Deaths per 100,000 population in the specified age groups. See headnote, table 121]

Age at death and selected type of cancer	Male					Female				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total U.S. rate [1]	162.5	182.1	205.3	211.1	212.6	136.4	144.4	163.6	173.5	175.1
25–34 years	18.8	16.3	13.4	12.8	13.0	20.1	16.7	14.0	13.1	13.1
35–44 years	48.9	53.0	44.0	41.7	42.3	70.0	65.8	53.1	51.4	49.1
45–54 years	170.8	183.5	188.7	177.0	174.5	183.0	181.5	171.8	164.4	164.0
55–64 years	459.9	511.8	520.8	530.7	531.1	337.7	343.2	361.7	375.8	379.1
65 years old and over	1,066.2	1,221.2	1,371.6	1,387.2	1,389.8	709.1	708.3	767.6	808.3	813.8
65–74 years	690.5	1,006.8	1,093.2	1,088.0	1,085.6	560.2	557.9	607.1	638.1	644.6
75–84 years	1,389.4	1,588.3	1,790.5	1,826.6	1,840.2	924.1	891.9	903.1	944.2	948.3
85 years old and over	1,741.2	1,720.8	2,369.5	2,427.2	2,413.7	1,263.9	1,096.7	1,255.7	1,271.5	1,262.9
Persons, 45–54 years old:										
Respiratory, intrathoracic	54.7	72.1	79.8	73.0	70.7	10.1	22.2	34.6	35.8	35.9
Digestive organs, peritoneum	53.2	45.9	44.3	42.0	41.7	38.9	32.5	27.8	26.4	25.7
Breast	.2	.4	.2	.2	.3	51.4	52.8	48.1	45.8	46.7
Genital organs	4.0	3.4	3.4	3.0	3.1	44.8	34.4	24.1	20.6	20.4
Lymphatic and hematopoietic tissues, excl. leukemia	11.8	12.8	10.2	10.1	10.0	7.1	8.3	6.6	6.5	6.4
Urinary organs	8.3	8.0	7.4	7.8	7.5	3.5	3.5	3.3	3.0	3.0
Lip, oral cavity, and pharynx	7.9	7.9	8.2	7.2	6.8	2.8	2.8	2.8	2.2	2.0
Leukemia	7.2	6.6	6.2	5.9	5.7	5.3	4.9	4.4	4.7	4.3
Persons, 55–64 years old:										
Respiratory, intrathoracic	150.2	202.3	223.8	231.2	231.1	17.0	38.9	74.5	89.7	93.9
Digestive organs, peritoneum	153.7	139.0	129.3	129.5	129.3	102.2	86.0	79.1	77.0	74.7
Breast	1.0	.6	.7	.5	.6	70.8	77.6	80.5	82.0	83.8
Genital organs	23.5	22.8	23.5	24.5	24.3	73.0	58.2	46.8	43.3	42.8
Lymphatic and hematopoietic tissues, excl. leukemia	23.1	27.1	24.4	24.9	25.0	15.7	17.7	16.6	17.3	17.5
Urinary organs	25.9	26.4	22.9	21.8	22.2	9.3	9.4	6.9	6.4	6.5
Lip, oral cavity, and pharynx	16.3	20.1	17.9	17.0	15.8	3.8	6.2	6.0	5.8	5.4
Leukemia	16.1	15.4	14.7	14.6	14.6	10.6	9.0	9.3	9.2	9.2
Persons, 65–74 years old:										
Respiratory, intrathoracic	221.7	340.7	422.0	426.8	424.6	26.2	45.6	106.1	135.1	145.1
Digestive organs, peritoneum	334.9	293.3	284.1	275.0	272.7	218.0	185.8	173.6	167.9	162.7
Breast	1.2	1.4	1.1	1.1	1.0	90.0	93.8	101.1	108.0	107.7
Genital organs	102.1	103.7	107.6	107.2	108.3	97.9	85.6	73.8	70.7	71.2
Lymphatic and hematopoietic tissues, excl. leukemia	37.9	50.3	48.1	50.3	52.2	24.5	34.6	34.4	36.1	36.6
Urinary organs	57.2	60.3	56.9	52.1	51.1	21.6	20.1	19.7	18.7	19.7
Lip, oral cavity, and pharynx	26.5	26.8	25.4	23.8	23.7	6.2	8.7	8.8	6.4	8.6
Leukemia	34.0	35.3	35.3	33.7	34.0	20.2	19.3	18.7	19.2	19.2
Persons, 75–84 years old:										
Respiratory, intrathoracic	188.5	354.2	511.5	553.7	559.0	36.5	56.5	98.0	128.0	137.2
Digestive organs, peritoneum	559.5	507.5	496.6	484.1	476.2	422.9	353.3	326.3	317.4	312.2
Breast	1.7	2.7	2.1	1.9	2.3	129.9	127.4	126.4	136.2	137.7
Genital organs	265.9	299.4	315.4	315.8	321.4	119.1	104.9	95.7	93.8	93.8
Lymphatic and hematopoietic tissues, excl. leukemia	43.9	74.0	80.0	86.4	92.8	31.4	49.4	57.8	63.7	64.2
Urinary organs	98.6	112.2	112.4	107.3	106.2	45.5	44.0	37.4	38.4	36.8
Lip, oral cavity, and pharynx	40.5	36.8	31.4	28.1	27.6	11.6	10.8	10.9	10.2	10.0
Leukemia	56.5	68.3	71.5	68.8	70.1	35.5	39.8	38.5	38.2	38.5
Persons, 85 years old and over:										
Respiratory, intrathoracic	132.2	215.3	386.3	442.8	450.2	45.2	56.5	96.3	101.0	102.7
Digestive organs, peritoneum	676.6	583.7	705.8	679.1	656.8	601.4	465.0	504.3	500.8	490.4
Breast	2.5	2.9	2.6	3.0	3.9	191.9	157.1	169.3	180.0	175.9
Genital organs	468.2	434.2	612.3	642.8	605.0	131.4	107.3	115.9	107.0	104.6
Lymphatic and hematopoietic tissues, excl. leukemia	40.9	58.1	93.2	102.5	113.1	25.2	41.7	63.0	69.5	72.8
Urinary organs	120.4	140.5	177.0	182.5	182.7	66.3	59.9	63.6	63.6	62.3
Lip, oral cavity, and pharynx	60.7	47.0	40.2	35.9	32.2	18.2	19.2	18.0	15.5	15.8
Leukemia	64.9	83.3	117.1	109.1	113.1	35.8	50.9	61.1	62.3	63.0

[1] Includes persons under 25 years of age and malignant neoplasms of other and unspecified sites, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

No. 121. Death Rates From Heart Disease, by Sex, Age, and Selected Type: 1960 to 1985

[**Deaths per 100,000 population in specified age groups.** Beginning 1970, excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III]

Age at death and selected type of heart disease	Male					Female				
	1960	1970	1980	1984	1985	1960	1970	1980	1984	1985
Total U.S. rate [1]	**439.5**	**422.5**	**368.6**	**345.2**	**342.8**	**300.6**	**304.5**	**305.1**	**303.0**	**304.3**
25–34 years	20.1	15.2	11.4	11.3	11.5	11.3	7.7	5.3	4.8	5.0
35–44 years	112.7	103.2	68.7	59.7	58.4	38.2	32.2	21.4	18.3	18.3
45–54 years	420.4	376.4	282.6	243.2	236.9	127.5	109.9	84.5	75.1	73.8
55–64 years	1,066.9	987.2	746.8	670.7	651.9	429.4	351.6	272.1	255.4	250.3
65 years old and over	3,314.7	3,258.0	2,778.6	2,546.9	2,519.3	2,415.6	2,268.2	2,027.5	1,942.4	1,938.0
65–74 years	2,291.3	2,170.3	1,728.0	1,537.2	1,508.4	1,261.3	1,082.7	828.6	764.3	745.3
75–84 years	4,742.4	4,534.8	3,834.3	3,535.2	3,498.0	3,582.7	3,120.8	2,497.0	2,283.2	2,245.2
85 years old and over	9,788.9	8,426.2	8,752.7	8,154.8	8,123.7	9,016.8	7,591.8	7,350.5	6,885.9	6,935.7
Persons 45–54 years old:										
Ischemic heart	347.1	336.0	217.3	178.0	169.9	72.4	84.0	52.2	44.9	43.3
Rheumatic heart	19.9	11.4	3.1	2.0	1.9	19.5	10.6	4.3	2.7	2.7
Hypertensive heart [2]	23.9	4.6	8.3	8.4	8.4	21.5	4.0	5.4	4.5	4.6
Persons 55–64 years old:										
Ischemic heart	885.2	904.8	581.1	495.9	474.6	295.6	299.1	189.0	170.4	163.3
Rheumatic heart	29.0	21.5	6.2	4.9	4.2	26.4	20.8	9.2	6.8	6.3
Hypertensive heart [2]	71.2	11.7	21.8	19.7	19.6	63.9	9.1	13.3	11.6	12.2
Persons 65–74 years old:										
Ischemic heart	1,863.2	2,010.0	1,355.5	1,145.3	1,110.8	914.8	978.0	605.3	536.6	514.1
Rheumatic heart	31.0	31.9	11.8	9.3	8.6	31.2	30.2	18.6	14.8	13.3
Hypertensive heart [2]	174.3	30.6	44.3	39.5	38.2	175.4	24.8	36.2	31.2	29.0
Persons 75–84 years old:										
Ischemic heart	3,636.6	4,222.7	2,953.7	2,818.0	2,544.9	2,502.5	2,866.3	1,842.7	1,604.4	1,547.5
Rheumatic heart	35.2	34.8	16.7	15.5	14.7	37.9	34.3	25.4	24.4	24.1
Hypertensive heart [2]	401.2	80.8	90.7	79.0	79.5	488.3	83.9	101.1	82.9	80.4
Persons 85 years old and over:										
Ischemic heart	6,930.6	7,781.5	6,501.6	5,729.4	5,658.9	6,009.4	6,951.5	5,280.6	4,684.0	4,642.8
Rheumatic heart	46.1	34.7	19.5	17.9	17.7	58.0	39.2	25.8	27.7	27.2
Hypertensive heart [2]	858.2	182.0	180.3	154.4	150.7	1,064.8	223.5	250.8	214.1	213.9

[1] Includes persons under 25 years old, not shown separately. [2] With or without renal disease.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

No. 122. Death Rates From Accidents and Violence: 1970 to 1985

[**Rates are per 100,000 population.** Excludes deaths of nonresidents of the U.S. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See Appendix III]

Cause of death and age	White						Black					
	Male			Female			Male			Female		
	1970	1980	1985	1970	1980	1985	1970	1980	1985	1970	1980	1985
Total [1]	**101.9**	**97.1**	**84.1**	**42.4**	**36.3**	**32.8**	**183.2**	**154.0**	**123.2**	**51.7**	**42.6**	**35.8**
Motor vehicle accidents	39.1	35.9	28.2	14.8	12.8	11.4	44.3	31.1	26.7	13.4	8.3	8.3
All other accidents	38.2	30.4	26.2	18.3	14.4	12.9	63.3	46.0	37.2	22.5	18.6	14.5
Suicide	18.0	19.9	21.5	7.1	5.9	5.6	8.0	10.3	10.8	2.6	2.2	2.1
Homicide	6.8	10.9	8.2	2.1	3.2	2.9	67.6	66.6	48.4	13.3	13.5	11.0
15–24 years	130.7	138.6	111.8	34.9	37.3	32.3	234.3	162.0	132.8	45.5	35.0	29.4
25–34 years	96.6	118.4	98.8	23.8	29.0	25.1	384.4	256.9	186.5	76.0	49.4	40.4
35–44 years	85.7	94.1	80.6	25.8	29.2	25.3	345.2	218.1	175.1	77.2	43.2	36.5
45–54 years	87.5	90.8	77.1	30.4	31.8	27.4	303.3	207.3	147.9	65.5	40.2	33.1
55–64 years	101.5	92.3	85.4	36.3	33.8	30.6	242.4	198.5	145.5	56.0	47.3	36.6
65 years and over	216.9	163.9	155.3	122.4	87.2	81.4	220.0	215.8	186.9	107.9	102.9	84.7
65–74 years	128.0	116.7	104.2	57.7	46.4	45.4	217.4	182.2	151.5	81.5	68.7	53.4
75–84 years	229.3	209.2	207.2	149.0	101.5	92.3	236.0	261.4	232.8	140.1	137.5	110.7
85 years old and over	466.7	438.5	427.3	391.4	268.1	223.4	271.8	379.2	344.6	214.3	235.7	197.1

[1] Includes persons under 15 years old, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

No. 123. Deaths and Death Rates From Accidents, by Type: 1970 to 1985

[See headnote, table 122, and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series B 163-165]

Type of accident	Deaths					Rate				
	1970	1980	1983	1984	1985	1970	1980	1983	1984	1985
Accidents and adverse effects	**114,638**	**105,718**	**92,488**	**92,911**	**93,457**	**56.4**	**46.7**	**39.5**	**39.3**	**39.1**
Motor-vehicle accidents	54,633	53,172	44,452	46,263	45,901	26.9	23.5	19.0	19.6	19.2
Traffic	53,493	51,930	43,428	45,208	44,822	26.3	22.9	18.6	19.1	18.8
Nontraffic	1,140	1,242	1,024	1,055	1,079	.6	.5	.4	.4	.5
Water-transport accidents	1,651	1,429	1,316	1,131	1,111	.8	.6	.6	.5	.5
Air and space transport accidents	1,612	1,494	1,312	1,234	1,428	.8	.7	.6	.5	.6
Railway accidents	852	632	544	570	551	.4	.3	.2	.2	.2
Accidental falls	16,926	13,294	12,024	11,937	12,001	8.3	5.9	5.1	5.0	5.0
Fall from one level to another	4,798	3,743	3,372	3,269	3,365	2.4	1.7	1.4	1.4	1.4
Fall on the same level	828	415	432	436	411	.4	.2	.2	.2	.2
Fracture, cause unspecified, and other and unspecified falls	11,300	9,136	8,220	8,232	8,225	5.6	4.0	3.5	3.5	3.4
Accidental drowning	6,391	6,043	5,254	4,444	4,407	3.1	2.7	2.2	1.9	1.8
Accidents caused by—										
Fires and flames	6,718	5,822	5,028	5,010	4,938	3.3	2.6	2.1	2.1	2.1
Firearms	2,406	1,955	1,695	1,668	1,649	1.2	.9	.7	.7	.7
Electric current	1,140	1,095	872	888	802	.6	.5	.4	.4	.3
Accidental poisoning by—										
Drugs and medicines	2,505	2,492	2,866	3,266	3,612	1.2	1.1	1.2	1.4	1.5
Other solid and liquid substances	1,174	597	516	542	479	.6	.3	.2	.2	.2
Gases and vapors	1,620	1,242	1,251	1,103	1,079	.8	.5	.5	.5	.5
Complications due to medical procedures	3,581	2,437	2,660	2,628	2,852	1.8	1.1	1.1	1.1	1.2
Inhalation and ingestion of objects	2,753	3,249	3,387	3,541	3,551	1.4	1.4	1.4	1.5	1.5
All other accidents	10,676	10,765	9,311	8,686	9,096	5.2	4.7	4.0	3.7	3.8

No. 124. Suicide Rates, by Sex, Race, and Age Group: 1970 to 1985

[See headnote, table 122]

Age	Total [1]			Male						Female					
				White			Black			White			Black		
	1970	1980	1985	1970	1980	1985	1970	1980	1985	1970	1980	1985	1970	1980	1985
All ages [1]	**11.6**	**11.9**	**12.3**	**18.0**	**19.9**	**21.5**	**8.0**	**10.3**	**10.8**	**7.1**	**5.9**	**5.6**	**2.6**	**2.2**	**2.1**
10–14 years	.6	.8	1.6	1.1	1.4	2.5	.3	.5	1.3	.3	.3	.9	.4	.1	.4
15–19 years	5.9	8.5	10.0	9.4	15.0	17.3	4.7	5.6	8.2	2.9	3.3	4.1	2.9	1.6	1.5
20–24 years	12.2	16.1	15.6	19.3	27.8	27.4	16.7	20.0	18.5	5.7	5.9	5.2	4.9	3.1	2.4
25–34 years	14.1	16.0	15.2	19.9	25.6	25.4	19.2	21.8	19.6	9.0	7.5	6.4	5.7	4.1	3.0
35–44 years	16.9	15.4	14.6	23.3	23.5	23.5	12.6	15.6	14.9	13.0	9.1	7.7	3.7	4.6	3.6
45–54 years	20.0	15.9	15.6	29.5	24.2	25.1	13.8	12.0	13.5	13.5	10.2	9.0	3.7	2.8	3.2
55–64 years	21.4	15.9	16.7	35.0	25.8	26.6	10.6	11.7	11.5	12.3	9.1	8.4	2.0	2.3	2.2
65 years and over	20.8	17.8	20.3	41.1	37.5	43.2	8.7	11.4	15.2	8.5	6.5	6.9	2.6	1.4	2.7
65–74 years	20.8	16.9	18.5	38.7	32.5	35.3	8.7	11.1	15.8	9.6	7.0	7.3	2.9	1.7	2.0
75–84 years	21.2	19.1	24.1	45.5	45.5	57.1	8.9	10.5	15.6	7.2	5.7	7.0	1.7	1.4	4.5
85 years and over	19.0	19.2	19.1	45.8	52.8	60.3	8.7	18.9	7.7	5.8	5.8	4.7	2.8	–	1.4

– Represents or rounds to zero. [1] Includes other races not shown separately. [2] Includes other age groups not shown separately.

No. 125. Suicides, by Sex and Method Used: 1970 to 1985

[Excludes deaths of nonresidents of the United States. Beginning 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*. For earlier years, classified according to the revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 979-986]

Method	Male							Female						
	1970	1975	1980	1982	1983	1984	1985	1970	1975	1980	1982	1983	1984	1985
Total	**16,629**	**19,622**	**20,505**	**21,625**	**21,786**	**22,689**	**23,145**	**6,851**	**7,441**	**6,364**	**6,617**	**6,509**	**6,597**	**6,308**
Firearms [1]	9,704	12,185	12,937	13,872	13,959	14,504	14,809	2,068	2,688	2,459	2,688	2,641	2,609	2,554
Percent of total	58.4	62.1	63.1	64.1	64.1	63.9	64.0	30.2	36.1	38.6	40.6	40.6	39.5	40.5
Poisoning [2]	3,299	3,297	2,997	2,927	3,148	3,203	3,319	3,285	3,129	2,456	2,432	2,469	2,406	2,385
Hanging and strangulation [3]	2,422	2,815	2,997	3,314	3,222	3,478	3,532	831	846	694	747	709	863	732
Other [4]	1,204	1,325	1,574	1,512	1,457	1,504	1,485	667	778	755	750	690	719	637

[1] Includes explosives through 1975. [2] Includes solids, liquids, and gases. [3] Includes suffocation. [4] Beginning 1980 includes explosives.

Source of tables 123-125: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual

Digitized by Google

No. 126. Marriages and Divorces: 1970 to 1984

[For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series A 158-159 and B 214-220]

Marriage and divorce	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
MARRIAGES										
Total (1,000) [1]	2,159	2,153	2,178	2,282	2,331	2,390	2,422	2,456	2,446	2,477
Rate per 1,000 population [1]	10.6	10.0	9.9	10.3	10.4	10.6	10.6	10.6	10.5	10.5
Rate per 1,000 unmarried women: [1 2]										
15–44 years old	140.2	118.5	109.8	109.1	107.9	102.6	103.1	101.9	99.3	99.0
15 years old and over	76.5	66.9	63.6	64.1	63.6	61.4	61.7	61.4	59.9	59.5
First marriage of bride [3] (1,000)	1,252	1,191	1,147	1,174	1,214	1,221	1,219	1,240	1,218	1,225
Rate per 1,000 single women: [2]										
15 years old and over	[4] 82.9	[4] 68.1	[4] 62.7	[4] 62.1	[4] 62.1	66.0	64.9	66.0	63.8	63.5
18–19 years old	151.4	115.0	99.6	95.6	91.7	87.3	80.7	78.5	72.6	72.1
20–24 years old	220.1	143.8	125.6	123.0	121.9	119.8	110.0	111.9	106.9	104.4
25–44 years old	82.5	61.7	78.6	77.1	76.8	74.9	79.3	80.7	79.2	80.5
45–64 years old	6.8	9.2	8.6	7.9	7.8	7.0	7.9	8.6	8.4	8.3
65 years old and over	1.1	1.2	1.0	1.0	.9	.9	.9	.9	.9	.8
Median age at first marriage: [3]										
Male (years)	22.5	22.7	23.0	23.2	23.4	23.6	23.9	24.1	24.4	24.6
Female (years)	20.6	20.8	21.1	21.4	21.6	21.8	22.0	22.3	22.5	22.8
Remarriages of bride [3 5] (1,000)	393	510	532	548	582	591	616	629	629	635
Rate per 1,000 widowed and divorced: [3]										
15 years old and over	[4] 36.6	[4] 40.1	[4] 40.0	[4] 40.0	[4] 40.6	38.3	39.9	39.2	38.4	37.6
15–24 years old	[4] 317.6	[4] 319.9	[4] 323.5	[4] 321.5	[4] 312.6	231.0	260.0	267.7	268.1	249.2
25–44 years old	142.3	144.5	129.0	126.8	127.5	117.3	119.7	119.5	117.4	114.4
45–64 years old	24.8	23.5	22.1	21.9	21.7	19.7	19.9	20.8	20.9	20.5
65 years old and over	2.5	2.5	2.4	2.1	3.0	2.3	2.3	2.2	2.2	2.2
Remarriages of divorced women (1,000) [3]	270	365	391	406	432	447	475	487	485	490
Rate per 1,000 divorced women: [3]										
15 years old and over	[4] 123.3	[4] 117.2	[4] 107.3	[4] 105.0	[4] 104.0	91.3	96.3	94.4	91.6	87.3
15–24 years old	[4] 413.4	[4] 319.6	[4] 347.3	[4] 313.7	[4] 309.1	236.4	262.2	263.6	250.1	244.3
25–44 years old	179.6	158.6	137.3	134.4	135.2	122.8	129.1	129.6	126.0	120.6
45–64 years old	42.6	40.1	35.6	35.6	35.1	30.3	30.2	31.3	31.2	30.4
65 years old and over	6.1	9.1	6.4	6.4	7.4	5.3	5.7	5.3	4.9	4.8
Median age at remarriage: [3]										
Male (years)	37.5	35.5	34.9	35.1	35.3	35.2	35.3	35.7	36.2	36.8
Female (years)	33.3	32.0	31.4	31.5	31.9	32.0	32.1	32.5	32.9	33.3
DIVORCES [7]										
Total (1,000)	708	1,036	1,091	1,130	1,181	1,189	1,213	1,170	1,158	1,169
Rate per 1,000 population	3.5	4.6	5.0	5.1	5.3	5.2	5.3	5.0	4.9	5.0
Rate per 1,000 married women, 15 yr. old and over [3]	14.9	20.3	21.1	21.9	22.6	22.6	22.6	21.7	21.3	21.5
Median duration of marriage [8] (years)	6.7	6.5	6.6	6.6	6.8	6.8	7.0	7.0	7.0	6.9
Median age at divorce after 1st marriage: [9]										
Male (years)	30.5	30.2	30.6	30.7	31.0	31.2	31.5	31.9	32.3	32.4
Female (years)	27.9	28.1	28.4	28.4	28.7	28.9	29.2	29.5	29.8	30.0
Children involved in divorces [8] (1,000)	870	1,123	1,095	1,147	1,181	1,174	1,180	1,108	1,091	1,061
Avg. number of children involved	1.22	1.08	1.00	1.01	1.00	.98	.97	.94	.94	.92

[1] Beginning 1978 includes nonlicensed marriages registered in California. [2] Rates for 1975–1979 are based on population estimates that were not revised in accordance with 1980 census results. [3] Number of States reporting: 1970, 39; 1975–1978, 41; and 1979-1984, 42. Includes DC. [4] 14 years old and over. [5] Includes remarriages of widows and of women whose prior marital status is unknown. [6] 14–24 years old. [7] Includes annulments. [8] Number of States reporting: 1970 and 1976, 29; 1975 and 1977, 29; 1978 and 1980, 30; and 1981–1984, 31. [9] Number of States reporting: 1970, 27; 1975–1978, 28; 1979 and 1980, 30; and 1981–1984, 31. Median age computed on grouped ages.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; *Monthly Vital Statistics Report*; and unpublished data.

No. 127. Percent Distribution of Marriages by Marriage Order of Bride and Groom: 1970 to 1984

[Beginning 1977, excludes Iowa. Data cover marriage-registration area, see footnote 3, table 126. Excludes marriages with marriage order not stated. Based on a sample and subject to sampling variability; for details, see source]

Marriage order	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First marriage of bride and groom	68.6	60.1	57.5	57.1	56.4	56.2	54.7	54.8	54.4	54.4
First marriage of bride, remarriage of groom	7.6	9.9	10.8	11.1	11.2	11.3	11.8	11.6	11.6	11.5
Remarriage of bride, first marriage of groom	7.3	8.6	9.0	9.3	9.5	9.8	10.1	10.3	10.5	10.7
Remarriage of bride and groom	16.5	21.3	22.6	22.5	22.9	22.7	23.4	23.3	23.5	23.4

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual, and unpublished data.

Digitized by Google

No. 128. Marriages and Divorces—Number and Rate, by State: 1980 to 1986

[By place of occurrence. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Marriages [1]						Divorces [3]					
	Number (1,000)			Rate per 1,000 population [2]			Number (1,000)			Rate per 1,000 population [2]		
	1980	1985, prel.	1986, prel.	1980	1985, prel.	1986, prel.	1980	1985, prel.	1986, prel.	1980	1985, prel.	19 pr
U.S.	2,390.3	[4] 2,425.0	[4] 2,400.0	10.6	10.2	10.0	1,189.0	[5] 1,187.0	[5] 1,159.0	5.2	[5] 5.0	[5]
Region:												
Northeast	400.3	430.3	430.2	8.1	8.8	8.8	174.0	184.7	173.5	3.5	3.7	
Midwest	569.2	522.9	515.7	9.7	8.8	8.7	292.0	(NA)	(NA)	5.0	(NA)	(
South	880.2	935.9	925.7	11.7	11.4	11.2	449.0	(NA)	(NA)	8.0	(NA)	(
West	540.5	547.7	538.5	12.5	11.5	11.0	274.0	263.6	265.2	6.3	5.5	
New England	106.3	114.9	104.4	8.6	9.1	8.2	49.0	47.3	45.5	4.0	3.7	
Maine	12.0	11.3	12.1	10.7	9.7	10.3	6.2	6.2	5.5	5.5	5.4	
New Hampshire	9.3	11.2	11.7	10.0	11.2	11.4	5.3	4.9	4.7	5.7	5.0	
Vermont	5.2	5.6	5.6	10.2	10.5	10.4	2.6	2.3	2.4	5.1	4.3	
Massachusetts	46.3	51.8	40.7	8.1	8.9	7.0	17.9	19.8	20.0	3.1	3.4	
Rhode Island	7.5	8.0	8.0	7.9	8.2	8.3	3.8	3.8	3.7	3.8	3.7	
Connecticut	26.0	27.2	26.3	8.4	8.6	8.2	13.5	10.5	9.2	4.3	3.3	
Middle Atlantic	294.0	315.5	325.8	8.0	8.5	8.7	124.7	137.4	128.0	3.4	3.7	
New York	144.5	[6] 164.9	[6] 176.9	8.2	[6] 9.3	[6] 10.0	62.0	66.3	59.5	3.5	3.8	
New Jersey	55.8	61.9	60.8	7.8	8.2	8.0	27.8	29.3	28.4	3.8	3.9	
Pennsylvania	93.7	88.7	88.2	7.9	7.5	7.4	34.9	39.8	40.1	2.9	3.4	
East North Central	395.5	365.7	359.9	9.5	8.8	8.6	212.4	(NA)	(NA)	5.1	(NA)	
Ohio	99.8	94.2	97.0	9.2	8.8	9.0	58.8	53.2	53.4	5.4	5.0	
Indiana	57.9	52.7	50.5	10.5	9.6	9.2	[7] 40.0	(NA)	(NA)	[7] 7.3	(NA)	
Illinois	109.8	97.9	96.3	9.8	8.5	8.3	51.0	48.4	46.5	4.5	4.2	
Michigan	86.9	80.8	77.8	9.4	8.9	8.5	45.0	37.7	37.7	4.9	4.2	
Wisconsin	41.1	40.1	38.4	8.7	8.4	8.0	17.5	16.9	16.7	3.7	3.5	
West North Central	173.7	157.3	155.8	10.1	9.0	8.9	79.6	73.9	73.7	4.6	4.2	
Minnesota	37.6	34.5	35.0	9.2	8.2	8.3	15.4	13.8	13.9	3.8	3.3	
Iowa	27.5	24.7	23.4	9.4	8.6	8.2	11.9	10.8	10.2	4.1	3.7	
Missouri	54.6	49.0	50.3	11.1	9.7	9.9	27.8	25.4	25.9	5.6	5.0	
North Dakota	6.1	5.5	5.2	9.3	8.0	7.8	2.1	2.3	2.3	3.3	3.4	
South Dakota	8.8	7.8	7.4	12.7	11.1	10.5	2.8	2.6	2.8	4.1	3.8	
Nebraska	14.2	12.2	12.0	9.1	7.8	7.5	6.4	6.5	6.2	4.1	4.0	
Kansas	24.8	23.6	22.6	10.5	9.6	9.2	13.4	12.8	12.6	5.7	5.2	
South Atlantic	413.1	443.6	442.5	11.2	11.0	10.8	206.3	210.8	211.1	5.6	5.2	
Delaware	4.4	5.3	5.5	7.5	8.8	8.6	2.3	3.0	3.1	3.9	4.6	
Maryland	46.3	47.1	46.0	11.0	10.7	10.3	17.5	16.2	15.5	4.1	3.7	
District of Columbia	5.2	5.0	5.1	8.1	8.1	8.2	4.7	2.8	2.4	7.3	4.5	
Virginia	60.2	66.7	66.8	11.3	11.7	11.5	23.8	24.2	25.0	4.4	4.3	
West Virginia	17.4	14.6	13.8	8.9	7.8	7.2	10.3	10.0	9.8	5.3	5.1	
North Carolina	46.7	50.8	50.2	7.9	8.1	7.9	28.1	30.3	31.7	4.8	4.9	
South Carolina	53.9	52.8	54.1	17.3	15.8	16.0	13.6	13.8	13.5	4.4	4	
Georgia	70.8	73.5	72.0	12.9	12.3	11.8	34.7	33.0	32.6	6.4	5.	
Florida	108.3	127.9	129.0	11.1	11.3	11.1	71.6	77.8	77.6	7.3	6.	
East South Central	[8] 166.8	172.4	176.7	[8] 11.5	11.4	11.8	[8] 87.5	86.3	87.9	[8] 6.0	5.	
Kentucky	[8] 92.7	46.9	47.1	[8] 8.9	12.8	12.8	[8] 16.7	18.8	19.3	[8] 4.6	5.	
Tennessee	59.2	54.9	58.9	12.9	11.5	12.3	30.2	30.2	29.2	6.6	6.	
Alabama	49.0	45.8	46.5	12.6	11.4	11.5	26.7	25.1	25.3	6.9	6.	
Mississippi	27.9	24.7	24.1	11.1	9.5	9.2	13.8	12.2	14.2	5.5	4.	
West South Central	298.2	319.8	306.5	12.6	12.1	11.4	[8] 155.0	(NA)	(NA)	[8] 8.5	([8]	
Arkansas	26.5	30.5	31.2	11.8	12.9	13.1	[8] 15.9	16.2	16.6	[8] 6.9	(	
Louisiana	43.5	39.7	36.7	11.1	8.9	8.1	[8] 18.1	(NA)	(NA)	[8] 4.0	([8]	
Oklahoma	46.5	35.9	33.8	15.4	10.9	10.2	24.2	26.4	24.7	8.0		
Texas	181.8	213.8	204.9	12.8	13.1	12.3	96.8	101.2	99.9	6.8		
Mountain	241.7	233.2	231.9	21.3	18.2	17.8	86.1	86.0	87.5	7.6		
Montana	8.3	7.2	6.8	10.6	8.7	8.3	4.9	4.3	4.3	6.3		
Idaho	13.4	12.5	10.5	14.2	12.5	10.5	6.8	6.2	6.0	7.0		
Wyoming	8.9	5.4	5.3	20.5	10.5	10.5	4.0	3.6	3.6	8.5		
Colorado	34.9	33.9	32.5	12.1	10.5	9.9	18.8	19.2	19.3	6.4		
New Mexico	16.8	[8] 14.8	[8] 14.1	12.8	[8] 10.1	[8] 9.6	10.4	9.0	8.9	8.0		
Arizona	30.2	[8] 35.8	[8] 36.0	11.1	[8] 11.2	[8] 10.9	19.9	21.4	23.4	7.3		
Utah	17.0	17.1	16.9	11.8	10.4	10.1	7.8	8.8	8.5	5.3		
Nevada	114.3	106.9	109.8	142.6	114.2	114.0	13.8	13.5	13.5	17.3		
Pacific	298.8	314.5	306.8	9.4	9.0	8.8	187.9	177.6	177.7	5.9		
Washington	47.7	44.5	43.8	11.8	10.1	9.8	28.6	25.8	26.1	6.9		
Oregon	23.0	22.4	21.8	8.7	8.3	8.0	17.8	15.8	15.5	6.7		
California [10]	210.9	226.1	219.0	8.9	8.8	8.1	133.5	127.4	127.6	5.6		
Alaska	5.4	6.2	5.9	13.3	11.9	11.1	3.5	4.0	3.8	8.8		
Hawaii	11.9	15.3	16.3	12.3	14.5	15.3	4.4	4.8	4.6	4.6		

NA Not available. [1] Data are counts of marriages performed, except as noted. [2] Based on total populati area; population enumerated as of April 1 for 1980, estimated as of July 1 for all other years. [3] Includes [4] Estimate for U.S. is based on monthly reports adjusted for observed differences from final monthly figures. Sta not adjusted in this manner. [5] Estimated. [6] For some counties, data are marriage licenses issued. [7] Inc petitions filed for some counties. [8] Data are incomplete. [9] Marriage licenses issued. [10] Marriage data censed marriages registered.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and *Monthly Reports*.

Digitized by Google



Section 3

Health and Nutrition

This section presents statistics on health expenditures and insurance coverage; medical personnel; hospitals; nursing homes and other care facilities; incidence of acute and prevalence of chronic conditions; nutritional intake of the population; and per capita food consumption. Summary statistics showing recent trends on health care and discussions of selected health issues are published annually by the U.S. National Center for Health Statistics (NCHS) in *Health, United States*. Data on national health expenditures, medical costs, and insurance coverage are compiled by the U.S. Health Care Financing Administration (HCFA), and appear in the quarterly *Health Care Financing Review, Health Care Financing Notes*, (no longer being produced) and in the *Annual Medicare Program Statistics* series. Statistics on health facilities are collected by NCHS and are published in series 14 of *Vital and Health Statistics*. Statistics on hospitals are published annually by the American Hospital Association, Chicago, IL, in *Hospital Statistics*. Primary sources for data on nutrition are the quarterly *National Food Review* and the annual *Food Consumption, Prices, and Expenditures*, both issued by the U.S.Department of Agriculture. In addition, NCHS conducts periodic surveys of nutrient levels in the population and clinical signs of malnutrition.

National health expenditures.—The HCFA compiles estimates of national health expenditures (NHE) to measure spending for health care in the U.S. The NHE accounts are structured to show spending by type of expenditure (i.e., hospital care, physician care, dental care, other professional care, drugs and medical sundries, medical durable equipment, nursing home care and other personal health expenditures, plus non-personal health expenditures for such items as public health, research, construction of medical facilities, and administration) and by source of funding (e.g., private health insurance, direct payments, and a range of public programs including Medicare, Medicaid and Veterans Administration (VA)).

In all cases except private insurance (HCFA conducts its own survey of part of the health insurance industry), data used to estimate health expenditures come from existing sources which are tabulated for other purposes. The type of expenditure estimates rely upon statistics produced by such groups as the American Hospital Association, the Internal Revenue Service, the Department of Commerce, and the Department of Health and Human Services (HHS). Source of funding estimates are constructed using administrative and statistical records from: the Medicare and Medicaid programs, the Department of Defense and VA medical programs, the Social Security Administration, Census Bureau's *Governmental Finances*, State and local governments, other HHS agencies, and other nongovernment sources. Detailed descriptions of sources and methods, along with the most recent analysis of health care expenditure estimates, are published in the *Health Care Financing Review's* annual article on national health expenditures.

Health resources.—Hospital statistics based on data from the American Hospital Association's yearly survey are published annually in *Hospital Statistics*, and cover all hospitals accepted for registration by the Association. To be accepted for registration, a hospital must meet certain requirements relating to number of beds, construction, equipment, medical and nursing staff, patient care, clinical records, surgical and obstetrical facilities, diagnostic and treatment facilities, laboratory services, etc. Data obtained from NCHS cover all U.S. hospitals which meet certain criteria for inclusion. The criteria are published in *Vital and Health Statistics* reports, series 14. In these reports, a hospital is defined as a facility with at least six inpatient beds that is licensed as a hospital by a State, or is operated as a hospital by a Federal or State agency.

Statistics on the demographic characteristics of persons employed in the health occupations are based on data compiled by the U.S. Bureau of Labor Statistics and reported in *Employment and Earnings* (monthly) (see table 627, section 13). Data based on sample surveys of health personnel and utilization of health facilities providing long-term care, ambulatory care, and hospital care are presented in NCHS series 13 and series 14, *Health Resources Utilization Data* and *Manpower and Facilities Data*. Statistics on patient visits to health care providers, as reported in health interviews, appear in NCHS series 10, *National Health Interview Survey Data*.

Digitized by Google

The HCFA's *Health Care Financing Review, Health Care Financing Program Statistics* and *Notes* series present data for hospitals and nursing homes as well as extended care facilities and home health agencies. These data are based on records of the Medicare program and differ from those of other sources because they are limited to facilities meeting Federal eligibility standards for participation in Medicare.

Data on patients in hospitals for the mentally ill and on mental health facilities are collected by the National Institute of Mental Health (NIMH) and appear in *Mental Health, U.S.*, the *Mental Health Statistics* reports, (series CN), and the Mental Health Statistical Note series.

Disability and illness.—General health statistics, including morbidity, disability, injuries, preventive care, and findings from physiological testing, are collected by NCHS in its National Health Interview Survey and its National Health and Nutrition Examination Surveys and appear in *Vital and Health Statistics*, series 10 and 11, respectively. The Department of Labor compiles statistics on industrial injuries (see Section 13). Annual incidence data on notifiable diseases are compiled by the Public Health Service (PHS) at its Centers for Disease Control in Atlanta, Georgia, and are published as a supplement to its *Morbidity and Mortality Weekly Report*. The list of diseases is revised annually and includes those which, by mutual agreement of the States and PHS, are communicable diseases of national importance.

Nutrition.—Statistics on annual per capita consumption of food and its nutrient value are estimated by the U.S. Department of Agriculture and published quarterly in *National Food Review*. Historical data can be found in *Food Consumption, Prices, and Expenditures*, issued annually.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to data from NCHS and HCFA, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

NO. 129. NATIONAL HEALTH EXPENDITURES: 1970 TO 1986

[Includes Puerto Rico and outlying areas]

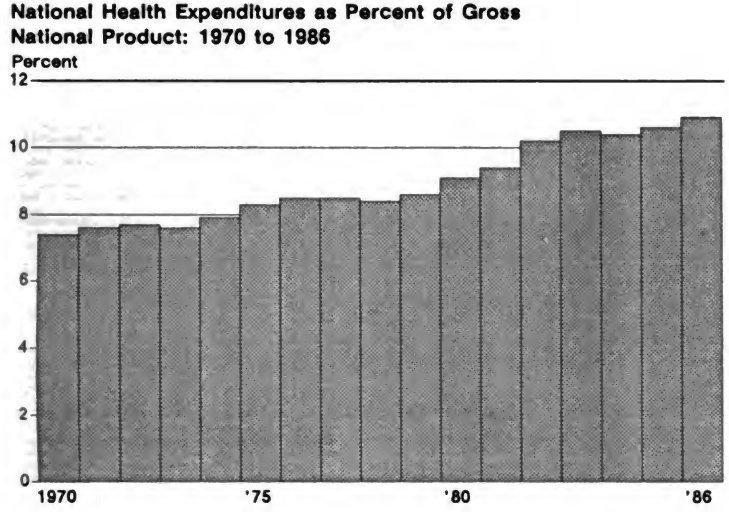
YEAR	TOTAL [1]			HEALTH SERVICES AND SUPPLIES						
				Private				Public		
					Direct patient payments		Insurance premiums [4]	Total [5]		Medicare
	Total (bil. dol.)	Per capita (dol.)	Percent of GNP [2]	Total [3] (bil. dol.)	Total (bil. dol.)	Percent of total private	(bil. dol.)	Total (bil. dol.)	Percent of total health exp.	(bil. dol.)
1970	75.0	349	7.4	44.7	26.5	59.3	16.9	24.9	33.2	7
1971	83.5	384	7.6	48.9	28.1	57.4	19.3	28.4	34.0	8
1972	94.0	428	7.7	55.3	30.6	55.4	22.2	32.1	34.1	9
1973	103.4	467	7.6	60.7	33.3	54.8	24.7	35.8	34.6	10
1974	116.1	521	7.9	65.8	36.2	55.0	27.9	42.9	36.9	13
1975	132.7	590	8.3	73.0	38.1	52.2	33.2	51.3	38.6	16
1976	150.8	665	8.5	84.5	42.0	49.8	40.4	57.3	38.0	1
1977	169.9	743	8.5	96.7	46.4	48.1	48.0	64.0	37.7	2
1978	189.7	822	8.4	106.6	50.7	47.6	53.6	73.3	38.7	2
1979	214.7	921	8.6	120.4	55.8	46.4	62.0	83.8	39.0	3
1980	246.1	1,054	9.1	138.7	63.0	45.5	72.6	97.5	39.3	
1981	287.0	1,207	9.4	160.6	72.6	45.2	84.4	113.2	39.4	
1982	323.6	1,348	10.2	182.2	79.6	43.7	98.7	127.1	39.3	
1983	357.2	1,473	10.5	202.6	88.7	43.7	109.7	138.9	38.9	
1984	391.1	1,597	10.4	224.7	98.4	43.8	121.5	150.8	38.6	
1985	422.6	1,710	10.6	240.7	105.3	43.7	130.1	166.5	39.4	
1986	458.2	1,837	10.9	262.5	116.1	44.2	140.7	179.5	39.2	

[1] Includes medical research and medical facilities construction. [2] GNP = Gross national product; see table [3] Includes other expenditures not shown separately. [4] See footnote 3, table 130. [5] Includes other program

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

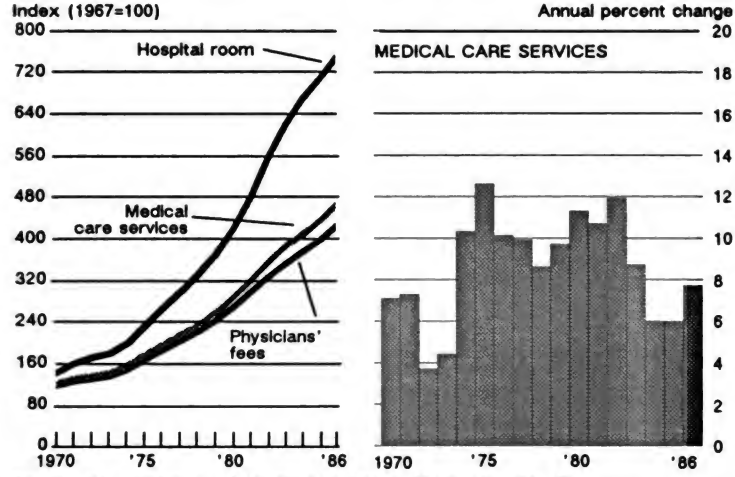
Digitized by Google

Figure 3.1
National Health Expenditures as Percent of Gross National Product: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 129.

Figure 3.2
Indexes of Medical Care Prices: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 138.

Digitized by Google

No. 130. National Health Expenditures, by Type: 1970 to 1986

[**In millions of dollars, except percent.** Includes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 248–261]

TYPE OF EXPENDITURE	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total	74,995	132,680	248,110	286,975	323,635	357,185	391,070	422,592	458,214
Average annual percent change [1]	[2] 12.3	12.1	13.3	15.7	12.8	10.4	9.5	8.1	8.4
Private expenditures	47,222	76,356	142,938	165,781	188,357	209,858	231,348	246,812	268,517
Health services and supplies	44,662	73,020	138,666	160,631	182,239	202,848	224,689	240,858	262,486
Direct patient payments	26,498	38,081	63,039	72,620	79,815	88,585	98,414	105,306	116,120
Insurance premiums [3]	16,871	33,178	72,595	84,419	98,679	109,684	121,464	130,139	140,726
Other	1,293	1,761	3,032	3,592	3,945	4,478	4,811	5,214	5,639
Medical research	215	264	305	318	333	354	363	377	38
Medical facilities construction	2,345	3,072	3,967	4,832	5,785	6,456	6,296	5,577	5,64
Public expenditures	27,773	56,324	105,172	121,193	135,278	147,527	[4] 159,722	[4] 175,980	[4] 189,8
Percent Federal of public	63.6	65.8	67.5	68.7	68.9	69.6	69.9	70.7	70
Health services and supplies	24,933	51,259	97,506	113,170	127,115	138,949	150,752	166,501	179,4
Medicare [5]	7,496	16,317	36,814	44,772	52,362	58,860	64,427	72,294	77,7
Public assistance medical payments [6]	6,321	15,098	28,127	32,255	34,879	37,677	38,286	42,191	45,7
Temporary disability insurance [7]	66	73	52	52	53	59			
Workers' compensation (medical) [1]	1,409	2,432	5,151	5,695	6,098	6,946			
Defense Dept. hospital, medical	1,782	2,830	4,207	4,917	5,709	6,535			
Maternal, child health programs	429	589	892	907	965	1,089	(NA)	(NA)	(
Public health activities	1,431	3,165	7,294	8,483	9,331	9,946			
Veterans' hospital, medical care	1,764	3,495	5,939	6,512	7,144	7,677			
Medical vocational rehabilitation	149	177	216	206	200	233			
State and local hospitals [8]	3,320	5,230	5,803	6,253	7,219	6,878			
Other [9]	767	1,851	3,012	3,119	3,155	3,050			
Medical research	1,754	3,071	5,134	5,295	5,539	5,800	6,410	6,996	7
Medical facilities construction	1,086	1,995	2,532	2,728	2,624	2,778	2,559	2,484	2

NA Not available. [1] Change from prior year shown, except as noted. For explanation of average annual percent ch see Guide to Tabular Presentation. [2] Change from 1965. [3] Covers insurance benefits and amount retained by insu companies for expenses, additions to reserves, and profits (net cost of insurance). [4] Includes expenditures not availab type. [5] Represents expenditures for benefits and administrative cost from Federal hospital and medical insurance trust under old-age, survivors, disability, and health insurance programs; see text, section 12. [6] Payments made directly to su of medical care. (Primarily Medicaid.) [7] Includes medical benefits paid under public law by private insurance carriers an insurers. [8] Expenditures not offset by other revenues. [9] Covers expenditures for Alcohol, Drug Abuse, and Mental Administration; Indian Health Service; school health and other programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

No. 131. National Health Expenditures, by Object: 1970 to 1986

[See headnote, table 130. See also *Historical Statistics, Colonial Times to 1970*, series B 221–235]

OBJECT OF EXPENDITURE	EXPENDITURE (bil. dol.)									PERCE	
	1970	1975	1980	1981	1982	1983	1984	1985	1986	1970	198
Total	75.0	132.7	248.1	287.0	323.6	357.2	391.1	422.6	458.2	100.0	100.
Spent by—											
Consumers	43.4	71.3	135.6	157.0	178.3	198.4	219.9	235.4	256.9	57.8	54
Government	27.8	56.3	105.2	121.2	135.3	147.5	159.7	176.0	189.7	37.0	42
Philanthropy and industry	3.9	5.1	7.3	8.7	10.1	11.3	11.5	11.2	11.7	5.1	2
Spent for—											
Health services and supplies	69.8	124.3	236.2	273.8	309.4	341.8	375.4	407.2	442.0	92.8	95
Personal health care expenses	65.4	117.1	219.7	254.7	286.5	314.7	341.9	371.3	404.0	87.1	88
Hospital care	26.0	52.4	101.6	119.1	135.2	146.8	156.3	167.2	179.6	37.3	4
Physicians' services	14.3	24.9	46.8	54.8	61.8	64.8	75.4	82.8	92.0	19.1	1
Dentists' services	4.7	8.2	15.4	17.3	19.5	21.7	24.6	27.1	29.6	6.3	
Other professional services [1]	1.6	2.6	5.7	6.8	8.0	9.3	10.9	12.4	14.1	2.1	
Drugs and sundries	8.0	11.9	18.8	20.7	22.1	24.5	26.5	28.7	30.6	10.7	
Eyeglasses and appliances [2]	1.9	3.2	5.1	5.3	5.8	6.2	7.0	7.5	8.2	2.6	
Nursing home care	4.7	10.1	20.4	23.9	26.7	29.4	31.7	35.0	38.1	6.3	
Other health services	2.1	3.8	5.9	6.8	7.4	8.3	9.4	10.8	11.9	2.8	
Net cost of insurance and administration [3]	2.8	4.0	9.2	10.6	13.5	17.1	22.6	23.6	24.5	3.8	
Government public health activities	1.4	3.2	7.3	8.5	9.3	9.9	11.0	12.3	13.4	1.9	
Medical research	2.0	3.3	5.4	5.6	5.9	6.2	6.8	7.4	8.2	2.6	
Medical facilities construction	3.4	5.1	6.5	7.6	8.4	9.2	8.9	8.1	8.0	4.6	

[1] Includes services of registered and practical nurses in private duty, visiting nurses, podiatrists, physical therap psychologists, chiropractors, naturopaths, and Christian Science practitioners. [2] Includes fees of optometrists and for hearing aids, orthopedic appliances, artifical limbs, crutches, wheelchairs, etc. [3] Includes administrative expense financed health programs.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

Digitized by Google

No. 132. Health Services and Supplies—Per Capita National and Private Consumer Expenditures, by Object: 1970 to 1986

[**In dollars, except percent.** Based on Social Security Administration estimates of total U.S. population as of July 1, including Armed Forces and Federal employees abroad and civilian population of outlying areas. Excludes research and construction. See also *Historical Statistics, Colonial Times to 1970*, series B 222-232]

OBJECT OF EXPENDITURE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total, national	**324**	**553**	**876**	**1,004**	**1,152**	**1,288**	**1,410**	**1,533**	**1,647**	**1,772**
Average annual percent change [1]	11.4	11.3	12.2	14.5	14.7	11.9	9.4	8.7	7.4	7.6
Hospital care	130	233	373	432	501	563	605	638	678	720
Physicians' services	87	111	173	199	230	257	282	308	335	369
Dentists' services	22	37	57	66	73	81	90	101	110	119
Other professional services [2]	7	12	20	24	29	33	38	45	50	56
Drugs and drug sundries	37	53	74	80	87	92	101	108	116	122
Eyeglasses and appliances [2]	9	14	20	22	22	24	26	28	30	33
Nursing home care	22	45	75	87	100	111	121	130	141	153
Other health services	10	17	22	25	26	31	34	39	44	48
Net cost of insurance and administration [3]	13	16	37	39	45	56	71	92	98	98
Government public health activities	7	14	25	31	36	39	41	45	50	54
Total, private consumer [3]	**202**	**317**	**506**	**576**	**660**	**742**	**818**	**898**	**953**	**1,030**
Hospital care	60	102	169	196	232	260	281	292	303	326
Physicians' services	53	82	126	145	167	187	202	221	237	260
Dentists' services	21	35	55	63	70	79	87	98	107	118
Other professional services [2]	6	9	15	18	21	24	27	31	35	40
Drugs and drug sundries	35	49	67	73	79	84	92	99	105	110
Eyeglasses and appliances [2]	9	13	18	19	20	21	21	23	24	26
Nursing home care	11	19	32	39	46	52	59	65	72	79
Net cost of insurance	7	9	22	22	25	36	48	68	69	71

[1] Change from prior year shown; for 1970 from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] See footnotes for corresponding objects in table 131. [3] Represents direct patient payments and private health insurance.

No. 133. Personal Health Care—Third Party Payments and Private Consumer Expenditures: 1970 to 1986

[**In billions of dollars, except percent.** See headnote, table 134]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Personal health care expenditures	65.4	117.1	169.7	219.7	254.7	286.5	314.7	341.9	371.3	404.0
Third party payments, total	**38.9**	**79.0**	**133.8**	**156.7**	**182.1**	**206.9**	**226.0**	**243.5**	**268.0**	**287.9**
Percent of total health care	59.5	67.5	70.6	71.3	71.5	72.2	71.8	71.2	71.6	71.3
Private insurance payments	15.3	31.2	56.9	67.5	78.4	89.9	98.0	104.9	113.0	122.9
Government expenditures	22.4	46.3	74.6	86.5	100.5	113.5	124.1	134.3	148.3	160.0
Philanthropy and industry	1.1	1.8	2.3	2.7	3.2	3.5	4.0	4.3	4.6	5.0
Private consumer expenditures [1]	**41.8**	**69.3**	**112.7**	**130.5**	**151.0**	**169.5**	**186.7**	**203.3**	**218.3**	**239.0**
Percent met by private insurance	36.6	45.1	50.5	51.7	51.9	53.0	52.5	51.6	51.8	51.4
Hospital care	12.9	23.0	39.5	46.6	55.2	62.4	68.2	71.6	74.9	81.7
Percent met by private insurance	75.2	81.9	83.6	83.1	81.7	82.2	80.6	76.6	80.7	79.4
Physicians' services	11.3	18.4	29.5	34.2	39.7	44.6	48.9	54.1	58.5	64.6
Percent met by private insurance	42.5	53.7	57.9	58.4	57.4	59.4	60.5	61.4	60.6	59.6

[1] Includes expenditures not shown separately. Represents direct patient payments and private health insurance. Excludes net cost of insurance.

No. 134. Personal Health Care Expenditures, by Object and Source of Payment: 1986

[**In millions of dollars, except as indicated.** Includes Puerto Rico and outlying areas. Covers all expenditures for health services and supplies, except net cost of insurance and administration, government public health activities, and expenditures of philanthropic agencies for fund raising activities]

SOURCE	TOTAL EXPENDITURES		Hospital care	Physicians' services	Dentists' services	Other professional services	Drugs and drug sundries	Eyeglasses and appliances	Nursing home care	Other health services
	Total	Per capita [1] (dol.)								
Total	**404,045**	**1,620**	**179,579**	**91,951**	**29,647**	**14,091**	**30,551**	**8,181**	**38,146**	**11,899**
Direct patient payments	116,126	466	16,816	26,169	19,084	6,249	22,868	5,496	19,446	-
Third party payments	287,917	1,154	162,761	65,782	10,563	7,842	7,683	2,685	16,701	11,899
Private health insurance	122,913	493	64,903	38,670	9,915	3,670	4,477	966	312	-
Government	159,985	641	95,693	27,061	648	4,047	3,207	1,719	18,114	9,497
Philanthropy	5,020	20	2,166	51	-	124	-	-	275	2,402
Private [2]	**244,061**	**978**	**83,886**	**64,890**	**28,999**	**10,044**	**27,344**	**6,462**	**20,033**	**2,402**

- Represents zero. [1] For basis of per capita figures, see headnote, table 132. [2] Covers direct patient payments, private health insurance, and philanthropy and industry.

Source of tables 132-134: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

Digitized by Google

No. 135. Government Expenditures for Health Services and Supplies: 1980 and 1986

[In millions of dollars, except percent. Includes Puerto Rico and outlying areas. Excludes medical research and construction]

Year and object of expenditure	Total [1]		Federal		State and local	Medicare [2] (OASDHI)	Public assistance [3]	Other health services		
	Amount	Percent distribution	Total	Percent of total				Veterans	Defense Dept. [4]	Workers' compensation [5]
1980, total [1]	**97,506**	**100.0**	**65,762**	**67.4**	**31,744**	**36,814**	**28,127**	**5,939**	**4,207**	**5,151**
Hospital care	53,927	55.3	41,085	76.2	12,842	25,916	10,211	4,922	3,426	1,993
Physicians' services	12,614	12.9	9,644	76.5	2,970	7,906	2,597	59	121	1,656
Nursing home care	11,189	11.5	6,039	54.0	5,150	396	10,431	362	-	-
Drugs and sundries	1,614	1.7	804	49.8	810	-	1,489	13	14	78
Administration	3,754	3.9	2,024	53.9	1,730	1,118	1,266	49	32	1,225
Public health activities	7,294	7.5	1,266	17.4	6,028	-	-	-	-	-
1986, total [1]	**179,473**	**100.0**	**126,622**	**70.6**	**52,851**	**77,721**	**45,782**			
Hospital care	95,693	50.4	76,507	80.0	19,186	51,702	15,822			
Physicians' services	27,061	14.3	22,050	81.5	5,012	18,968	3,948		(NA)	
Nursing home care	18,114	9.5	10,140	56.0	7,973	813	15,803			
Drugs and sundries	3,207	1.7	1,712	53.4	1,495	-	2,858			
Administration	6,108	3.2	3,377	55.3	2,731	1,724	2,231			
Public health activities	13,380	7.1	1,399	10.5	11,981	-	-			

- Represents zero. NA Not available. [1] Includes other items not shown separately. [2] Covers hospital and medical insurance payments and administrative costs under old-age, survivors, disability and health insurance program. [3] Covers Medicaid and other medical public assistance. Includes funds paid into Medicare trust fund by States to cover premiums for public assistance recipients and medically indigent persons. [4] Includes care for retirees and military dependents. [5] Medical benefits.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987.

No. 136. Federal Outlays for Health, by Type of Program: 1970 to 1987

[For fiscal year ending in year shown; see text, section 9]

Type of program	Total outlays (mil. dol.)							Outlays per capita [1]		
	1970	1980	1983	1984	1985	1986	1987, est.	1970	1980	1987, est.
Total outlays [2]	**13,913**	**61,754**	**89,485**	**96,819**	**108,911**	**115,973**	**121,536**	**$68**	**$273**	**$500**
Medicare [3]	6,213	32,090	52,588	57,540	65,822	70,164	71,614	31	142	294
Health care services [4]	3,993	18,003	23,008	24,522	26,984	28,850	32,040	20	79	132
Medicaid	2,727	14,028	18,985	20,061	22,655	24,995	26,700	13	62	110
Federal employee health benefits	17	608	1,019	1,342	1,221	638	1,871	(z)	3	8
Hospital and medical care for veterans	1,800	6,515	8,272	8,861	9,547	9,872	10,257	9	29	42
Health research	1,054	3,442	3,973	4,379	4,908	5,393	5,925	5	15	24
National Institutes of Health	917	3,029	3,555	3,963	4,437	4,859	5,244	5	13	22
Other	137	413	418	416	471	534	682	1	2	3
Consumer safety	177	674	720	762	812	799	854	1	3	4
Education and training of health care work force	633	719	578	388	468	529	455	3	3	2
Research training	(NA)	(NA)	194	195	233	256	269	(NA)	(NA)	1
Clinical training	(NA)	(NA)	325	166	189	232	156	(NA)	(NA)	1
Other	(NA)	(NA)	59	28	46	41	30	(NA)	(NA)	(z)
Occupational safety and health	49	328	346	367	370	366	391	(z)	1	2

NA Not available. Z Less than 50 cents. [1] Based on Bureau of the Census estimated resident population as of July 1. [2] Includes deductions for offsetting receipts (−$6 million in 1970 and −$17 million in 1980). [3] Adjusted for premiums and collections. [4] Includes other programs, not shown separately.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 137. Benefit Expenditures of Private Health Insurance Organizations: 1970 to 1985

[In millions of dollars. For financial data on private health insurance organizations, see table 821]

Type of plan	1970	1975	1980	1981	1982	1983	1984	1985			
								Total	Hospital care	Physicians' services	Dental care and other
Total	**15,320**	**31,223**	**67,504**	**78,400**	**89,929**	**97,990**	**104,863**	**113,000**	**60,463**	**35,470**	**17,067**
Blue Cross-Blue Shield	7,060	14,192	25,467	29,209	32,144	34,398	35,522	37,540	24,174	9,938	3,428
Insurance companies	7,104	12,826	25,774	30,271	36,424	40,109	41,298	43,112	22,310	14,340	6,462
Independent plans	1,156	4,206	16,264	18,920	21,360	23,483	28,043	32,348	13,979	11,192	7,177

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, Summer 1987, and unpublished data.

Digitized by Google

No. 138. Indexes of Medical Care Prices: 1970 to 1986

[1967 = 100. Indexes are components of consumer price index; for explanation, see text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series B 262–272]

Year	Index, total	Medical care services				Medical care commodities [2]	Annual percent change					
		Total [1]	Professional services				Total	Medical care services				Medical care commodities [2]
			Total [1]	Physicians	Dental	Hospital room		Total [1]	Physicians	Dental	Hospital room	
1970	120.6	124.2	119.7	121.4	119.4	145.4	103.6	[3] 6.3	[3] 7.1	[3] 7.5	[3] 5.8	[3] 12.9	[3] 2.3
1971	128.4	133.3	127.5	129.8	127.0	163.1	105.4	6.5	7.3	6.9	6.4	12.2	1.7
1972	132.5	136.2	132.1	133.8	132.3	173.9	105.6	3.2	3.7	3.1	4.2	6.6	.2
1973	137.7	144.3	136.4	138.2	136.4	182.1	105.9	3.9	4.4	3.3	3.1	4.7	.3
1974	150.5	159.1	148.2	150.9	146.8	201.5	109.6	9.3	10.3	9.2	7.6	10.7	3.5
1975	166.6	179.1	164.5	169.4	161.9	236.1	118.8	12.0	12.6	12.3	10.3	17.2	8.4
1976	184.7	197.1	179.4	188.5	172.2	268.6	126.0	9.5	10.1	11.3	8.4	13.8	6.1
1977	202.4	216.7	194.1	206.0	185.1	299.5	134.1	9.8	9.9	9.3	7.5	11.5	6.4
1978	219.4	235.4	208.8	223.1	198.1	332.4	143.5	8.4	8.6	8.3	7.0	11.0	7.0
1979	239.7	258.3	226.8	243.6	214.6	370.3	153.8	9.3	9.7	9.2	8.4	11.4	7.2
1980	265.9	287.4	252.0	269.3	240.2	418.9	168.1	10.9	11.3	10.6	11.8	13.1	9.3
1981	294.5	318.2	277.9	299.0	263.3	481.1	186.5	10.8	10.7	11.0	9.6	14.8	10.9
1982	328.7	356.0	301.5	327.1	283.8	556.7	205.7	11.6	11.9	9.4	7.7	15.7	10.3
1983	357.3	387.0	323.0	352.3	302.7	619.7	223.3	8.7	8.7	7.7	6.7	11.3	8.6
1984	379.5	410.3	346.1	376.8	327.3	670.9	239.7	6.2	6.0	7.0	8.1	8.3	7.3
1985	403.1	435.1	367.3	398.8	347.9	710.5	256.7	6.2	6.0	5.8	8.3	5.9	7.1
1986	433.5	468.6	390.9	427.7	367.3	753.1	273.6	7.5	7.7	7.2	5.6	6.0	6.6

[1] Includes other services, not shown separately. [2] Prior to 1978, covers drugs and prescriptions only.
[3] Change from 1969.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

No. 139. Average Annual Expenditures of Consumer Units for Health Care: 1980 to 1985

[See text, section 14, and headnote, table 688. For average weekly expenditures for nonprescription drugs, see table 689]

Item	Health care, total					Percent distribution				
	Amount	Percent of total expenditures	Health insurance	Medical services	Prescription drugs, medical supplies	Health care, total	Health insurance	Medical services	Prescription drugs, medical supplies
URBAN CONSUMER UNITS									
1980	$730	4.4	$216	$401	$113	100.0	29.6	54.9	15.5
1981	762	4.3	222	413	127	100.0	29.1	54.2	16.7
1982	804	4.4	233	438	134	100.0	29.0	54.5	16.7
1983	839	4.3	234	457	148	100.0	27.9	54.5	17.6
1984	899	4.1	281	466	153	100.0	31.3	51.8	17.0
ALL CONSUMER UNITS									
1984	981	4.7	370	454	157	100.0	37.7	46.3	16.0
1985	**1,037**	**4.7**	**375**	**496**	**166**	**100.0**	**36.2**	**47.8**	**16.0**
Age of reference person:									
Under 25 years old	396	3.1	111	243	42	100.0	28.0	61.4	10.6
25–34 years old	711	3.2	235	387	88	100.0	33.1	54.4	12.4
35–44 years old	910	3.2	296	478	136	100.0	32.5	52.5	14.9
45–54 years old	1,177	4.0	406	591	179	100.0	34.5	50.2	15.2
55–64 years old	1,289	5.5	451	627	211	100.0	35.0	48.6	16.4
65–74 years old	1,539	9.1	673	576	289	100.0	43.7	37.4	18.8
75 years old and over	1,509	12.2	607	600	302	100.0	40.2	39.8	20.0
Region of residence:									
Northeast	875	4.1	317	424	134	100.0	36.2	48.5	15.3
Midwest	1,064	5.0	389	508	167	100.0	36.6	47.7	15.7
South	1,153	5.3	423	529	201	100.0	36.7	45.9	17.4
West	983	4.0	340	504	140	100.0	34.6	51.3	14.2
Size of consumer unit:									
One person	636	4.6	229	301	106	100.0	36.0	47.3	16.7
Two persons	1,268	5.7	490	558	218	100.0	38.6	44.1	17.2
Three persons	1,085	4.1	408	505	172	100.0	37.6	46.5	15.9
Four persons	1,219	4.1	382	675	163	100.0	31.3	55.4	13.4
Five persons	1,134	3.9	396	575	164	100.0	34.9	50.7	14.5
Six persons or more	1,025	4.0	325	529	172	100.0	31.7	51.6	16.8
Income before taxes:									
Complete income reporters [1]	1,049	4.7	381	497	171	100.0	36.3	47.4	16.3
Quintiles of income:									
Lowest 20 percent	737	8.7	257	352	128	100.0	34.9	47.8	17.4
Second 20 percent	1,020	7.2	428	414	178	100.0	42.0	40.6	17.5
Third 20 percent	960	5.1	410	399	171	100.0	41.8	40.7	17.4
Fourth 20 percent	1,081	4.2	379	530	172	100.0	35.1	49.0	15.9
Highest 20 percent	1,425	3.4	430	788	206	100.0	30.2	55.3	14.5
Incomplete reporters of income	939	4.6	329	485	124	100.0	35.0	51.7	13.2

[1] A complete reporter is a consumer unit who provided values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Interview Survey*, annual.

Digitized by Google

NO. 140. HEALTH INSURANCE COVERAGE STATUS, BY SELECTED CHARACTERISTICS: 1985

[Data represents monthly averages for **fourth quarter 1985.** Government health insurance includes Medicare, Medicaid, and military plans. Based on Survey of Income and Program Participation; see text, p. 405. For composition of regions see fig. I, inside front cover]

CHARACTERISTIC	NUMBER (mil.)						PERCENT					
	Total	Covered by private or Government health insurance			Covered by Medicaid	Not covered by health insurance	Total	Covered by private or Government health insurance			Covered by Medicaid	Not covered by health insurance
		Total [1]	Covered by private insurance					Total [1]	Private			
			Total	Related to employment [2]								
Total persons [3]	**235.5**	**204.2**	**180.1**	**147.1**	**17.2**	**31.3**	**100.0**	**86.7**	**76.5**	**7.3**	**13.3**	
Male	114.2	97.5	87.5	73.2	6.4	16.7	100.0	85.4	76.6	5.6	14.6	
Female	121.4	106.6	92.6	73.8	10.6	14.6	100.0	88.0	76.3	8.9	12.0	
White	200.1	175.2	159.3	129.9	10.1	24.6	100.0	87.6	79.6	5.0	12.4	
Black	28.5	23.0	15.9	13.2	6.2	5.5	100.0	80.7	55.7	21.8	19.3	
Hispanic origin [4]	14.2	10.4	7.8	7.0	2.3	3.8	100.0	73.0	55.2	15.9	27.0	
Under 18 years	55.6	47.0	39.3	34.6	7.2	8.6	100.0	84.5	70.8	13.0	15.5	
18–24 years	34.6	27.2	24.4	19.0	2.6	7.4	100.0	78.6	70.7	7.5	21.4	
25–34 years	41.4	34.8	32.1	29.1	2.2	6.8	100.0	83.8	77.5	5.4	16.4	
35–44 years	32.1	28.6	26.8	24.4	1.3	3.5	100.0	89.1	83.4	4.1	10.9	
45–54 years	22.5	20.2	18.9	18.6	.9	2.3	100.0	89.9	84.2	3.9	10.1	
55–64 years	22.1	19.8	18.0	14.6	.8	2.6	100.0	88.5	81.3	3.7	11.5	
65 years and over	27.2	27.1	20.5	8.7	2.1	.2	100.0	99.4	75.3	7.7	.6	
Northeast	50.7	46.1	41.3	34.3	3.8	4.6	100.0	90.9	81.4	7.5	9.1	
Midwest	60.8	54.2	48.5	39.1	4.7	6.6	100.0	89.2	79.8	7.7	10.8	
South	79.8	66.9	58.5	47.7	5.0	12.9	100.0	83.8	73.3	6.3	16.2	
West	44.2	37.0	31.8	25.9	3.7	7.2	100.0	83.7	71.9	8.3	16.3	

[1] Includes other Government insurance, not shown separately. [2] Related to current or prior employment of self or other family members. [3] Includes other races, not shown separately. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 8 and unpublished data.

NO. 141. PRIVATE HEALTH INSURANCE—PERSONS COVERED FOR SPECIFIED BENEFITS: 1960 TO 1985

[**In millions, except percent.** As of **December 31.** Beginning 1975, includes Puerto Rico and outlying areas. For persons covered under Federal Government programs, see tables 140, 575, and 579. See also *Historical Statistics, Colonial Times to 1970*, series B 401–412, for persons covered]

BENEFIT AND TYPE OF PLAN	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985
Hospital expense:											
Persons covered, net [1]	122.5	136.7	158.8	178.2	186.8	189.0	188.3	191.1	189.9	184.4	181.3
Percent of population covered [2]	68.8	72.4	78.7	82.1	82.5	82.5	81.3	81.7	80.4	77.4	75.4
Blue Cross-Blue Shield plans	58.1	63.3	75.1	86.4	86.1	86.7	[3] 85.8	[3] 82.0	[3] 79.6	[3] 79.4	[3] 78.7
Insurance companies, net [1] [4]	69.2	77.6	89.7	99.5	105.3	107.3	106.4	112.7	109.6	103.1	100.4
Group policies [4]	54.4	65.4	80.5	87.2	95.2	99.1	105.4	107.0	108.3	102.9	99.5
Individual and family policies	22.2	24.4	26.7	30.1	34.6	34.1	25.6	29.9	22.7	20.4	21.2
Other plans [5]	6.0	7.0	8.1	13.1	[3] 25.5	[3] 33.2	[3] 40.3	[3] 48.2	[3] 53.6	[3] 54.1	[3] 55.1
Surgical expense:											
Persons covered, net [1]	111.5	130.5	151.4	169.0	177.1	178.2	176.9	180.3	179.1	(NA)	(NA)
Percent of population covered [2]	62.6	68.1	75.0	77.9	78.2	77.8	76.4	77.1	75.8	(NA)	(NA)
Blue Cross-Blue Shield plans	50.3	53.9	66.0	77.8	74.5	73.6	[3] 71.8	[3] 68.6	[3] 66.1	(NA)	(NA)
Insurance companies, net [1] [4]	65.1	75.2	85.7	92.1	99.6	101.0	102.0	105.6	102.3	(NA)	(NA)
Group policies [4]	55.5	65.5	81.5	88.0	97.6	100.6	105.5	108.0	104.9	(NA)	(NA)
Individual and family policies	16.0	17.7	18.0	18.5	17.9	17.6	12.4	14.5	13.6	(NA)	(NA)
Other plans [5]	7.3	8.7	10.5	15.8	[3] 29.1	[3] 36.9	[3] 44.8	[3] 52.7	[3] 61.8	(NA)	(NA)
Major medical expense: [6]											
Persons covered, net [1]	32.6	69.7	103.5	134.1	148.8	153.6	153.7	160.1	159.6	167.7	162.8
Blue Cross-Blue Shield plans	3.7	14.6	24.9	42.1	43.3	45.0	46.5	[3] 47.0	[3] 44.6	[3] 44.5	[3] 44.1
Insurance companies, net [1] [4]	25.4	53.0	77.1	92.2	103.3	105.4	104.9	108.7	108.9	115.4	110.2
Group policies [4]	26.5	55.4	82.0	96.7	109.5	113.0	113.2	116.2	117.6	125.5	119.6
Individual and family policies	1.6	4.5	5.4	7.3	7.2	7.3	6.5	8.0	6.5	5.6	5.9
Other plans [5]	(NA)	(NA)	(NA)	(NA)	[3] 21.1	[3] 27.7	[3] 33.7	[3] 42.6	[3] 42.8	[3] 47.0	[3] 47.9
Physician's expense:											
Persons covered, net [1]	83.2	109.6	138.7	168.3	167.2	169.5	164.1	171.6	173.1	(NA)	(NA)
Percent of population covered [2]	46.7	57.2	68.7	77.6	73.8	74.0	70.8	73.4	73.3	(NA)	(NA)
Dental expense:											
Persons covered, net [1]	(NA)	(NA)	12.0	30.3	62.2	80.5	84.8	95.3	103.7	102.2	99.8
Percent of population covered [2]	(NA)	(NA)	5.9	14.0	27.5	35.1	36.6	40.8	43.9	42.9	41.5

NA Not available. [1] Duplication among persons protected by more than one kind of insuring organization or more than one insurance company policy providing the same type of coverage has been eliminated. [2] Based on Bureau of the Census estimated civilian population as of July 1. [3] Estimated. [4] Includes persons covered under administrative service only and minimum premium plans. [5] Includes self-insured plans, self-administered plans, plans employing third party administrators, and Health Maintenance Organizations. [6] Coverage provides protection against especially heavy medical bills resulting from "catastrophic" or prolonged illness and is used to supplement basic medical care insurance or as a comprehensive integrated program providing both basic and major medical protection, including charges for private duty nursing, drugs, and medical appliances. Beginning 1983, covers only persons under age 65.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

Digitized by Google

No. 142. Health Maintenance Organizations (HMO)—Number and Enrollment, by Type and Size of Organization: 1976 to 1986

[As of **June 30**, except as noted. Under the Health Maintenance Organization Act, an HMO must have four characteristics: (1) an organized system for providing health care in a geographic area, for which the HMO is responsible for providing or otherwise assuring its delivery; (2) an agreed upon set of basic and supplemental health maintenance and treatment services; (3) a voluntarily enrolled group of people; and (4) community rating. A **group HMO** contracts with one or more medical groups to provide services to members and generally provides all services except hospital care under one roof. Data for group model HMOs include staff model HMOs (a model in which the HMO hires its own physicians) and network HMOs (an HMO that provides comprehensive health services to members in two or more distinct geographic areas. **Individual practice association (IPA) HMO** contracts with a physician organization that in turn contracts with individual physicians. IPA physicians provide care to HMO members from their private offices and continue to see their fee-for-service patients]

TYPE OF PRACTICE AND SIZE	1976	1977	1978	1979	1980	1981	1982	1983	1984 (Dec.)	1985	1986
NUMBER OF PLANS											
Total	175	165	203	215	236	243	265	280	337	393	595
Group	134	125	133	136	139	153	168	181	195	212	250
I.P.A.	41	40	70	79	97	90	97	99	142	181	345
Less than 15,000 members	126	108	127	135	144	131	122	137	143	171	315
15,000–24,999 members	15	18	37	34	36	41	46	42	45	56	63
25,000–49,999 members	12	13	16	25	28	39	46	61	78	79	107
50,000–99,999 members	7	4	5	7	15	15	13	19	40	51	67
100,000 members or more	10	11	12	14	13	17	18	21	31	36	47
ENROLLMENT (1,000)											
Total	6,016	6,331	7,471	8,226	9,100	10,266	10,831	12,491	16,743	18,894	23,664
Group	5,627	5,917	6,420	6,942	7,406	8,681	9,361	10,602	13,075	14,247	15,210
I.P.A.	390	413	1,051	1,284	1,694	1,582	1,471	1,889	3,667	4,646	8,454
Less than 15,000 members	620	590	703	733	870	836	839	874	975	1,020	1,514
15,000–24,999 members	297	365	725	683	732	799	919	842	867	1,101	1,220
25,000–49,999 members	365	415	548	827	907	1,305	1,561	2,062	2,699	2,813	3,791
50,000–99,999 members	525	308	399	430	976	1,038	852	1,257	2,577	3,315	4,828
100,000 members or more	4,210	4,495	5,095	5,553	5,615	6,289	6,660	7,455	9,625	10,646	12,311

Source: Group Health Association of America, Inc., Washington, DC, releases, and Interstudy, Excelsior, MN, *National HMO Census* (copyright).

No. 143. Physicians, Dentists, and Nurses: 1960 to 1985

[Physicians, dentists, and nurses as of **end of year.** Data for physicians include Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series B 275–290]

ITEM	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
Physicians, number [1]	1,000	275	348	409	472	487	505	523	542	(NA)	577
Rate per 100,000 population [2]	Rate	151	168	187	207	211	217	222	228	(NA)	237
Doctors of medicine [3]	1,000	260	334	394	455	468	485	502	520	(NA)	553
Active non-Federal [4]	1,000	230	281	312	375	397	411	430	447	(NA)	476
Rate per 100,000 population [4] [5]	Rate	126	137	143	165	172	177	184	190	(NA)	201
Active foreign medical school graduates [4] [6]	1,000	(NA)	54	(NA)	80	82	90	96	100	(NA)	105
Doctors of osteopathy	1,000	14	14	15	18	19	20	21	22	23	24
Medical and osteopathic schools [7]	Number	91	107	123	138	140	142	142	142	142	142
Students [7]	1,000	32.0	39.7	57.2	66.5	70.1	71.6	72.8	73.5	73.6	(NA)
Graduates [7]	1,000	7.5	8.8	13.4	16.0	16.2	16.8	17.0	17.1	17.6	17.8
Newly licensed physicians, total [4] [8]	1,000	8.0	11.0	16.9	19.9	18.2	18.8	17.6	20.6	18.3	(NA)
Percent of total active M.D.'s	Percent	(NA)	3.5	4.6	4.8	4.2	4.2	4.1	4.3	(NA)	(NA)
Graduates of—											
U.S. and Canadian medical schools	1,000	6.6	8.0	10.9	16.3	14.9	15.7	13.4	15.8	14.2	(NA)
Foreign medical schools	1,000	1.4	3.0	6.0	3.8	3.3	3.1	4.2	4.8	4.1	(NA)
Percent of total newly licensed	Percent	17.7	27.3	35.4	17.9	18.2	16.8	23.8	23.1	22.3	(NA)
Dentists, number	1,000	105	116	127	138	141	144	147	150	153	156
Active (exc. in Federal service)	1,000	85	96	107	118	121	124	127	130	133	136
Rate per 100,000 population [5]	Rate	47	47	50	53	54	54	55	56	57	57
Dental schools [9]	Number	47	53	59	60	60	60	60	60	60	60
Students [9]	1,000	13.6	16.0	20.1	22.2	22.5	22.6	22.2	21.4	20.6	19.6
Graduates [9]	1,000	3.3	3.7	5.0	5.4	5.3	5.6	5.4	5.8	5.3	5.4
Nurses, number (active registered)	1,000	527	750	981	1,200	1,273	1,327	1,380	1,439	1,486	1,531
Rate per 100,000 population [5]	Rate	293	368	446	534	560	578	595	615	629	641
Nursing programs [10]	Number	1,126	1,340	1,362	1,374	1,385	1,401	1,432	1,466	1,477	1,473
Students [10]	1,000	118	163	248	235	231	235	242	251	237	218
Graduates [10]	1,000	30	48	77	77	76	74	74	77	80	82

NA Not available. [1] Includes not classified, inactive, and Federal physicians. [2] Based on Bureau of the Census resident population estimates as of July 1. [3] Excludes non-Federal physicians with temporary foreign addresses; see headnote, table 144. [4] Excludes nonclassified physicians. [5] Based on Bureau of the Census civilian population estimates as of July 1. [6] Foreign medical graduates exclude graduates of Canadian schools. [7] Based on data from annual surveys conducted by the Association of American Medical Colleges and the American Association of Colleges of Osteopathic Medicine. [8] Source: American Medical Association, Chicago, IL, *U.S. Medical Licensure Statistics, 1984 and License Requirements, 1985*, and *Physician Characteristics and Distribution in the U.S.*, annual. (Copyright.) [9] Based on data from the American Dental Association, Council on Dental Education, *Annual Report on Dental Education*. [10] Number of programs and students are as of October 15 and number of graduates are for academic year ending in year shown, from National League for Nursing, *NLN Data Book*, annual issues.

Source: Except as noted, U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data. Prior to 1979, data were published by U.S. National Center for Health Statistics in *Health Resources Statistics*, annual.

Digitized by Google

No. 144. Physicians, by Type of Practice: 1970 to 1985

[As of **December 31.** Includes Puerto Rico and outlying areas. Excludes 4,148 non-Federal physicians with temporary foreign addresses in 1970, 5,559 in 1975, 6,180 in 1979, 6,755 in 1980, 6,259 in 1981, 174 in 1982, 7,039 in 1983, and 7,514 in 1985]

Type of Practice	Number (1,000)								Percent Distribution			
	1970	1975	1979	1980	1981	1982	1983	1985	1970	1975	1980	1985
All physicians	**348.3**	**409.0**	**472.4**	**486.5**	**504.7**	**522.5**	**541.1**	**576.7**	**100**	**100**	**100**	**100**
Doctors of medicine [1]	**334.0**	**393.7**	**454.6**	**467.7**	**485.1**	**502.0**	**519.5**	**552.7**	**96**	**96**	**96**	**96**
Active M.D.'s	311.2	366.4	417.3	435.5	444.9	462.9	479.4	511.0	89	90	90	89
Non-Federal [2]	301.3	359.7	427.1	443.5	460.1	479.2	496.9	526.2	87	88	91	92
Patient care	255.0	287.8	341.5	361.9	373.6	393.3	408.1	431.6	73	70	74	75
Office based [3]	188.9	213.3	248.9	271.2	286.5	297.5	308.3	329.0	54	52	56	57
General practice [4]	50.8	46.3	46.7	47.7	49.4	50.4	51.4	53.9	12	11	10	9
Specialty	138.1	167.0	202.2	223.5	237.1	247.1	257.0	275.2	40	41	46	48
Training programs	45.8	53.5	61.4	59.6	60.5	66.7	70.6	72.2	13	13	12	13
Full-time hospital staff	20.3	21.0	31.1	31.0	26.6	29.1	29.2	30.3	6	5	6	5
Other professional activity	26.3	24.3	33.7	35.2	37.3	36.6	39.3	44.0	8	6	7	8
Retired, not in practice	19.6	21.4	28.3	25.7	35.0	35.7	36.9	38.6	6	5	5	7
Federal	29.5	28.2	18.5	17.8	19.8	19.5	19.4	21.6	8	7	4	4
Patient care [5]	23.5	24.1	15.3	14.6	15.7	15.4	15.3	17.3	7	6	3	3
Full-time hospital staff	14.6	17.7	11.8	11.4	11.4	11.4	11.1	12.9	4	4	2	2
Other professional activity	6.0	4.1	3.2	3.2	4.1	4.1	4.0	4.3	2	1	1	1
Doctors of osteopathy [6]	**14.3**	**15.4**	**18.0**	**18.8**	**19.6**	**20.5**	**21.8**	**24.0**	**4**	**4**	**4**	**4**

[1] Includes physicians with unknown addresses, not shown separately. [2] Includes physicians not classified. [3] Covers all physicians rendering patient care (or patient services by pathologists) in solo, partnership, group practice, or other arrangement and those in industry, insurance companies, health depts., laboratories, etc.
[4] Includes family practice. [5] Includes Federal physicians in office-based practice and training programs. [6] Source: American Osteopathic Association, Chicago, IL.

Source: Except as noted, 1970 and 1975, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual; beginning 1979, American Medical Association, Chicago, IL, *Physician Distribution and Medical Licensure in the U.S., 1979*, (copyright), and *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

No. 145. Non-Federal Physicians, 1980 and 1985, and Dentists, 1984—States

[As of **Dec. 31.** Excludes doctors of osteopathy, Federal physicians and dentists, and physicians with addresses unknown. Includes all physicians not classified according to activity status. For composition of regions, see fig. I, inside front cover]

Region, Division, and State	Active Physicians				Active Dentists,[2] 1984	
	Total		Rate [1]			
	1980	1985	1980	1985	Total	Rate [1]
U.S	**413,692**	**483,905**	**184**	**204**	**132,750**	**57**
Region:						
Northeast	112,382	130,226	229	262	33,675	68
Midwest	94,444	106,583	161	180	34,061	58
South	119,770	145,341	114	179	36,470	46
West	87,096	101,775	204	215	28,544	62
N. Eng	**29,539**	**34,240**	**240**	**271**	**8,667**	**69**
ME	1,660	1,966	151	170	565	49
NH	1,490	1,813	162	183	541	56
VT	1,067	1,276	213	239	330	62
MA	15,564	18,079	272	311	4,319	75
RI	1,998	2,266	211	229	512	54
CT	7,730	8,900	250	282	2,400	76
Mid. Atl	**82,843**	**95,986**	**226**	**258**	**25,008**	**67**
NY	46,808	52,971	267	298	12,963	73
NJ	13,937	17,112	190	227	5,061	68
PA	22,098	25,903	186	219	6,984	59
E. No. Cent	**67,453**	**76,124**	**162**	**183**	**23,873**	**58**
OH	17,458	20,005	162	186	5,843	54
IN	7,022	8,002	128	146	2,557	47
IL	20,885	23,582	183	205	6,683	58
MI	14,826	16,179	158	178	5,583	62
WI	7,462	8,356	159	175	3,207	67
W. No. Cent	**26,991**	**30,439**	**158**	**174**	**10,186**	**58**
MN	7,718	8,658	189	207	2,858	69
IA	3,657	3,999	126	139	1,643	57
MO	7,979	9,244	163	184	2,677	54
ND	884	1,071	138	159	351	52
SD	766	927	112	132	365	52
NE	2,319	2,539	149	159	1,075	68
KS	3,666	4,001	157	165	1,219	50

Division and State	Active Physicians				Active Dentists,[2] 1984	
	Total		Rate [1]			
	1980	1985	1980	1985	Total	Rate [1]
So. Atl	**65,607**	**79,903**	**180**	**201**	**18,755**	**48**
DE	949	1,169	161	189	284	47
MD	11,210	13,660	269	315	2,936	66
DC	3,474	3,547	551	573	568	92
VA	9,154	11,075	176	200	2,905	53
WV	2,610	3,122	134	161	859	44
NC	8,874	10,489	153	171	2,549	42
SC	4,129	4,912	135	149	1,335	41
GA	7,728	9,514	143	163	2,492	43
FL	17,479	22,295	181	198	4,927	45
E. So. Cent	**19,509**	**22,982**	**134**	**153**	**6,805**	**46**
KY	4,820	5,640	133	153	1,863	51
TN	7,169	8,492	157	179	2,516	53
AL	4,856	5,769	125	144	1,560	39
MS	2,664	3,081	107	119	866	34
W. So. Cent	**34,654**	**42,456**	**147**	**162**	**10,910**	**42**
AR	2,772	3,274	122	140	893	38
LA	6,501	7,936	156	178	1,846	42
OK	3,850	4,563	129	140	1,403	43
TX	21,531	26,683	153	164	6,768	42
Mt	**18,497**	**21,984**	**164**	**173**	**6,851**	**55**
MT	1,040	1,148	133	140	517	63
ID	1,007	1,202	107	120	538	54
WY	530	655	114	130	263	52
CO	5,664	6,373	199	200	2,025	64
NM	1,972	2,379	153	166	665	47
AZ	4,814	5,912	179	187	1,381	45
UT	2,373	2,844	180	174	1,054	65
NV	1,097	1,471	139	159	408	45
Pac	**68,599**	**79,791**	**218**	**231**	**21,893**	**64**
WA	7,381	8,773	181	202	2,993	70
OR	4,760	5,201	181	194	1,959	73
CA	54,082	63,009	231	242	15,829	62
AK	491	658	130	132	276	57
HI	1,885	2,150	208	215	836	65

[1] Per 100,000 civilian population. Based on U.S. Bureau of the Census estimates as of April 1 for 1980, and as of July 1 for other years. [2] Based on data supplied by American Dental Association.

Source: American Medical Association, Chicago, IL, *Physician Characteristics and Distribution in the U.S.*, annual (copyright), and U.S. Dept. of Health and Human Services, Health Resources and Services Administration, unpublished data.

Digitized by Google

No. 146. Physicians, by Sex, Specialty, and Major Professional Activity: 1970 to 1985

[In thousands, except percent. As of December 31. Includes Puerto Rico and outlying areas]

Specialty	1970		1975, total	1980, total	1985					
					Total		Patient care			
	Total	Percent			Number	Percent	Total	Office-based	Hospital-based: Full-time	Hospital-based: Residents [1]
Total [2]	[4] 334.0	100.0	[4] 393.7	[4] 467.7	[4] 552.7	100.0	448.8	330.2	43.2	75.4
Male	(NA)	(NA)	[4] 358.1	[4] 413.4	[4] 472.0	85.4	384.4	293.7	35.1	55.6
Female	(NA)	(NA)	[4] 35.6	[4] 54.3	[4] 80.7	14.6	64.4	36.5	8.1	19.8
General practice	57.9	17.3	54.6	60.0	67.1	12.1	65.1	54.3	3.8	6.9
Internal medicine	41.9	12.5	54.3	71.5	90.4	16.4	78.8	52.9	6.7	19.2
Pediatrics	17.9	5.4	21.7	28.3	35.6	6.4	31.8	22.5	3.0	6.3
General surgery	29.8	8.9	31.6	34.0	38.2	6.9	36.4	24.8	2.5	9.1
Obstetrics, gynecology	18.9	5.7	21.7	26.3	30.9	5.6	29.7	23.5	1.5	4.6
Orthopedic surgery	9.6	2.9	11.4	14.0	17.2	3.1	16.6	13.0	.8	2.8
Ophthalmology	9.9	3.0	11.1	13.0	14.9	2.7	14.2	12.2	.5	1.5
Psychiatry	21.1	6.3	23.9	27.5	32.3	5.8	28.9	18.6	5.8	4.6
Anesthesiology	10.1	3.0	12.9	16.0	22.0	4.0	20.8	15.3	2.0	3.5
Pathology	10.3	3.1	11.7	13.4	15.5	2.8	12.4	6.9	3.1	2.4
Radiology	10.5	3.1	11.5	11.7	10.1	1.8	9.3	7.4	1.6	.3

Specialty	1985			
	Patient care			Other professional [3]
	Total	Office-based	Hospital-based: Full-time	Hospital-based: Residents [1]
Total [2]	448.8	330.2	43.2	75.4	48.3
Male	384.4	293.7	35.1	55.6	40.8
Female	64.4	36.5	8.1	19.8	7.5
General practice	65.1	54.3	3.8	6.9	2.0
Internal medicine	78.8	52.9	6.7	19.2	11.6
Pediatrics	31.8	22.5	3.0	6.3	3.8
General surgery	36.4	24.8	2.5	9.1	1.6
Obstetrics, gynecology	29.7	23.5	1.5	4.6	1.2
Orthopedic surgery	16.6	13.0	.8	2.8	.5
Ophthalmology	14.2	12.2	.5	1.5	.7
Psychiatry	28.9	18.6	5.8	4.6	3.3
Anesthesiology	20.8	15.3	2.0	3.5	1.2
Pathology	12.4	6.9	3.1	2.4	3.1
Radiology	9.3	7.4	1.6	.3	.8

NA Not available. [1] Includes interns. [2] Medical teaching, administration, research, and other. [3] Includes other specialties not shown separately. [4] Includes physicians who are inactive, not classified, or with address unknown.

Source: American Medical Association, Chicago, IL, *Distribution of Physicians in the United States, 1970; Physician Distribution and Medical Licensure in the U.S., 1975*; and, beginning 1980, *Physician Characteristics and Distribution in the U.S.*, annual (copyright).

No. 147. Physician and Dental Visits by Patient Characteristics: 1970 to 1985

[See headnote, table 166. Based on National Health Interview Survey; see Appendix III]

Type of visit and year	Total visits (mil.)				Visits per person								
	Sex		Race [1]		Sex		Race [1]		Age (years)				
	Male	Female	White	Black	Male	Female	White	Black	Under 6	6 to 16	17 to 24	25 to 44	45 to 64	65 and over
Physicians:														
1970	396	531	832	87	4.1	5.1	4.8	3.9	5.9	2.9	4.8	4.6	5.2	6.3
1975	435	621	929	116	4.3	5.7	5.1	4.7	6.5	3.2	4.8	5.1	5.8	6.6
1980	426	610	903	115	4.0	5.4	4.8	4.5	6.7	3.2	4.0	4.6	5.1	6.4
1983	470	694	1,018	126	4.3	5.8	5.2	4.8	6.5	3.2	4.0	4.7	5.8	7.6
1984	472	701	1,027	126	4.2	5.9	5.2	4.6	6.1	3.1	4.1	4.7	5.7	8.2
1985	498	733	1,074	132	4.4	6.1	5.4	4.7	6.3	3.1	4.2	4.9	6.1	8.3
Dentists:														
1970	133	171	283	17	1.4	1.7	1.6	.8	.5	1.9	1.8	1.7	1.5	1.1
1975	153	188	313	23	1.5	1.7	1.7	1.0	.6	2.0	1.8	1.7	1.8	1.2
1980	158	207	333	26	1.5	1.8	1.8	1.0	.5	2.3	1.6	1.7	1.8	1.4
1983	183	239	382	31	1.6	2.0	1.9	1.1	.5	2.6	1.6	1.9	2.0	1.5

[1] See footnote 2, table 166.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

No. 148. Diagnostic Services Ordered or Provided During Office Visits, by Sex of Patient: 1985

[For 12 months ending February 1986. Based on the National Ambulatory Medical Care Survey and subject to sampling variability; see source for details]

Diagnostic service	Number of visits (1,000)	Percent by sex of patient		
		Total	Male	Female
All visits	636,386	100.0	100.0	100.0
None	229,970	36.1	42.0	32.4
Breast exam	43,170	6.6	.3	11.0
Pelvic exam	54,854	8.6	(x)	14.2
Rectal exam	34,191	5.4	4.8	5.7
Visual acuity	40,945	6.4	6.9	6.1
Urinalysis	88,009	13.8	10.4	16.0
Hematology	58,983	9.3	8.0	10.1
Blood chemistry	43,913	6.9	7.3	6.7
Pap test	28,549	4.5	(x)	7.4
Other lab test	53,514	8.4	7.7	8.9
Blood pressure check	245,886	38.6	31.9	43.0
Electrocardiogram	20,288	3.2	4.1	2.6
Chest Xray	17,549	2.8	3.3	2.4
Other radiology	37,806	5.9	6.3	5.7
Ultrasound	5,996	.9	.5	1.2
Glucose test	84,249	13.2	9.5	15.7
Other	67,778	10.7	10.3	10.9

x Not applicable

Source: U.S. National Center for Health Statistics, *1985 Summary: National Ambulatory Medical Care Survey. Advance Data from Vital and Health Statistics*, No. 128, January 1987.

Digitized by Google

No. 149. Physicians' Median Earnings from Practice: 1975 to 1985

[**In thousands of dollars.** *Unincorporated:* Net earnings from practice represent residual after payment of tax-deductible professional expenses but before payment of income taxes. Covers office-based, patient-care doctors of medicine (M.D.'s.) *Incorporated:* Applies to office-based, patient-care M.D.'s who are shareholders of a medical corporation. Earnings include salary, bonuses (if any), and funds set aside by corporation for individual's retirement. Based on random sampling of office-based M.D.'s. 1985 data are based on 10,845 returned questionnaires from M.D.'s (35.2 percent of those mailed in 1986). For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series D 916 for physicians]

Year, region, and division	Gross earnings	Net earnings		
		Total	Incorporated	Unincorporated
1975	(NA)	58.4	76.3	47.5
1980	132.2	83.7	95.1	63.8
1981	141.4	86.2	99.7	67.1
1982	155.8	93.3	105.5	69.6
1983	157.5	94.6	109.1	71.0
1984	181.3	102.0	119.0	78.8
1985	**182.3**	**102.5**	**120.1**	**79.0**
Northeast	170.3	97.9	120.7	78.4
New England	156.0	91.7	120.8	70.8
Middle Atlantic	175.0	100.7	120.6	82.0
Midwest	179.4	103.9	120.4	83.1
East North Central	182.5	105.8	124.7	82.8
West North Central	170.0	99.3	108.3	(B)
South	193.4	107.6	123.1	79.5
South Atlantic	186.0	105.7	122.5	78.8
East South Central	190.0	107.5	122.5	(B)
West South Central	205.5	111.5	125.0	83.3
West	180.5	98.7	113.3	75.9
Mountain	198.3	120.2	125.0	(B)
Pacific	171.5	93.9	106.3	71.4
1985—Con.				
Urban	179.3	105.3		
Suburban	188.6	104.7		
Rural	174.3	90.5		
1–2 years	120.8	72.3		
3–5 years	170.8	99.3		
6–10 years	199.8	110.0		
11–20 years	211.5	121.9		
21–30 years	190.8	102.9		
31 years or more	141.5	79.6		
Incorporated: Solo	217.6	108.6		
2 shareholders	235.0	123.2		
3 shareholders	215.2	126.9		
4 or more shareholders	215.4	132.5		
Unincorporated: Solo	130.0	72.8		
Expense-sharing	140.0	78.9		
2 or 3 partners	147.5	84.0		
4 or more partners	191.7	107.5		

B Base figure too small to meet statistical standards for reliability of derived figure. NA Not available.

No. 150. Office-Based Physicians' Median Earnings from Practice, by Specialty: 1985

[See headnote, table 149. Total includes specialties not shown separately. D.O. means Doctor of Osteopathy]

Specialty	Gross earnings ($1,000)	Net earnings ($1,000)	Net earnings from practice—percent distribution						
			Less than $40,000	$40,000–$69,999	$70,000–$99,999	$100,000–$124,999	$125,000–$149,999	$150,000–$199,999	$200,000 or more
M.D.'s total	**182.3**	**102.5**	**7**	**19**	**22**	**17**	**10**	**12**	**13**
Anesthesiologists	167.5	134.2	1	6	15	20	20	20	18
D.O.-G.P.'s	148.0	74.0	16	30	30	11	6	5	2
Family practitioners	168.3	76.5	11	30	36	14	4	3	2
General practitioners	141.1	71.5	17	30	30	11	4	5	3
General surgeons	204.4	120.8	5	11	20	19	10	19	16
Internists	164.7	89.8	9	25	22	20	10	8	6
Neurosurgeons	322.2	192.7	3	4	7	12	10	17	47
Obstetrician-gynecologists	244.0	121.4	5	11	16	21	16	15	14
Orthopedic surgeons	334.6	168.8	1	3	6	15	14	22	37
Pediatricians	148.3	79.1	12	25	37	15	7	3	1
Plastic surgeons	319.9	155.2	5	7	11	11	14	19	33
Psychiatrists	112.9	80.4	10	27	35	14	7	4	3
Radiologists	206.3	150.0	3	3	13	15	16	25	25
Thoracic surgeons	254.7	151.6	4	9	14	13	10	17	33

Source of tables 149 and 150: Medical Economics Company, Oradell, NJ, *Medical Economics*. (Copyright © by Medical Economics Company; further reproduction prohibited without written permission of copyright owner.)

No. 151. Physician Expenses and Malpractice Insurance Premiums, by Selected Specialty: 1982 and 1984

[Based on reports from the American Medical Association's Profile of Medical Practice and Socioeconomic Monitoring System (SMS). For physicians who are self-employed]

Type of expense	Total physicians [1]		General practice [2]		Internal medicine		Surgery		Pediatrics		Obstetrics/ gynecology	
	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984
Average expense as a percent of total expenses—												
Nonphysician payroll	39	33	42	35	39	36	37	33	39	37	43	30
Office expenses	22	26	23	26	25	25	21	25	26	30	23	26
Medical supplies	10	11	15	16	10	13	8	11	12	13	9	11
Malpractice insurance	7	9	5	5	5	6	9	10	4	5	10	16
Medical equipment	6	6	6	6	7	5	7	7	4	5	7	6
Malpractice insurance premiums	$5,800	$8,400	$3,500	$4,600	$3,700	$4,900	$9,900	$13,400	$2,900	$3,500	$10,900	$18,800

[1] Includes types of physicians, not shown separately. [2] Includes family practice.

Source: U.S. General Accounting Office, *Medical Malpractice Insurance Costs Increased but Varied Among Physicians and Hospitals*, GAO/HRD–86–112, September 1986.

Digitized by Google

No. 152. Hospitals and Nursing Homes—Summary Characteristics: 1971 to 1986

[Except as indicated, based on National Master Facility Inventory]

Year and type of facility	Total	Facilities under—			Facilities with—			Residents [2] (1,000)	Full-time employees (1,000)
		Govt. control	Proprietary control	Nonprofit control	Less than 25 beds [1]	25–74 beds	75 or more beds		
1971: All facilities	29,682	4,178	18,091	7,413	8,902	10,959	9,821	2,262	3,007
Nursing homes [3]	22,004	1,368	17,049	3,587	8,266	8,259	5,479	1,076	568
Hospitals	7,678	2,810	1,042	3,826	636	2,700	4,342	1,186	2,439
1980: All facilities	30,116	3,498	19,611	7,007	8,852	8,573	12,691	2,427	3,919
Nursing homes [3] [4] [5]	23,065	936	18,669	3,460	8,498	6,362	8,205	1,396	[6] 798
Hospitals	7,051	2,562	942	3,547	354	2,211	4,486	1,031	3,121
1985: All hospitals [7]	6,986	2,291	1,115	3,580	290	2,135	4,561	900	3,217
General	6,018	1,931	801	3,286	257	1,852	3,909	714	2,853
Psychiatric	572	270	200	102	12	134	426	143	250
Chronic	39	24	4	11	–	6	33	11	18
Tuberculosis	7	6	–	1	–	1	6	1	2
1986: Nursing homes [3] [5]	25,646	1,045	20,223	4,378	9,613	6,605	9,428	1,553	(NA)

– Represents zero. NA Not available. [1] For hospitals, minimum of 6 beds; for nursing homes, minimum of 3 beds. [2] Number of residents as of date of interview. [3] See footnote 1, table 161. [4] Includes 1978 data for Alaska and South Dakota. [5] Excludes hospital-based nursing homes; 1986 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. [6] Estimated. [7] Includes types not shown below.

Source: U.S. National Center for Health Statistics, *Health Resources Statistics, 1971*, and unpublished data.

No. 153. Hospital Use Rates, by Type of Hospital: 1970 to 1985

[See also *Historical Statistics, Colonial Times to 1970*, series B 384–387]

Type of hospital	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Non-Federal short-term: [1]										
Admissions per 1,000 population [2]	140	156	156	157	159	159	157	155	149	141
Admissions per bed	34	35	35	36	36	36	36	35	35	35
Average length of stay [3] (days)	8.2	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.3	7.1
Outpatient visits per admission	4.5	5.9	6.0	5.6	5.7	5.7	6.9	5.9	6.1	6.6
Outpatient visits per 1,000 population [2]	641	911	930	908	913	901	1,084	915	917	935
Surgical operations (million)	(NA)	16.7	17.2	18.3	18.8	19.2	19.6	19.9	19.9	20.2
Number per admission	(NA)	.5	.5	.5	.5	.5	.5	.5	.6	.6
Psychiatric:										
Admissions per 1,000 population [2]	3.3	3.2	2.9	2.6	2.8	2.7	2.7	2.6	2.4	2.5
Days in hospital per 1,000 population [2]	862	490	345	334	326	304	292	274	234	224

NA Not available. [1] General and special; excludes psychiatric and tuberculosis. Short-term hospitals have an average patient stay of less than 30 days. [2] Based on Bureau of the Census estimated resident population as of July 1. [3] Number of inpatient days divided by number of admissions.

Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

No. 154. Hospital Utilization Rates, by Sex, 1970 to 1985, and Selected Characteristics, 1985

[Represents estimates of inpatients discharged from noninstitutional, short-stay hospitals, exclusive of Federal hospitals. Excludes newborn. Based on sample data collected from the National Hospital Discharge Survey, a sample survey of hospital records of patients discharged in year shown; subject to sampling variability. For composition of regions, see fig. I, inside front cover]

Selected characteristic	Patients discharged (1,000)	Patients discharged per 1,000 persons [1]			Days of care per 1,000 persons [1]			Average stay (days)			Beds used per day [2]
		Total	Male	Female	Total	Male	Female	Total	Male	Female	
1970	29,127	144	118	169	1,122	982	1,251	8.0	8.7	7.6	321
1980	37,832	168	139	194	1,217	1,068	1,356	7.3	7.7	7.0	337
1983	38,783	167	139	193	1,155	1,024	1,278	6.9	7.4	6.6	316
1984	37,162	159	132	184	1,044	924	1,155	6.6	7.0	6.3	286
1985, total	**35,056**	**148**	**124**	**171**	**954**	**849**	**1,053**	**6.5**	**6.9**	**6.2**	**261**
Under 1 year old	787	210	234	185	1,391	1,477	1,300	6.6	6.3	7.0	381
1–4 years old	921	64	74	54	226	246	205	3.5	3.3	3.8	62
5–14 years old	1,264	37	41	34	151	174	127	4.1	4.3	3.8	41
15–24 years old	4,521	117	60	173	488	344	631	4.2	5.7	3.7	134
25–34 years old	5,821	141	75	205	664	468	855	4.7	6.3	4.2	182
35–44 years old	3,624	115	96	133	667	591	738	5.8	6.2	5.5	183
45–64 years old	7,610	170	176	163	1,193	1,220	1,168	7.0	6.9	7.1	327
65–74 years old	5,011	295	320	275	2,419	2,577	2,293	8.2	8.1	8.3	662
75 years old and over	5,497	477	526	449	4,389	4,672	4,236	9.2	8.8	9.4	1,203
Region: Northeast	7,168	144	126	160	1,116	1,009	1,213	7.7	8.0	7.6	306
Midwest	9,111	154	130	177	1,042	942	1,136	6.8	7.2	6.4	265
South	12,274	152	124	177	912	795	1,020	6.0	6.4	5.8	250
West	6,502	138	111	163	748	660	834	5.4	5.9	5.1	205
Hospital ownership:											
Nonprofit	23,984	101	84	117	673	595	747	6.7	7.1	6.4	184
State, local govt	7,776	33	28	38	194	174	212	5.9	6.3	5.6	53
Proprietary	3,296	14	12	16	88	80	95	6.3	6.7	6.0	24

[1] Based on Bureau of the Census estimated civilian population as of July 1. [2] Average daily number of beds occupied per 100,000 civilian population.

Source: U.S. National Center for Health Statistics, *Vital Health Statistics*, series 13, and unpublished data.

Digitized by Google

No. 155. Hospitals—Summary Characteristics, by Type of Service and Control: 1960 to 1985

[Covers hospitals accepted for registration by American Hospital Association; see text, section 3. Short-term hospitals have an average patient stay of less than 30 days; long-term, an average stay of longer duration. Special hospitals include obstetrics and gynecology; eye, ear, nose, and throat; rehabilitation; orthopedic; and chronic and other special hospitals except psychiatric, tuberculosis, alcoholism, and chemical dependency hospitals. See also *Historical Statistics, Colonial Times to 1970*, series B 305-318, B 331-344, and B 413-422]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
Number:										
All hospitals	6,876	7,123	7,156	6,988	6,965	6,933	6,915	6,888	6,872	6,872
With 100 beds or more	2,903	3,488	3,691	3,749	3,755	3,804	3,807	3,812	3,808	3,805
Non-Federal	6,441	6,715	6,774	6,627	6,606	6,585	6,569	6,546	6,531	6,529
Short-term general and special	5,407	5,859	5,979	5,923	5,904	5,879	5,863	5,843	5,814	5,784
Nongovernmental nonprofit	3,291	3,386	3,364	3,350	3,339	3,356	3,354	3,363	3,366	3,364
For profit	856	769	775	727	730	729	748	757	786	805
State and local government	1,260	1,704	1,840	1,846	1,835	1,794	1,761	1,723	1,662	1,615
Long-term general and special	308	236	215	165	157	146	138	131	131	128
Psychiatric	488	519	544	527	534	549	558	564	579	610
Tuberculosis	238	101	36	12	11	11	10	6	7	7
Federal	435	408	382	361	359	348	346	342	341	343
Beds (1,000):										
All hospitals	1,658	1,816	1,466	1,372	1,365	1,362	1,360	1,350	1,339	1,309
Rate per 1,000 population [1]	9.3	7.9	6.8	6.1	6.0	5.9	5.9	5.8	5.7	5.5
Beds per hospital	241	227	205	196	196	196	197	196	195	190
Non-Federal	1,481	1,455	1,334	1,255	1,248	1,246	1,248	1,237	1,226	1,197
Short-term general and special	639	848	947	968	992	1,007	1,015	1,021	1,020	997
Rate per 1,000 population [1]	3.6	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.2
Nongovernmental nonprofit	446	592	659	690	693	706	712	718	717	702
For profit	37	53	73	83	87	88	91	94	100	104
State and local government	156	204	215	214	212	213	212	209	203	190
Long-term general and special	67	60	51	40	39	35	34	30	30	31
Psychiatric	722	527	330	224	215	202	195	185	175	169
Tuberculosis	52	20	6	2	2	2	1	1	1	1
Federal	177	161	132	117	117	116	114	113	112	112
Occupancy rate: [2]										
All hospitals	84.8	80.3	76.7	76.1	77.7	77.9	77.4	76.1	72.5	69.5
Non-Federal	(NA)	(NA)	76.3	75.9	77.4	77.8	77.2	75.7	71.9	68.9
Short-term general and special	74.7	78.0	74.8	73.8	75.4	75.9	75.2	73.4	68.9	65.2
Nongovernmental nonprofit	76.6	80.1	77.4	76.5	78.2	78.5	77.8	75.8	71.4	67.7
For profit	65.4	72.2	65.9	63.9	65.2	66.4	65.5	63.1	57.0	52.2
State and local government	71.8	73.2	69.7	69.1	70.7	71.2	70.7	70.0	65.9	63.1
Long-term general and special	86.9	82.0	82.1	86.1	85.9	86.2	87.9	86.5	88.7	84.5
Psychiatric	93.1	84.8	80.3	83.2	85.2	85.9	86.1	86.5	86.3	87.0
Tuberculosis	75.4	61.6	57.7	61.8	67.0	66.5	62.3	67.5	63.4	64.1
Federal	87.2	79.6	80.7	78.2	80.1	79.0	79.4	80.5	79.0	76.3
Expenses (bil. dol.): [3]										
All hospitals	8.4	25.6	48.7	79.6	91.9	107.1	123.2	136.3	144.1	153.3
Non-Federal	7.3	23.1	44.2	72.5	84.0	98.5	113.7	125.8	133.0	141.0
Short-term general and special	5.6	19.8	39.1	66.2	77.0	90.7	105.1	118.6	123.5	130.7
Nongovernmental nonprofit	4.1	14.2	28.0	48.0	55.8	66.3	76.9	85.7	90.9	96.2
For profit	.3	1.1	2.6	4.8	5.8	6.9	8.2	9.2	10.3	11.5
State and local government	1.2	4.3	8.6	13.4	15.3	17.6	20.1	21.7	22.4	23.0
Long-term general and special	.3	.6	1.0	1.1	1.2	1.3	1.5	1.5	1.7	1.9
Psychiatric	1.2	2.7	4.0	5.1	5.8	6.4	7.0	7.4	7.7	8.3
Tuberculosis	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1
Federal	1.1	2.5	4.5	7.3	7.9	8.6	9.5	10.7	11.2	12.3
Personnel (1,000): [4]										
All hospitals	1,598	2,537	3,023	3,382	3,492	3,661	3,959	3,707	3,630	3,625
Non-Federal	1,412	2,321	2,766	3,109	3,213	3,378	3,656	3,422	3,339	3,326
Short-term general and special	1,090	1,929	2,399	2,782	2,879	3,039	3,312	3,102	3,023	3,003
Nongovernmental nonprofit	792	1,367	1,714	2,000	2,067	2,213	2,424	2,272	2,223	2,217
For profit	48	97	139	174	189	203	223	213	214	221
State and local government	241	444	546	588	602	622	665	618	586	565
Long-term general and special	55	69	68	61	56	61	61	53	54	58
Psychiatric	238	305	292	282	275	275	281	264	260	263
Tuberculosis	39	18	7	3	3	3	3	2	2	2
Federal	186	216	256	273	279	283	302	286	290	299
Personnel per 100 patients: [4]										
All hospitals	114	196	269	324	329	345	376	361	374	396
Non-Federal	113	198	272	327	333	348	380	365	379	409
Short-term general and special	226	292	339	379	385	398	434	414	430	462
Nongovernmental nonprofit	232	292	336	379	385	399	438	417	434	466
For profit	196	256	288	326	334	348	374	358	375	406
State and local government	215	298	365	398	401	411	443	422	438	470
Long-term general and special	95	140	162	174	170	200	200	202	203	212
Psychiatric	35	68	110	151	150	158	167	165	172	160
Tuberculosis	99	146	216	252	290	287	334	351	342	378
Federal	120	169	240	298	297	310	335	314	327	351

NA Not available. [1] Based on Bureau of the Census estimated resident population as of July 1. [2] Ratio of average daily census to every 100 beds. [3] Excludes new construction. [4] Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, IL *Hospital Statistics*, annual. (Copyright.)

Digitized by Google

No. 156. Hospital Facilities—Total, 1960 to 1985, and States and Puerto Rico, 1985

[Short-term hospitals have an average stay of less than 30 days. See also *Historical Statistics, Colonial Times to 1970*, series B 305–308 and B 359–362]

Year and state or other area	Number of hospitals		Beds (1,000)		Patients admitted (mil.)		Average daily census [2] (1,000)		Occupancy rate [3]		Personnel [4] (1,000)	Total outpatient visits (mil.)
	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]	Total	Short-term [1]		
1960	6,876	5,407	1,658.0	639.1	25.0	23.0	1,401.9	477.4	84.6	74.7	1,596	(NA)
1965	7,123	5,736	1,703.5	741.3	28.8	26.5	1,402.6	563.4	82.3	76.0	1,952	125.8
1970	7,123	5,856	1,615.8	848.2	31.8	29.3	1,297.7	661.5	80.3	78.0	2,537	161.4
1971	7,097	5,865	1,555.6	866.5	32.7	30.1	1,236.8	664.8	79.5	76.7	2,589	199.7
1972	7,061	5,843	1,549.7	883.7	33.3	30.8	1,206.9	664.1	78.0	75.2	2,671	219.2
1973	7,123	5,891	1,534.7	903.3	34.4	31.8	1,189.0	681.5	77.5	75.4	2,769	233.6
1974	7,174	5,977	1,512.7	931.2	35.5	32.9	1,167.4	701.3	77.2	75.3	2,919	250.5
1975	7,156	5,979	1,465.8	947.0	36.2	33.5	1,124.9	708.1	76.7	74.8	3,023	254.6
1976	7,082	5,956	1,433.5	961.2	36.8	34.1	1,089.7	714.6	76.0	74.4	3,108	271.0
1977	6,999	5,943	1,407.1	973.9	37.1	34.4	1,065.9	716.7	75.8	73.6	3,213	263.8
1978	7,015	5,935	1,380.8	979.7	37.2	34.6	1,041.9	719.9	75.5	73.5	3,260	263.6
1979	6,968	5,923	1,371.8	987.7	37.8	35.2	1,043.4	729.0	76.1	73.8	3,382	262.0
1980	6,965	5,904	1,364.5	992.0	38.9	36.2	1,059.7	748.3	77.7	75.4	3,492	262.9
1981	6,933	5,879	1,361.5	1,006.7	39.2	36.4	1,060.9	764.4	77.9	75.9	3,661	265.3
1982	6,915	5,863	1,359.8	1,015.2	39.1	36.4	1,052.7	763.3	77.4	75.2	3,959	313.7
1983	6,888	5,843	1,350.4	1,021.4	39.9	36.2	1,057.9	750.1	78.1	73.4	3,707	272.2
1984	6,872	5,814	1,338.7	1,019.8	37.9	35.2	970.3	702.7	72.5	68.9	3,630	276.6
1985, U.S.	**6,872**	**5,784**	**1,308.5**	**996.5**	**36.3**	**33.5**	**909.8**	**650.0**	**69.5**	**65.2**	**3,825**	**282.1**
Alabama	144	129	24.9	19.7	.7	.7	16.3	12.4	65.7	62.6	59	3.8
Alaska	27	18	1.9	1.1	.1	(Z)	1.2	.7	62.7	62.4	6	.9
Arizona	85	61	13.1	10.0	.4	.4	8.4	6.2	64.4	61.6	40	4.3
Arkansas	101	93	13.3	11.1	.4	.4	7.9	6.3	59.0	56.1	32	1.9
California	573	484	110.0	83.7	3.3	3.1	73.8	52.1	67.0	62.3	337	31.1
Colorado	98	83	14.5	11.4	.4	.4	9.3	6.7	64.3	58.9	42	4.6
Connecticut	63	40	16.0	10.4	.4	.4	12.6	7.8	80.1	74.9	51	4.2
Delaware	13	8	3.8	2.2	.1	.1	2.8	1.5	75.6	68.0	10	.6
District of Columbia	17	12	8.3	4.6	.2	.2	6.6	3.6	80.0	75.9	32	2.0
Florida	267	224	61.5	50.7	1.8	1.7	40.1	31.7	65.2	62.6	164	10.5
Georgia	197	167	33.7	25.6	1.0	.9	23.3	16.5	68.9	64.5	92	7.6
Hawaii	26	19	4.1	2.8	.1	.1	3.1	2.2	76.7	76.5	13	1.7
Idaho	52	47	4.2	3.6	.1	.1	2.4	2.0	58.4	57.0	10	1.0
Illinois	274	241	66.6	54.3	1.9	1.8	45.1	34.9	67.7	64.3	192	14.0
Indiana	134	117	29.7	23.2	.8	.8	19.8	14.3	66.6	61.5	78	6.5
Iowa	139	129	18.6	15.1	.4	.4	11.5	8.6	62.1	57.3	43	3.2
Kansas	161	144	17.1	12.6	.4	.3	10.6	6.9	62.1	54.4	41	3.4
Kentucky	120	107	19.4	16.2	.6	.6	12.9	10.4	66.5	64.0	49	3.9
Louisiana	168	145	27.0	20.1	.8	.7	17.3	11.9	64.0	59.1	68	4.6
Maine	47	42	6.4	4.9	.2	.2	4.6	3.3	71.4	66.9	19	1.7
Maryland	85	55	22.6	15.0	.6	.5	17.6	11.1	77.9	74.0	69	6.1
Massachusetts	176	117	40.5	25.8	.9	.8	32.0	19.1	79.0	73.9	130	10.7
Michigan	222	193	45.2	37.1	1.3	1.3	32.0	25.1	70.8	67.5	140	11.2
Minnesota	178	165	27.1	21.6	.6	.6	18.4	13.8	67.8	63.8	61	3.3
Mississippi	118	108	18.9	12.9	.5	.4	10.8	7.6	63.8	58.4	37	2.1
Missouri	166	142	32.1	25.8	.9	.8	21.7	16.4	67.5	63.8	90	5.2
Montana	67	61	4.9	4.6	.1	.1	2.9	2.7	58.9	59.1	11	.9
Nebraska	110	99	11.6	9.6	.3	.2	7.2	5.6	62.1	58.3	26	1.8
Nevada	29	21	3.9	3.3	.1	.1	2.2	1.8	56.7	53.6	11	1.0
New Hampshire	35	29	4.5	3.4	.1	.1	3.1	2.2	70.0	64.2	13	1.5
New Jersey	128	100	41.7	29.7	1.2	1.1	33.2	22.5	79.6	75.6	113	7.7
New Mexico	57	39	6.6	4.2	.2	.2	4.3	2.5	65.6	60.4	20	2.4
New York	328	260	114.9	78.7	2.7	2.6	98.6	66.0	86.0	83.9	340	26.7
North Carolina	159	130	31.4	23.1	.9	.8	21.9	14.9	69.7	64.8	85	5.6
North Dakota	59	52	6.1	5.0	.1	.1	3.9	3.1	63.5	61.1	12	.8
Ohio	233	200	59.9	49.2	1.7	1.6	40.1	31.4	67.0	63.9	179	13.2
Oklahoma	142	120	17.2	13.5	.5	.4	10.5	7.6	60.6	56.0	45	3.4
Oregon	82	74	11.1	8.6	.4	.3	6.6	4.8	59.4	55.7	30	2.5
Pennsylvania	305	245	75.2	55.9	2.0	1.9	54.9	38.4	73.1	68.7	217	17.1
Rhode Island	21	14	5.4	3.5	.1	.1	4.3	2.6	79.9	76.1	18	1.5
South Carolina	90	75	15.4	11.9	.5	.4	11.2	8.0	72.7	67.4	41	4.0
South Dakota	68	57	5.6	4.6	.1	.1	3.5	2.7	60.6	57.7	11	.8
Tennessee	165	146	31.2	25.2	.9	.9	21.2	16.3	68.1	64.8	79	4.6
Texas	561	482	85.9	65.8	2.5	2.2	52.7	37.3	61.4	56.7	215	14.2
Utah	42	39	5.1	4.4	.2	.2	3.2	2.6	62.0	59.1	17	1.6
Vermont	19	16	2.9	2.1	.1	.1	2.1	1.4	72.2	68.1	8	.5
Virginia	138	101	30.1	21.1	.8	.7	21.5	14.2	71.3	67.1	79	6.2
Washington	119	104	17.0	13.3	.6	.5	10.8	7.8	62.6	58.5	51	5.0
West Virginia	71	64	11.6	9.7	.4	.3	7.5	5.9	64.4	60.7	30	2.4
Wisconsin	159	139	27.4	22.2	.7	.7	18.0	13.7	65.8	61.7	64	5.8
Wyoming	32	27	3.1	2.2	.1	.1	1.8	1.1	59.0	52.0	6	.5
Puerto Rico	69	61	10.9	6.9	.4	.4	8.3	6.4	71.4	67.7	29	3.5

NA Not available. Z Less than 50,000. [1] Non-Federal hospitals. [2] Inpatients receiving treatment each day; excludes newborn. [3] Ratio of average daily census to every 100 beds. [4] Includes full-time equivalents of part-time personnel.

Source: American Hospital Association, Chicago, IL, *Hospital Statistics*, annual. (Copyright.)

Digitized by Google

No. 157. Procedures for Inpatients Discharged From Short-Stay Hospitals: 1975 to 1985

[Excludes newborn infants and discharges from Federal hospitals. See headnote, table 154. Prior to 1980, a maximum of 3 operations were coded per discharge, while a maximum of 4 per discharge were coded beginning in 1980]

Sex and type of procedure	Number of procedures (1,000)					Rate per 1,000 population [1]				
	1975	1980	1983	1984	1985	1975	1980	1983	1984	1985
BOTH SEXES										
Surgical procedures, total [2 3]	**20,040**	**24,494**	**26,220**	**25,590**	**24,799**	**93.7**	**108.6**	**112.9**	**109.2**	**104.6**
Procedures to assist delivery	(NA)	2,391	2,405	2,362	2,494	(NA)	10.6	10.4	10.1	10.5
Cesarean section	328	619	808	813	877	1.5	2.7	3.5	3.5	3.7
Reduction of fracture [4]	688	605	605	627	681	3.2	2.7	2.6	2.7	2.9
Cardiac catheterization	189	348	508	570	681	.9	1.5	2.2	2.4	2.9
Hysterectomy	725	649	672	664	670	3.4	2.9	2.9	2.8	2.8
Repair of current obstetric laceration	227	355	479	483	548	1.1	1.6	2.1	2.1	2.3
Diagnostic and other non-surgical procedures [5]	(NA)	**6,918**	**9,718**	**10,565**	**11,961**	(NA)	**30.7**	**41.8**	**45.1**	**50.5**
CAT scan [6]	(NA)	306	871	1,091	1,378	(NA)	1.4	3.7	4.7	5.8
Diagnostic ultrasound	(NA)	318	695	836	1,234	(NA)	1.4	3.0	3.6	5.2
Angiocardiography and arteriography [7]	(NA)	569	825	972	1,117	(NA)	2.5	3.6	4.1	4.7
Radioisotope scan	(NA)	525	685	764	838	(NA)	2.3	2.9	3.3	3.5
Cystoscopy	(NA)	867	774	740	645	(NA)	3.8	3.3	3.2	2.7
MALE										
Surgical procedures, total [3]	**7,379**	**8,505**	**9,268**	**9,164**	**8,805**	**71.4**	**78.1**	**82.6**	**81.0**	**76.8**
Cardiac catheterization	125	228	326	372	439	1.2	2.1	2.9	3.3	3.8
Repair of inguinal hernia	484	483	456	411	370	4.7	4.4	4.1	3.6	3.2
Prostatectomy	266	335	357	361	367	2.6	3.1	3.2	3.2	3.2
Reduction of fracture [4]	348	325	313	330	339	3.4	3.0	2.8	2.9	3.0
Diagnostic and other non-surgical procedures [5]	(NA)	**3,386**	**4,725**	**5,195**	**5,889**	(NA)	**31.1**	**42.1**	**45.9**	**51.4**
Angiocardiography and arteriography [7]	(NA)	355	508	588	693	(NA)	3.3	4.5	5.2	6.0
CAT scan [6]	(NA)	152	431	530	671	(NA)	1.4	3.8	4.7	5.9
FEMALE										
Surgical procedures, total [3 7]	**12,661**	**15,989**	**16,953**	**16,426**	**15,994**	**114.6**	**137.1**	**141.1**	**135.5**	**130.6**
Procedures to assist delivery	(NA)	2,391	2,405	2,362	2,494	(NA)	20.5	20.0	19.5	20.4
Cesarean section	328	619	808	813	877	3.0	5.3	6.7	6.7	7.2
Hysterectomy	725	649	672	664	670	6.6	5.6	5.6	5.5	5.5
Repair of current obstetric laceration	227	355	479	483	548	2.1	3.0	4.0	4.0	4.5
Diagnostic and other non-surgical procedures [5]	(NA)	**3,532**	**4,994**	**5,370**	**6,072**	(NA)	**30.3**	**41.6**	**44.3**	**49.6**
Diagnostic ultrasound	(NA)	204	431	519	756	(NA)	1.7	3.6	4.3	6.2
CAT scan [6]	(NA)	154	440	561	707	(NA)	1.3	3.7	4.6	5.8

NA Not available. [1] Based on Bureau of the Census estimated civilian population as of July 1. [2] Includes other types of surgical procedures not shown separately. [3] Figures for 1975 should be compared with caution to those for 1980–1985 because data prior to 1980 exclude the following obstetrical procedures: Episiotomy, artificial rupture of membrane, internal version and outlet, and low forceps delivery. [4] Excluding skull, nose, and jaw. [5] Includes other non-surgical procedures not shown separately. [6] Computerized axial tomography. [7] Using contrast material.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

No. 158. Average Cost to Community Hospitals per Patient, 1970 to 1985, and Average Semi-Private Room Charge, 1978 to 1985

[In dollars, except percent. Covers non-Federal short-term general or special hospitals (excluding psychiatric or tuberculosis hospitals and, beginning 1974, hospital units of institutions). Total cost per patient based on total hospital expenses (payroll, employee benefits, professional fees, supplies, etc.). Data have been adjusted for outpatient visits]

Type of expense and hospital	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Average cost per day, total	**74**	**114**	**134**	**153**	**174**	**194**	**217**	**245**	**284**	**327**	**369**	**411**	**460**
Annual percent change [1]	12.7	10.8	17.8	14.2	13.9	11.7	11.8	12.8	16.0	15.1	12.8	11.4	10.7
Nongovernmental nonprofit	75	113	133	153	175	195	218	246	286	330	374	415	463
For profit	71	109	133	156	177	202	226	257	299	340	385	438	500
State and local government	71	115	136	151	171	189	212	239	274	312	348	385	433
Average cost per stay, total	**605**	**886**	**1,030**	**1,178**	**1,322**	**1,474**	**1,642**	**1,851**	**2,171**	**2,501**	**2,789**	**2,995**	**3,245**
Nongovernmental nonprofit	615	896	1,040	1,208	1,363	1,515	1,684	1,902	2,226	2,573	2,869	3,073	3,307
For profit	496	729	876	1,032	1,198	1,317	1,476	1,676	1,953	2,226	2,516	2,749	3,033
State and local government	614	867	1,031	1,133	1,262	1,399	1,561	1,750	2,072	2,364	2,621	2,823	3,106
Average semi-private room charge (Jan. 1) [2]	(NA)	(NA)	(NA)	(NA)	(NA)	**105**	**115**	**127**	**144**	**166**	**185**	**203**	**213**

NA Not available. [1] For explanation of annual percent change, see Guide to Tabular Presentation. Average change from prior year shown. For 1970, change from 1965. [2] Source: See footnote 1, table 159. Charge for 1986 was $227.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

Digitized by Google

No. 159. Average Daily Hospital Room Charges, 1980 to 1987, and Average Cost to Community Hospitals per Patient, 1980 and 1985—States

[In dollars. Average daily room charges cover non-governmental short-term general hospitals and represent average cost to patient for a semi-private room. See headnote, table 158]

State	Average daily room charge [1]			Average cost per day		Average cost per stay		State	Average daily room charge [1]			Average cost per day		Average cost per stay	
	1980	1985	1987	1980	1985	1980	1985		1980	1985	1987	1980	1985	1980	1985
U.S	127	213	244	245	460	1,851	3,245	MO	107	185	209	230	457	1,848	3,383
AL	96	162	186	209	389	1,459	2,653	MT	113	203	221	160	312	1,321	2,858
AK	189	274	372	408	693	2,276	3,742	NE	100	155	174	194	347	1,526	2,892
AZ	106	193	259	290	591	2,013	3,547	NV	125	241	227	343	677	2,201	3,953
AR	86	141	154	185	381	1,172	2,292	NH	125	199	219	203	422	1,432	2,644
CA	161	281	327	362	654	2,395	4,050	NJ	146	183	215	212	400	1,850	2,914
CO	124	212	243	247	486	1,760	3,221	NM	115	192	227	263	501	1,549	2,837
CT	127	206	247	271	502	2,039	3,610	NY	157	224	262	257	419	2,469	3,930
DE	125	214	279	238	474	1,937	3,357	NC	87	139	151	167	356	1,397	2,416
DC	170	274	374	358	612	3,189	4,962	ND	93	176	186	177	322	1,526	2,916
FL	109	182	208	247	494	1,803	3,381	OH	139	229	253	241	493	1,907	3,428
GA	92	151	160	216	386	1,380	2,501	OK	101	165	177	239	455	1,527	2,614
HI	127	231	267	245	420	1,868	3,522	OR	133	230	263	277	549	1,671	2,679
ID	110	199	223	208	373	1,251	2,402	PA	132	256	294	234	468	1,947	3,412
IL	144	247	279	277	498	2,183	3,607	RI	136	205	248	260	447	2,162	3,432
IN	107	184	208	214	446	1,620	2,942	SC	80	140	156	186	358	1,367	2,508
IA	107	179	194	199	359	1,465	2,735	SD	96	162	174	189	282	1,265	2,442
KS	104	184	213	207	401	1,592	2,954	TN	91	142	170	204	397	1,427	2,709
KY	92	176	199	189	367	1,268	2,323	TX	91	159	184	226	461	1,491	2,799
LA	89	156	188	233	475	1,492	2,842	UT	112	169	244	271	556	1,462	2,799
ME	124	209	222	217	394	1,707	2,870	VT	116	211	257	183	343	1,472	2,705
MD	119	187	219	251	443	2,136	3,237	VA	101	164	180	211	399	1,647	2,862
MA	151	229	262	294	500	2,578	4,194	WA	125	229	266	262	546	1,502	3,062
MI	151	270	296	267	507	2,087	3,666	WV	110	164	184	195	399	1,393	2,520
MN	105	188	228	203	369	1,616	3,302	WI	104	167	174	216	392	1,765	2,974
MS	67	114	125	174	319	1,176	2,037	WY	96	166	179	242	367	1,189	2,357

[1] As of January. Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, 1985, and *Survey of Semi-Private Room Charges*, semiannual.

Source: Except as noted, American Hospital Association, Chicago, IL, *Hospital Statistics*, annual (copyright); and unpublished data.

No. 160. Hospital Discharges and Days of Care, by Sex, Age, and Diagnosis: 1985

[See headnote, table 154]

Age and first-listed diagnosis	Discharges		Days of care per 1,000 persons [1]	Average stay (days)
	Number (1,000)	Per 1,000 persons [1]		
MALE				
All ages [2]	**14,160**	**123.5**	**848.7**	**6.9**
Diseases of heart	1,910	16.7	116.0	7.0
Malignant neoplasms	892	7.8	71.1	9.1
Fractures, all sites	550	4.8	36.7	7.7
Pneumonia	433	3.8	29.5	7.8
Cerebrovascular disease	416	3.6	36.2	10.0
Under 15 years [2]	1,698	63.6	287.5	4.5
Acute respiratory infection	138	5.2	17.2	3.3
Pneumonia	115	4.3	18.1	4.2
Bronchitis, emphysema [3]	110	4.1	13.7	3.3
Congenital anomalies	101	3.8	20.5	5.4
Chronic disease of tonsils and adenoids	92	3.5	5.1	1.5
15–44 years [2]	4,153	75.4	458.9	6.1
Fractures, all sites	290	5.3	34.7	6.6
Psychosis	204	3.7	47.4	12.6
Alcohol dependence syndrome	195	3.5	38.8	11.0
Diseases of heart	165	3.0	16.6	5.5
Intervertebral disc disorders	161	2.9	18.7	6.4
45–64 years [2]	3,776	176.2	1,219.9	6.9
Diseases of heart	784	36.6	237.4	6.5
Malignant neoplasms	281	13.1	119.6	9.1
Inguinal hernia	110	5.1	15.3	3.0
Cerebrovascular disease	107	5.0	50.7	10.2
Intervertebral disc disorders	96	4.6	32.6	7.2
65 years and older [2]	4,533	393.2	3,315.0	8.4
Diseases of heart	953	82.6	626.9	7.6
Malignant neoplasms	512	44.4	418.4	9.4
Cerebrovascular disease	289	25.1	249.7	9.9
Pneumonia	199	17.3	172.6	10.0
Hyperplasia of prostate	179	15.5	103.5	6.7
FEMALE				
All ages [2]	**20,896**	**170.7**	**1,053.3**	**6.2**
Delivery	3,854	31.5	103.3	3.3
Diseases of heart	1,674	13.7	104.5	7.6
Malignant neoplasms	1,019	8.3	72.3	8.7
Fractures, all sites	579	4.7	46.2	9.8
Cerebrovascular disease	500	4.1	44.5	10.9
Under 15 years [2]	1,274	50.2	232.9	4.6
Chronic disease of tonsils and adenoids	94	3.7	6.0	1.6
Pneumonia	91	3.6	16.4	4.6
Acute respiratory	91	3.6	11.3	3.2
Bronchitis, emphysema [3]	65	2.6	9.0	3.5
Noninfectious enteritis and colitis	59	2.3	6.6	2.9
15–44 years [2]	9,813	173.4	744.3	4.3
Delivery	3,838	67.8	222.4	3.3
Pregnancy w/abortive outcome	378	6.7	14.4	2.2
Inflammatory disease of female pelvic organs	210	3.7	17.7	4.8
Benign neoplasms	194	3.4	17.2	5.0
Psychosis	192	3.4	52.3	15.4
45–64 years [2]	3,834	183.4	1,168.1	7.1
Diseases of heart	420	17.9	120.5	6.7
Malignant neoplasms	367	15.6	129.6	8.3
Benign neoplasms	120	5.1	32.0	6.3
Cholelithiasis	103	4.4	30.9	7.1
Fractures, all sites	96	4.1	29.6	7.3
65 years and over [2]	5,975	351.4	3,147.1	9.0
Diseases of heart	1,158	68.1	551.3	8.1
Malignant neoplasms	478	28.1	280.6	10.0
Cerebrovascular disease	396	23.3	249.3	10.7
Fractures, all sites	328	19.3	232.5	12.1
Pneumonia	201	11.8	116.9	9.9

[1] See footnote 1, table 154. [2] Includes other first-listed diagnoses, not shown separately. [3] Includes asthma.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 13, and unpublished data.

Digitized by Google

No. 161. Nursing and Related Care Facilities: 1971 to 1986

ITEM	Unit	1971	1973	1975	1976	1978	1980	1982	1984	1985	1986
Nursing and related care: [1]											
Facilities	Number	22,004	21,834	(NA)	20,468	[2] 18,722	[2] 23,065	[4] 25,849	(NA)	(NA)	[4] 25,646
Beds	1,000	1,202	1,326	(NA)	1,415	[2] 1,349	[2] 1,537	[4] 1,642	(NA)	(NA)	[4] 1,709
Resident patients	1,000	1,076	1,198	(NA)	1,293	[2] 1,240	[2] 1,396	[4] 1,493	(NA)	(NA)	[4] 1,553
Employees, full-time	1,000	568	636	(NA)	653	[2] 664	[2] 798	(NA)	(NA)	(NA)	(NA)
Per 1,000 patients	Rate	528	531	(NA)	505	[2] 535	[2] 571	(NA)	(NA)	(NA)	(NA)
Skilled nursing facilities [3]	Number	4,277	3,970	3,926	3,922	4,745	5,052	5,408	5,952	6,451	6,897
Beds	1,000	307	287	287	309	408	436	488	530	(NA)	(NA)
Per 1,000 Medicare enrollees [5]	Rate	15.1	13.5	13.0	13.7	17.3	17.7	19.1	19.9	(NA)	(NA)

NA Not available. [1] Covers nursing homes with 3 beds or more and all other places providing some form of nursing, personal, or domiciliary care; standards vary widely among States. Includes skilled nursing facilities. 1971–1985 based on National Master Facility Inventory. Some changes in data beginning 1976 may be due to dependence on State collection. 1986 data based on the 1986 Inventory of Long-Term Care Places. Data may not be strictly comparable with previous year data. [2] Includes 1976 data for California, District of Columbia, New York, and North Carolina. [3] Excludes hospital-based nursing homes and includes 1976 data for Alaska and South Dakota. [4] Excludes hospital-based nursing homes. [5] Source: Through 1976, U.S. Social Security Administration, *Health Insurance Statistics* and unpublished data. Beginning 1978, U.S. Health Care Financing Administration, *Medicare Participating Providers and Suppliers of Health Services, 1980;* and unpublished data. Covers facilities and beds certified for participation under Medicare as of mid-year. Includes facilities which have transfer agreements with one or more participating hospitals, and are engaged primarily in providing skilled nursing care and related services for the rehabilitation of injured, disabled, or sick persons. [6] Based on number of aged persons residing in United States who were enrolled in the Medicare hospital insurance program as of July 1 of year stated.

Source: Except as noted, U.S. National Center for Health Statistics, *Health Resources Statistics*, annual through 1976 and 1976, 1982, *Advance Data from Vital and Health Statistics*, No. 111 and unpublished data.

No. 162. Nursing and Related Care Facilities—Selected Characteristics: 1986

[Excludes hospital-based nursing homes. Based on the 1986 Inventory of Long-Term Care Places. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	TOTAL FACILITIES			NURSING HOMES [1]			RESIDENTIAL FACILITIES [2]		
	Homes	Beds (1,000)	Average number of beds	Homes	Beds (1,000)	Average number of beds	Homes	Beds (1,000)	Average number of beds
Total	**25,646**	**1,709.2**	**67**	**16,388**	**1,507.4**	**92**	**9,258**	**201.8**	**22**
Northeast	4,863	373.8	77	2,948	317.5	108	1,915	56.3	29
Midwest	7,474	539.8	72	5,393	506.7	94	2,081	33.1	16
South	7,311	518.5	71	5,008	464.0	93	2,303	52.5	23
West	5,998	279.1	47	3,039	219.2	72	2,959	59.9	20
Government	1,045	106.6	102	789	99.7	126	256	6.6	27
Proprietary	20,223	1,235.4	61	12,336	1,079.0	87	7,887	156.5	20
Nonprofit	4,378	367.2	84	3,263	328.7	101	1,115	38.5	35
3–9 beds	5,918	32.6	6	1,340	7.2	5	4,578	25.5	6
10–24 beds	3,695	58.1	16	1,069	18.2	17	2,626	39.9	15
25–49 beds	3,135	115.5	37	2,061	77.6	38	1,074	37.6	35
50–74 beds	3,470	208.7	60	3,037	182.7	60	433	26.0	60
75–99 beds	2,526	221.6	88	2,335	205.4	88	191	16.3	85
100–199 beds	5,755	756.2	131	5,468	717.6	131	287	38.6	135
200–299 beds	858	198.2	231	804	186.1	231	54	12.1	225
300–499 beds	239	84.9	355	225	80.1	356	14	4.6	340
500 beds or more	50	33.4	667	49	32.3	659	1	1.1	1,050
Certification:									
Medicare or Medicaid (skilled nursing facility) [3]	8,045	984.1	122	8,045	984.1	122	–	–	–
Medicaid (intermediate care facility) [3]	5,375	411.5	77	5,375	411.5	77	–	–	–
Not certified nursing home	2,968	111.8	38	2,968	111.8	38	–	–	–
Residential facilities	9,258	201.6	22	(x)	(x)	(x)	9,258	201.6	22

– Represents zero. X Not applicable. [1] These facilities have three or more beds and provide to adults who require it either (a) nursing care or (b) personal care (such as help with bathing, eating, using toilet facilities, or dressing) and/or supervision over such activities as money management, walking, and shopping. [2] These facilities offer no nursing services and provide only personal care or supervisory care. [3] Facilities certified as both skilled nursing facilities and intermediate care facilities have been classified as skilled nursing facilities.

Source: U.S. National Center for Health Statistics, unpublished data.

Digitized by Google

No. 163. Nursing Home Residents—Living Arrangements Prior to Admission, Source of Payment, and Dependency Status, by Age and Sex: 1985

[For civilian population 65 years and over. Based on the 1985 National Nursing Home Survey conducted from August 1985 through January 1986. Based on sample and subject to sampling variation; see source for details]

ITEM	Total	AGE			SEX	
		65–74 years	75–84 years	85 years and over	Male	Female
All residents (1,000)	**1,315.8**	**212.1**	**509.0**	**594.7**	**334.0**	**981.9**
LIVING ARRANGEMENTS—PERCENT DISTRIBUTION						
Total [1]	100.0	100.0	100.0	100.0	100.0	100.0
Private or semiprivate residence [1]	40.0	29.2	40.5	43.3	38.3	41.2
Alone	14.7	8.2	14.7	17.0	11.6	15.8
With family members	18.9	16.0	19.8	19.2	19.3	18.8
Another health facility [1]	57.0	67.7	56.5	53.8	60.4	55.9
Another nursing home	12.2	12.9	12.8	11.5	13.1	11.8
General or short-stay hospital [2]	38.7	39.5	38.2	38.9	35.2	40.0
PRIMARY SOURCE OF PAYMENT—PERCENT DISTRIBUTION						
Total [1] [3]	100.0	100.0	100.0	100.0	100.0	100.0
Own income or family support	49.8	39.0	51.2	52.4	50.9	49.5
Medicare	4.9	4.7	5.2	4.6	4.8	4.9
Medicaid payment for—						
Skilled nursing	13.9	13.9	13.5	14.3	11.9	14.8
Intermediate care	26.2	31.5	25.3	25.1	23.7	27.0
DEPENDENCY STATUS						
Average number of dependencies	3.9	3.4	3.8	4.2	3.6	4.0
Percent of nursing home population requiring assistance in—						
Bathing	91.2	84.8	90.3	94.1	86.9	92.6
Dressing	77.7	70.2	75.9	81.9	71.5	79.7
Using toilet room	63.3	56.6	60.3	68.2	56.2	65.7
Transferring [4]	62.7	52.1	59.7	69.0	55.3	65.2
Eating	40.4	33.4	39.1	44.0	34.8	42.3
Continence	54.5	42.9	55.0	58.1	51.9	55.3

[1] Includes other living arrangements and payment sources, not shown separately. [2] Excludes psychiatric units of hospitals. [3] For persons who were residents for one month or more. [4] Getting in or out of a bed or a chair.

Source: U.S. National Center for Health Statistics, *Use of Nursing Homes by the Elderly: Preliminary Data from the 1985 National Nursing Home Survey, Advance Data*, No. 135, May 1987.

No. 164. Residential Facilities for the Mentally Retarded: 1960 to 1985

[For years ending June 30. Mentally retarded people refers to those who have been so designated by State governments in the process of placing them into residential facilities]

ITEM	STATE-OPERATED FACILITIES [1]							PRIVATE FACILITIES [2]	
	1960	1965	1970	1975	1980 [2]	1984 [2]	1985 [2]	1977	1982
Number of facilities [3]	106	143	190	210	394	878	881	10,219	14,605
Resident patients, beginning of year	158,682	181,549	189,956	166,689	148,734	120,745	117,101	(NA)	(NA)
Admissions [4]	14,701	17,300	14,985	13,424	14,064	7,700	7,713	22,363	22,431
Deaths in institutions	3,202	3,583	3,498	2,752	2,142	1,623	1,537	991	920
Live releases [5]	6,451	7,993	14,702	18,320	16,225	10,223	10,310	12,384	12,999
Resident patients, end of year	163,730	187,273	186,743	159,041	140,230	116,518	112,163	89,120	115,032
Rate per 100,000 population [7]	91.9	97.7	92.5	74.4	62.2	49.1	46.8	41.2	49.7
Average daily resident patients	163,262	189,172	187,897	161,061	136,304	115,890	111,791	(NA)	(NA)
Maintenance expenditures per day per average daily resident patient (dollars) [8]	5	6	13	31	68	113	122	[9] 19	[9] 37

NA Not available. [1] Data as submitted by many State agencies; figures reflect some estimates. Resident patients at the end of a year do not equal the number at the beginning of a succeeding year. Includes estimates for underreporting. [2] Includes data for 142 facilities in 1980, 119 facilities in 1984, and 121 facilities in 1985, operated as mental hospitals or other care facilities and which have at least 10 mentally retarded residents. The average daily number of mentally retarded residents in these facilities was 8,240 in 1980; 5,878 in 1984; and 5,602 in 1985. [3] A privately-operated living quarter which provides 24-hour, 7-days-a-week responsibility for room, board, and supervision of mentally retarded persons. Excludes single-family homes providing services to a relative; nursing homes, boarding homes and foster homes not formally licensed or contracted as mental retardation service providers; and independent living programs which have no staff residing in facility. [4] Beginning 1984, reflects the development of a large number of community based State-operated facilities which were developed in the early 1980's. [5] Includes readmissions and excludes transfers. [6] 1960–1975, represents excess of patients released alive from hospital over those returning to hospital. Beginning 1980, total live releases. [7] Based on Bureau of the Census estimated civilian population as of July 1. [8] Reporting facilities only; includes salaries and wages, purchased provisions, fuel, light, water, etc. [9] Represents average daily reimbursement rate per resident.

Source: State-operated facilities: U.S. Office of Human Development Services, *Residents in Public Institutions for the Mentally Retarded*, annual through 1970, and unpublished data; 1980, Krantz, Clumpner, Rotegard, and Bruininks, *Mentally Retarded People in State-Operated Residential Facilities: Year Ending June 30, 1980*; 1984 and 1985, Lakin, Hill, Street, and Bruininks, *Persons with Mental Retardation in State-Operated Residential Facilities: Years Ending June 30, 1984* and *June 30, 1985*, University of Minnesota, Minneapolis, MN. Private facilities: Hill, Lakin, and Bruininks, *Trends in Residential Services for Mentally Retarded People: 1977-1982*.

Digitized by Google

No. 165. Mental Health Facilities—Summary by Type of Facility: 1980 to 1986

[Facilities and beds as of January; inpatients as of yearend; other data are for calendar year or fiscal year ending in a month other than December since facilities are permitted to report on either a calendar or fiscal year basis. Excludes private psychiatric office practice and psychiatric service modes of all types in hospitals or outpatient clinics of Federal agencies other than Veterans Administration]

Item and year	Unit	Total	Mental hospitals		General hospitals [2]	Veterans Administration [3]	Community mental health centers [4]	Freestanding psychiatric outpatient clinics	All other [5]
			State and county	Private [1]					
Number of facilities:									
1980	Number	3,727	280	552	[6] 923	[6] 136	[7] 691	1,053	92
1982	Number	4,302	277	550	[6] 1,531	129	(*)	[6] 1,473	[6] 342
1984	Number	4,438	277	542	[6] 1,347	139	(*)	[6] [8] 792	[6] [8] 1,341
1986	Number	4,579	286	596	[6] [10] 1,347	[10] 139	(*)	[6] [8] 750	[6] [8] 1,46
Inpatient beds:									
1980	1,000	274.7	156.5	37.4	[6] 29.4	[6] 33.8	[7] 16.3	(x)	1
1982	1,000	247.3	140.1	37.5	[6] 36.5	24.8	(*)	(x)	[6] 8
1984	1,000	252.5	128.8	37.1	[6] 46.0	23.5	(*)	(x)	[6] [8] 17
1986	1,000	257.0	124.8	44.8	[6] [10] 46.0	[10] 23.5	(*)	(x)	[6] [8] 18
Per 100,000 population: [11]									
1980	Rate	124.3	70.2	16.8	[6] 13.7	[6] 15.7	[7] 7.3	(x)	
1984	Rate	108.5	55.4	16.0	[6] 19.8	10.1	(*)	(x)	[6] [8]
1986	Rate	108.5	52.3	18.9	[6] [10] 19.8	[10] 10.1	(*)	(x)	[6] [8]
Inpatients:									
1981	1,000	214.1	125.2	31.9	[6] 28.7	21.0	(*)	(x)	[6]
1983	1,000	224.1	118.8	31.9	[6] 32.1	20.2	(*)	(x)	[6] [8]
1985	1,000	221.4	115.9	36.9	[6] [12] 32.1	[12] 20.2	(*)	(x)	[6] [8]
Per 100,000 population: [11]									
1983	Rate	96.4	50.3	13.7	[6] 13.8	8.7	(*)	(x)	[6]
1985	Rate	90.2	49.1	8.8	[6] [12] 13.8	[12] 8.7	(*)	(x)	[6]
Average daily inpatients:									
1981	1,000	211.0	122.1	32.1	[6] 29.3	20.8	(*)	(x)	
1983	1,000	219.1	116.2	32.3	[6] [12] 29.3	20.3	(*)	(x)	[6]
Inpatient care episodes: [14]									
1981	1,000	1,720	499	211	[6] 677	206	(*)	(x)	
1983	1,000	1,854	453	213	[6] 820	171	(*)	(x)	[6]
1985	1,000	1,820	458	226	[6] [12] 820	[12] 171	(*)	(x)	[6]
Per 100,000 population: [11]									
1983	Rate	796	195	92	[6] 351	73	(*)	(x)	
1985	Rate	775	193	95	[6] [12] 351	[12] 73	(*)	(x)	
Total expenditures:									
1981	Mil. dol	(NA)	4,493	1,643	[6] 2,033	(NA)	(*)	[6] 1,554	
1983	Mil. dol	14,432	5,491	2,285	[6] 2,176	1,316	(*)	[6] [8] 430	[6]
1985	Mil. dol	15,323	5,673	2,538	[6] [10] 2,176	[12] 1,316	(*)	[6] [8] 405	[6]
Constant (1969) dollars: [13]									
1983	Mil. dol	4,583	1,743	725	[6] 693	418	(*)	[6] [8] 136	
1985	Mil. dol	4,438	1,596	714	[6] [12] 693	[12] 418	(*)	[6] [8] 114	
Constant (1969) dollars per capita: [11] [13]									
1983	Dollars	19.72	7.50	3.12	[6] 2.98	1.80	(*)	[6] [8] .59	
1985	Dollars	18.83	6.73	3.02	[6] [12] 2.98	[12] 1.80	(*)	[6] [8] .48	
Patient care staff:									
1980	1,000	(NA)	128.8	38.0	(NA)	(NA)	[12] 45.4		18.7
1982	1,000	(NA)	124.2	40.4	(NA)	(NA)	(*)		[6] 48.1
1984	1,000	283.2	123.5	47.9	(NA)	23.2	(*)		[6] [8] 16.0

NA Not available. X Not applicable.

[1] Includes residential treatment centers for emotionally disturbed children. [2] Non-Federal hospitals with separate services. [3] Includes Veterans Administration (VA) neuropsychiatric hospitals, VA general hospitals with separate settings and VA freestanding psychiatric outpatient clinics. [4] Federally funded. [5] Other multiservice mental he with an inpatient setting which are not elsewhere classified. Number of facilities, expenditures, and staff data freestanding psychiatric day/night facilities. [6] 1978 data. [7] As of February 1981.

[8] As a result of the shift in funding of the community mental health center (CMHC) program from categorical to bloc category CMHC was dropped in 1981. Organizations which had been classified as federally funded CMHCs in previou reclassified as multiservice mental health organizations, freestanding psychiatric outpatient clinics, or as psychiatric Federal general hospitals, depending on the types of services they directly operated and controlled.

[9] For prior years an organization had to have either inpatient or residential treatment services in combination with to be a "multiservice mental health organization." Beginning in 1983, any organization which provides services in an of two or more settings (e.g. outpatient plus partial care, residential treatment plus outpatient plus partial care) an hospital nor a residential treatment center for emotionally disturbed children is classified as a multiservice organization. Therefore, a number of freestanding psychiatric outpatient clinics were reclassified as multiservice organizations. [10] 1984 data. [11] Based on Bureau of the Census estimated civilian population as of July 1.

[12] 1981 data. [14] "Inpatient care episodes" is defined as the number of residents in inpatient facilities at the be year plus the total additions to inpatient facilities during the year. [13] Based on the medical care component of price index published by the U.S. Bureau of Labor Statistics; see table 138.

Source: U.S. National Institute of Mental Health, *Statistical Note* series, and unpublished data.

Digitized by Google

No. 166. Days of Disability, by Type and Selected Characteristics: 1970 to 1985

Covers civilian noninstitutional population. Beginning 1982, the levels of estimates may not be comparable to estimates for 1970–1980 because the later data are based on a revised questionnaire and field procedures, for further information, see source. Based on National Health Interview Survey; see Appendix III. For composition of regions, see fig. I, inside front cover]

ITEM	TOTAL DAYS OF DISABILITY (millions)						DAYS PER PERSON					
	1970	1980	1982	1983	1984	1985	1970	1980	1982	1983	1984	1985
Restricted-activity days [1]	2,913	4,165	3,253	3,318	3,427	3,453	14.6	19.1	14.3	14.5	14.8	14.8
Male	1,273	1,802	1,373	1,365	1,454	1,442	13.2	17.1	12.5	12.3	13.0	12.8
Female	1,640	2,363	1,880	1,953	1,973	2,011	15.8	21.0	18.0	16.5	16.5	16.8
White [2]	2,526	3,518	2,746	2,813	2,905	2,899	14.4	18.7	14.2	14.3	14.7	14.5
Black [2]	365	580	438	452	461	489	18.2	22.7	18.3	16.6	16.6	17.4
Hispanic [3]	(NA)	(NA)	(NA)	(NA)	229	228	(NA)	(NA)	(NA)	(NA)	12.9	13.2
Under 65 years	2,331	3,226	2,451	2,487	2,587	2,557	12.9	16.6	12.2	12.2	12.6	12.4
65 years and over	582	937	803	831	840	895	30.7	39.2	31.8	32.1	31.8	33.1
Northeast	709	862	669	716	700	689	14.5	17.9	13.5	14.8	13.9	13.8
Midwest	691	989	754	762	799	744	12.4	17.2	12.8	12.9	13.4	12.7
South	996	1,415	1,146	1,184	1,232	1,308	15.9	19.8	15.4	15.6	16.0	16.3
West	518	899	684	657	696	712	15.6	22.0	15.6	14.5	15.5	15.7
Family income: [4]												
Under $5,000	982	762	443	397	377	349	23.3	37.5	28.4	24.7	25.3	26.0
$5,000–$9,999	657	804	587	616	576	544	12.8	25.8	22.4	23.7	23.8	25.8
$10,000–$14,999	539	636	444	439	432	397	11.5	19.4	16.0	17.5	17.6	17.9
$15,000–$24,999	257	803	661	640	687	683	11.0	15.1	12.3	12.3	13.8	14.3
$25,000 and over	74	784	787	821	942	1,061	10.7	12.7	9.8	10.0	10.8	10.8
Bed-disability days [5]	1,222	1,520	1,445	1,530	1,508	1,436	6.1	7.0	6.4	6.7	6.5	6.1
Male	503	616	592	632	624	583	5.2	5.9	5.4	5.7	5.6	5.2
Female	720	904	853	898	884	852	6.9	8.0	7.3	7.6	7.4	7.1
Under 65 years	959	1,190	1,071	1,097	1,110	1,064	5.3	6.1	5.3	5.4	5.4	5.1
65 years and over	263	330	373	433	398	371	13.8	13.8	14.7	16.7	15.1	13.7
Work-loss days [6]	417	485	453	419	512	575	5.4	5.0	4.6	4.2	4.9	5.3
Male	243	271	225	207	259	287	5.0	4.9	4.0	3.7	4.4	4.8
Female	175	215	227	212	254	288	5.9	5.1	5.3	4.9	5.6	6.0
School-loss days [7]	222	204	214	225	227	217	4.9	5.3	4.7	5.0	5.1	4.8
Male	108	95	103	107	108	100	4.7	4.8	4.4	4.7	4.8	4.4
Female	114	109	112	118	119	117	5.1	5.7	5.0	5.4	5.4	5.3

NA Not available

[1] A day when a person cuts down on his usual activities for the whole day because of illness or injury. Includes bed-disability, work-loss, and school-loss days. Total includes other items not shown separately.

[2] Beginning 1980 race was determined by asking the household respondent to report his race. In earlier years the racial classification of respondents was determined by interviewer observation.

[3] Hispanic persons may be of any race.

[4] Excludes those with unknown income.

[5] A day when a person was kept in bed either all or most of the day because of illness or injury. Includes those work-loss and school-loss days actually spent in bed.

[6] A day when a person lost the entire workday because of illness or injury. Computed for persons 17 years of age and over beginning 1982, 18 years of age and over) in the currently employed population, defined as those who were working or had a job or business from which they were not on layoff during the 2-week period preceding the week of interview.

[7] Child's loss of entire school day because of illness or injury. Computed for children 6–18 years of age. Beginning 1982, children 5–17 years old.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10; and unpublished data.

No. 167. Persons Injured, by Sex, 1970 to 1985, and by Age and Place, 1985

Covers civilian noninstitutional population and comprises incidents leading to restricted activity and/or medical attention. 1975 and beginning 1982, data not strictly comparable with other years. See headnote, table 166. Based on National Health Interview Survey; see Appendix III]

YEAR	PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female
1970	56.0	31.8	24.2	28.0	33.0	23.3
1975	71.9	39.4	32.5	34.4	39.1	30.0
1976	65.4	37.1	28.3	31.1	36.5	26.0
1977	73.9	42.3	31.6	34.8	41.3	28.8
1978	67.5	38.1	29.4	31.8	36.9	26.6
1979	69.1	40.2	28.9	32.0	38.6	25.9
1980	68.1	39.0	29.1	31.2	37.1	25.8
1981	70.3	40.1	30.2	31.2	36.9	25.9
1982	60.0	32.4	27.6	26.4	29.6	23.4
1983	61.1	33.0	28.1	26.8	29.8	23.7
1984	61.1	33.7	27.4	26.4	30.1	22.9

AGE AND PLACE	PERSONS INJURED (millions)			RATE PER 100 POPULATION		
	Total	Male	Female	Total	Male	Female
1985, total [1]	**62.6**	**34.6**	**28.0**	**26.8**	**30.6**	**23.1**
Under 6 years	6.3	2.8	3.5	29.1	25.3	33.0
6–16 years	12.7	7.7	5.0	33.8	40.0	27.3
17–44 years	31.4	19.3	12.1	30.5	38.3	23.0
45–64 years	7.4	3.6	3.8	18.6	17.1	16.2
65 years and over	4.8	1.2	3.6	17.8	11.1	22.5
Home	21.8	9.7	11.9	9.3	8.6	9.9
Street or highway	7.1	3.6	3.5	3.1	3.2	2.9
Industrial	8.0	5.8	2.2	3.4	5.1	1.8
Other	17.1	12.0	5.0	7.3	10.7	4.2

[1] Includes unknown place of accident, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

Digitized by Google

No. 168. Percent of Children Immunized Against Specified Diseases, by Age-Group: 1980 to 1985

[Covers civilian noninstitutional population. Data are estimates from the Immunization Survey which is a supplemental questionnaire submitted to a subsample of households interviewed for the Current Population Survey (see text, section 1 and Appendix III). Subject to sampling variability; see source]

Disease	All respondents									Respondents consulting records,[1] 1985	
	1–4 years old					5–14 years old					
	1980, total	1984, total	1985			1980, total	1984, total	1985		1–4 years old	5–14 years old
			Total	White	Black and other			Total	White	Black and other		
Diphtheria-tetanus-pertussis [2]	66.3	65.7	64.9	66.7	48.7	74.0	73.6	73.7	76.0	64.0	87.0	93.0
Polio [3]	58.8	54.8	55.3	58.9	40.1	70.0	70.2	69.7	72.6	57.5	75.7	86.4
Measles	63.5	62.6	60.8	63.6	48.8	71.0	73.5	71.5	73.8	62.6	76.9	87.6
Rubella	63.5	60.9	58.9	61.6	47.7	74.0	72.4	70.2	72.3	61.4	73.8	85.3
Mumps	56.6	58.7	58.9	61.8	47.0	63.2	70.9	71.8	73.6	63.2	75.5	87.1

[1] Data are based only on the 29 percent of White respondents and the 15 percent of Black and other respondents who consulted records for some or all vaccination questions. [2] Three or more doses.

Source: U.S. Centers for Disease Control, Atlanta, GA, *United States Immunization Survey*, annual.

No. 169. Specified Reportable Diseases—Cases Reported: 1960 to 1986

[Figures should be interpreted with caution. Although reporting of some of these diseases is incomplete, the figures are of value in indicating trends of disease incidence. Includes cases imported from outside the U.S. See *Historical Statistics, Colonial Times to 1970*, series B 291–303, for related data]

Disease	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986 [1]
AIDS [2]	(NA)	(NA)	(NA)	(NA)	199	744	2,117	4,445	8,249	13,008
Amebiasis	3,424	2,888	2,775	5,271	6,632	7,304	6,658	5,252	4,433	(NA)
Aseptic meningitis	1,593	6,480	4,475	6,028	9,547	9,680	12,896	8,326	10,619	10,748
Botulism [3]	12	12	20	89	103	97	133	123	122	91
Brucellosis (undulant fever)	751	213	310	183	185	173	200	131	153	90
Chickenpox (1,000)	(*)	(*)	154.2	190.9	200.8	167.4	177.5	222.0	176.2	(NA)
Diphtheria	916	435	307	3	5	2	5	1	3	-
Encephalitis:										
Primary infectious [4]	2,341	1,580	4,064	1,362	1,492	1,464	1,761	1,257	1,376	1,233
Post infectious [5]		370	237	40	43	36	34	108	161	99
Hepatitis: B (serum) (1,000)	41.7	6.3	13.1	19.0	21.2	22.2	24.3	26.1	26.6	25.9
A (infectious) (1,000)		56.6	35.9	29.1	25.6	23.4	21.5	22.0	23.2	23.1
Unspecified (1,000)	(*)	(*)	7.2	11.9	11.0	8.6	7.1	5.5	5.5	4.4
Non-A, non-B (1,000)	(*)	(*)	(*)	(*)	(*)	2.6	3.5	3.9	4.2	3.5
Legionellosis	(*)	(*)	(*)	(*)	(*)	654	852	750	830	833
Leprosy	54	129	162	223	256	250	259	290	361	254
Leptospirosis	53	47	93	85	82	100	81	40	57	40
Malaria	72	3,051	373	2,062	1,388	1,056	613	1,007	1,049	1,089
Measles (1,000)	441.7	47.4	24.4	13.5	3.1	1.7	1.5	2.6	2.8	6.3
Meningococcal infections	2,259	2,505	1,478	2,840	3,525	3,056	2,736	2,746	2,479	2,481
Mumps (1,000)	(*)	105.9	59.6	8.6	4.9	5.3	3.4	3.0	3.0	6.6
Pertussis [6] (1,000)	14.6	4.2	1.7	1.7	1.2	1.9	2.5	2.3	3.6	4.2
Plague	2	13	20	16	13	19	40	31	17	10
Poliomyelitis, acute	3,190	33	8	9	8	8	15	8	7	2
Psittacosis	113	35	49	124	136	152	142	172	119	95
Rabies, animal	3,567	3,224	2,627	6,421	7,118	6,212	5,878	5,567	5,565	5,297
Rabies, human	2	3	2	-	2	-	2	3	1	-
Rheumatic fever, acute [7]	9,022	3,227	2,854	432	264	137	88	117	90	(NA)
Rubella [8] (1,000)	(*)	56.6	16.7	3.9	2.1	2.3	1.0	1.0	.6	.5
Salmonellosis [9] (1,000)	6.9	22.1	22.8	33.7	40.0	40.9	44.3	40.9	65.3	(NA)
Shigellosis [10] (1,000)	12.5	13.6	16.6	19.0	19.9	18.1	19.7	17.4	17.1	(NA)
Streptococcal sore throat, scarlet fever (1,000)	315.2	433.4	[11] 330.6	[11] 370.0	[11] 342.2	[11] 259.7	[11] 214.0	(NA)	(NA)	(NA)
Tetanus	368	148	102	95	72	88	91	74	83	61
Toxic-shock syndrome	(*)	(*)	(*)	(*)	(*)	50	102	482	384	353
Trichinosis	160	109	252	131	206	115	45	68	61	35
Tuberculosis [12] (1,000)	55.5	37.1	34.0	27.7	27.4	25.5	23.8	22.3	22.2	22.6
Tularemia	390	172	129	234	288	275	310	291	177	167
Typhoid fever	816	346	375	510	584	425	507	390	402	323
Typhus fever:										
Flea-borne (endemic-murine)	68	27	44	81	81	58	62	53	37	48
Tick-borne (Rocky Mt. spotted fever)	204	380	844	1,163	1,192	976	1,126	838	714	755
Venereal diseases (civilian cases):										
Gonorrhea (1,000)	259	600	1,000	1,004	991	961	900	879	911	696
Syphilis (1,000)	122	91	80	69	73	76	75	70	68	(NA)
Other (1,000)	2.8	2.2	1.1	1.0	1.2	1.6	1.2	1.0	2.3	(NA)

- Represents zero. NA Not available [1] Preliminary. [2] Acquired immunodeficiency syndrome was not a notifiable disease until 1984. Figures are shown for years in which cases were reported to the CDC. [3] Beginning in 1975, includes foodborne, infant, wound, and unspecified cases. [4] Disease was not notifiable. [5] Beginning 1975, reported data reflect new diagnostic categories. [6] Whooping cough. [7] Based on reports from States: 37 in 1960 and 1980, 36 in 1975, 38 in 1970 and 1981, 35 in 1982–1984, and 31 in 1985. [8] German measles. [9] Excludes typhoid fever. [10] Bacillary dysentery. [11] Based on reports from States: 41 in 1975 and 1980; 40 in 1981; 36 in 1982; and 34 in 1983. [12] Newly reported active cases. New diagnostic standards introduced in 1975.

Source: U.S. Centers for Disease Control, Atlanta, GA, *Morbidity and Mortality Weekly Report* (annual supplements); 1986 data from vol. 35, No. 53, January 9, 1987.

Digitized by Google

No. 170. AIDS Cases Reported, by Patient Characteristic: 1981 to 1987

[Provisional. For cases reported in the year shown. Data are subject to retrospective changes and may differ from those data in table 169]

Characteristic	Number							Percent distribution		
	Total	1981–82	1983	1984	1985	1986	1987 [1]	1981–82	1985	1987 [1]
Total	**37,481**	**941**	**2,096**	**4,481**	**8,249**	**12,929**	**8,783**	**100.0**	**100.0**	**100.0**
Age:										
Under 13 years old	497	13	34	47	127	169	107	1.4	1.5	1.2
13–29 years old	7,998	214	467	972	1,716	2,770	1,859	22.7	20.8	21.2
30–39 years old	17,468	440	949	2,130	3,877	6,028	4,046	46.8	47.0	46.1
40–49 years old	7,807	204	454	935	1,710	2,645	1,859	21.7	20.7	21.2
50–59 years old	2,745	65	164	314	620	950	632	6.9	7.5	7.2
60 years old and over	966	5	30	83	199	369	280	.5	2.4	3.2
Sex:										
Male	34,741	879	1,941	4,169	7,669	11,922	8,141	93.4	93.0	92.7
Female	2,740	62	157	292	580	1,007	642	6.6	7.0	7.3
Race/ethnic group:										
White, non-Hispanic	22,963	548	1,202	2,716	5,040	7,793	5,664	58.4	61.2	64.7
Black, non-Hispanic	9,243	260	559	1,117	2,076	3,245	1,986	27.7	25.2	22.7
Hispanic	4,908	127	310	610	1,071	1,768	1,022	13.5	13.0	11.7
Other	367	6	27	38	62	123	111	.4	.6	.9
Leading States: [2]										
New York	10,889	466	675	1,589	2,504	3,794	1,661	49.5	30.4	18.9
California	8,784	189	489	1,031	1,982	2,656	2,437	20.1	24.0	27.6
Florida	2,553	68	153	314	552	840	626	7.2	6.7	7.1
Texas	2,512	20	88	251	486	939	728	2.1	5.9	8.3
New Jersey	2,211	64	137	280	471	773	486	6.6	5.7	5.5
Illinois	1,002	23	34	102	192	363	288	2.4	2.3	3.3
Pennsylvania	862	16	37	91	195	298	223	1.9	2.4	2.5
Massachusetts	799	13	33	87	165	279	222	1.4	2.0	2.5
Georgia	783	11	26	56	192	288	210	1.2	2.3	2.4
Percent of total	81.1	92.7	89.2	84.8	81.7	79.1	78.3	(x)	(x)	(x)

X Not applicable. [1] January 1 until late June. [2] Nine States with at least 200 cases reported from January through June 1987.

Source: U.S. Centers for Disease Control, Atlanta, GA, unpublished data.

No. 171. Acute Conditions, by Type, 1970 to 1985, and by Selected Characteristics, 1985

[Covers civilian noninstitutional population. Estimates include only acute conditions which were medically attended or caused at least one day of restricted activity. Based on National Health Interview Survey; see Appendix III. See headnote, table 166. For composition of regions, see fig. I, inside front cover]

Year and characteristic	Number of conditions (mil.)					Rate per 100 population				
	Infective and parasitic	Respiratory		Digestive system	Injuries	Infective and parasitic	Respiratory		Digestive system	Injuries
		Upper	Other				Upper	Other		
1970	48.2	127.3	92.5	23.0	59.2	24.1	63.7	46.3	11.5	29.6
1975	47.6	124.0	109.0	21.6	76.2	22.6	59.3	52.1	10.3	36.4
1978	52.9	126.4	121.1	22.9	70.7	24.7	59.1	56.6	10.7	33.1
1979	52.7	129.6	101.7	24.7	74.4	24.4	60.1	47.1	11.4	34.5
1980	53.8	124.2	129.0	24.9	72.7	24.6	57.0	59.2	11.4	33.4
1981	53.2	125.4	126.4	21.8	74.7	23.6	55.7	56.2	9.7	33.2
1982	42.6	93.1	87.9	14.8	61.8	18.8	41.0	38.7	6.5	27.2
1983	46.5	93.0	101.8	17.5	63.0	20.3	40.6	44.4	7.6	27.5
1984	46.5	88.0	117.4	17.5	62.8	20.1	38.0	50.7	7.6	27.1
1985, total [1]	**47.8**	**95.1**	**108.4**	**16.3**	**64.0**	**20.5**	**40.7**	**46.4**	**7.0**	**27.4**
Under 5 years old	9.1	17.1	10.4	1.6	5.4	50.5	95.0	57.6	8.9	30.0
5–17 years old	17.5	26.8	27.2	4.4	15.4	39.0	59.9	60.7	9.9	34.3
18–24 years old	4.8	11.2	11.6	2.7	9.6	17.7	40.7	42.4	9.9	35.1
25–44 years old	12.4	23.1	37.0	3.7	21.0	17.2	32.0	51.4	5.1	29.2
45–64 years old	2.7	11.4	15.6	2.4	7.7	6.0	25.5	35.1	5.5	17.2
65 years old and over	1.4	5.6	6.7	1.5	5.0	5.1	20.6	24.7	5.4	18.5
Male	20.5	41.6	48.1	6.9	35.1	18.2	36.9	42.6	6.1	31.1
Female	27.3	53.5	60.3	9.4	28.9	22.6	44.2	49.9	7.8	23.9
White	43.2	82.0	99.9	13.2	55.4	21.7	41.2	50.1	6.6	27.8
Black	4.2	10.8	8.6	2.7	6.7	14.9	38.5	24.3	9.7	23.6
Northeast	12.2	20.6	19.4	3.0	11.5	24.5	41.4	39.1	5.9	23.1
Midwest	8.4	23.7	28.9	3.7	15.3	14.4	40.5	49.3	6.2	26.1
South	20.8	30.4	29.3	6.1	21.8	26.0	37.9	36.6	7.6	26.9
West	6.4	20.4	30.8	3.6	15.6	14.1	45.1	68.0	7.9	34.8
Family income:										
Under $10,000	4.8	16.2	14.2	3.0	10.6	13.9	46.7	40.9	8.8	31.1
$10,000–$19,999	6.5	19.2	25.0	2.8	12.9	16.2	41.0	53.3	6.0	27.6
$20,000–$34,999	15.3	25.3	29.3	4.9	19.3	23.4	38.7	44.8	7.5	29.6
$35,000 or more	14.4	22.8	28.5	3.7	14.7	25.1	39.6	49.8	6.4	25.6

[1] Includes other races and unknown income, not shown separately.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

Digitized by Google

NO. 172. PERSONS WITH SELECTED CHRONIC CONDITIONS, BY AGE AND SEX: 1980 AND 1985

[See headnote, table 173]

CHRONIC CONDITION	1980		1985								
	Persons with condition (1,000)	Rate [1]	Persons with condition (1,000)	RATE [1]							
				Total	Under 18 yrs.	18–44 yrs.	45–64 yrs.	65–74 yrs.	75 yrs. and over	Male	Female
Heart conditions	16,434	75.4	19,295	82.6	21.2	40.1	129.0	276.8	349.1	78.5	86.4
High blood pressure (Hypertension)	24,919	114.3	29,249	125.1	[2] 2.3	64.1	258.9	426.8	394.8	114.8	134.6
Varicose veins of lower extremities	5,930	27.2	7,141	30.6	[2] .3	26.4	55.1	68.1	87.9	14.2	45.6
Hemorrhoids	8,616	39.5	10,359	44.3	[2] 1.4	54.7	71.0	66.7	53.9	40.2	48.2
Chronic bronchitis	7,869	36.1	11,618	49.7	55.5	40.5	54.3	67.0	55.9	38.3	60.3
Asthma	6,803	31.2	6,612	36.6	47.8	33.4	28.2	48.3	22.2	34.2	39.3
Chronic sinusitis	31,956	145.0	32,492	139.0	59.6	164.4	184.8	151.2	160.0	120.5	156.3
Hay fever, allergic rhinitis without asthma	17,433	80.0	19,642	84.0	50.3	111.2	90.2	50.8	55.0	77.0	90.6
Dermatitis, including eczema	9,138	41.9	9,105	39.0	44.5	44.2	28.4	27.3	19.8	31.6	45.9
Diseases of sebaceous glands [3]	5,046	23.2	6,238	26.7	29.4	37.5	12.1	[2] 8.1	[2] 2.2	23.5	29.7
Arthritis	27,773	127.4	30,060	128.6	[2] 2.2	52.1	268.5	459.3	494.7	89.7	164.9
Diabetes	5,665	26.0	6,134	26.2	[2] 1.9	9.1	51.9	108.9	95.5	24.0	28.3
Migraine	5,630	25.8	8,318	35.6	12.7	52.9	41.1	20.8	[2] 8.5	18.8	51.3
Diseases of urinary system	5,444	25.0	7,322	31.3	5.7	30.0	44.9	61.8	92.0	15.7	45.9
Visual impairments	7,984	36.6	8,496	36.4	10.8	32.8	43.7	76.4	128.8	47.6	25.8
Hearing impairments	17,370	79.7	21,198	90.7	19.2	49.8	159.0	261.9	346.9	107.4	75.1
Deformities or orthopedic impairments	18,504	84.9	26,314	112.6	33.2	125.3	160.6	187.9	175.5	108.7	116.2

[1] Rate per 1,000 persons. [2] Figure does not meet standards of reliability or precision. [3] Acne and sebaceous skin cyst.

Source: U.S. National Center for Health Statistics, unpublished data.

NO. 173. PERSONS WITH ACTIVITY LIMITATION, BY SELECTED CHRONIC CONDITIONS: 1980 AND 1985

[Covers civilian noninstitutional population. Conditions classified according to ninth revision of International Classification of Diseases. Based on National Health Interview Survey; see Appendix III. See headnote, table 166]

CONDITION	Total [1]	AGE			SEX		RACE		FAMILY INCOME		
		Under 45 years	45–64 years	65 years and over	Male	Female	White	Black	Under $20,000	$20,000 to $34,999	$35,000 and over
1980											
Persons with limitation (mil.)	31.4	18.2	10.4	10.8	15.5	15.9	27.1	3.9			
Percent limited by—											
Heart conditions	16.4	4.3	19.7	24.5	18.0	14.7	16.6	15.2			
Arthritis and rheumatism	17.5	5.4	20.0	26.5	11.0	23.7	17.4	18.3			
Hypertension [2]	9.9	3.3	13.2	13.1	7.7	12.1	8.6	19.2			
Impairment of back/spine	9.2	13.9	9.9	4.0	9.1	9.2	9.4	7.7	(NA)	(NA)	(NA)
Impairment of lower extremities and hips	8.0	10.7	7.2	6.4	9.0	7.1	8.1	7.2			
Percent of all persons with—											
No activity limitation	85.6	93.2	76.1	54.8	85.3	85.9	85.6	84.9			
Activity limitation	14.4	6.8	23.9	45.2	14.7	14.1	14.4	15.1			
In major activity	10.9	4.2	16.8	39.0	11.2	10.6	10.8	12.2			
1985											
Persons with limitation (mil.)	32.7	11.6	10.4	10.7	15.3	17.4	28.0	4.1	16.6	7.1	4.7
Percent limited by—											
Heart conditions	17.4	4.7	21.5	27.1	18.2	16.7	17.5	16.9	21.5	14.4	14.8
Arthritis and rheumatism	18.9	5.4	22.8	29.7	12.4	24.6	18.9	20.3	25.0	14.3	13.5
Hypertension [2]	10.5	2.9	15.2	14.2	7.9	12.8	9.0	21.3	15.1	7.0	5.3
Impairment of back/spine	9.2	12.5	10.4	4.4	8.9	9.4	9.4	7.0	9.1	11.0	10.5
Impairment of lower extremities and hips	8.9	10.7	8.2	7.8	9.4	8.5	9.0	8.1	10.1	8.5	9.6
Percent of all persons with—											
No activity limitation	86.0	92.8	76.6	60.4	86.4	85.6	85.9	85.5	79.7	89.2	91.9
Activity limitation	14.0	7.2	23.4	39.6	13.6	14.4	14.1	14.5	20.3	10.8	8.1
In major activity	9.5	4.9	17.5	24.1	9.7	9.4	9.4	11.1	14.2	7.3	5.1

NA Not available. [1] Includes persons with unknown family income and other races, not shown separately. [2] Covers all cases of hypertension, regardless of other conditions.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 10, and unpublished data.

Digitized by Google

NO. 174. FUNCTIONAL LIMITATIONS OF PERSONS 65 YEARS OLD AND OVER: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 175, and 598]

FUNCTIONAL LIMITATION	Persons 65 years and over	AGE							LIVING—	
		65-74 years old			75-84 years old			85 years and over	Alone	With others
		Total	Male	Female	Total	Male	Female			
Total, 65 years and over	**26,433**	**16,288**	**7,075**	**9,213**	**8,249**	**3,128**	**5,121**	**1,897**	**8,397**	**18,036**
Percent with difficulty [1] in—										
Walking	18.7	14.2	12.9	15.1	22.9	18.3	25.7	39.9	20.4	17.9
Getting outside	9.6	5.6	4.5	6.5	12.3	7.5	15.3	31.3	9.7	9.5
Bathing or showering	9.8	6.4	5.7	6.9	12.3	9.2	14.2	27.9	9.9	9.7
Transferring [2]	8.0	6.1	4.8	7.0	9.2	6.0	11.2	19.3	8.8	7.6
Dressing	6.2	4.3	4.4	4.2	7.6	7.3	7.7	16.6	5.0	6.8
Using toilet	4.3	2.6	2.4	2.7	5.4	3.6	6.5	14.1	3.4	4.7
Eating	1.8	1.2	1.5	.9	2.5	2.5	2.4	4.4	1.2	2.1
Preparing meals	7.1	4.0	3.0	4.8	8.8	6.0	10.5	26.1	6.0	7.6
Shopping for personal items	11.3	6.4	4.6	7.8	15.0	9.6	18.4	37.0	11.9	11.0
Managing money	5.1	2.2	2.8	1.8	6.3	5.4	6.8	24.0	4.0	5.5
Using the telephone	4.8	2.7	3.5	2.0	6.0	7.9	4.8	17.5	2.6	5.8
Doing heavy housework	23.8	16.6	11.2	24.3	28.7	15.9	36.4	47.8	28.0	21.9
Doing light housework	7.1	4.3	3.5	5.0	8.9	6.2	10.5	23.6	6.6	7.4
Percent not performing activity—										
Preparing meals	5.2	4.6	9.8	.5	5.5	12.0	1.6	8.9	1.1	7.1
Shopping for personal items	2.0	1.1	1.9	.5	2.5	2.9	2.3	7.5	2.2	1.9
Managing money	1.9	1.3	1.6	1.1	2.2	2.1	2.2	5.9	.8	2.4
Using the telephone	.8	.5	.8	.3	.9	1.4	.6	2.1	.8	.7
Doing heavy housework	9.7	8.1	12.7	4.6	11.5	16.3	8.6	15.9	7.1	11.0
Doing light housework	3.5	2.8	6.1	.3	4.0	7.8	1.7	7.1	.7	4.8
Percent of total receiving help [3]—										
Walking	4.7	2.9	2.8	2.9	5.7	3.7	6.9	15.3	2.4	5.7
Getting outside	5.3	2.7	2.2	3.1	6.9	3.7	8.8	21.2	4.1	5.9
Bathing or showering	6.0	3.3	3.3	3.3	7.7	6.6	8.4	21.0	3.6	7.0
Transferring [2]	2.8	1.8	1.7	1.8	3.6	2.7	4.1	9.0	1.0	3.7
Dressing	4.3	2.9	3.3	2.7	5.1	5.7	4.7	13.3	1.7	5.6
Using toilet	2.2	1.2	1.4	1.1	2.9	2.3	3.2	8.2	.7	3.0
Eating	1.1	.6	.9	.5	1.5	1.8	1.4	2.7	.3	1.4
Preparing meals	6.0	3.3	2.8	3.7	7.1	5.4	8.2	23.7	3.6	7.0
Shopping for personal items	10.5	5.8	4.3	6.9	14.1	8.9	17.2	35.9	10.4	10.6
Managing money	4.8	2.1	2.6	1.7	5.8	5.0	6.3	23.5	3.6	5.3
Using the telephone	3.0	1.5	2.0	1.1	3.9	5.0	3.2	11.7	.9	3.9
Doing heavy housework	19.3	14.5	9.3	18.5	23.1	12.7	29.4	44.1	20.1	18.9
Doing light housework	6.2	3.6	3.2	4.0	7.6	5.7	8.7	21.6	4.5	6.9
Percent of those with difficulty [1] receiving help [3]—										
Walking	24.8	20.4	21.8	19.4	24.9	20.2	26.9	38.3	11.8	31.7
Getting outside	55.8	48.0	49.4	47.3	55.7	49.4	57.5	68.0	42.0	62.4
Bathing or showering	60.9	51.9	58.4	47.9	62.6	71.6	59.1	75.1	36.5	72.5

[1] Difficulty due to a health or physical problem.
[2] Getting in or out of a bed or chair.
[3] Receiving help due to a health-related problem with the specified difficulty.

Source: U.S. National Center for Health Statistics, *Aging in the Eighties: Functional Limitations of Individuals Age 65 Years and Over*, June 1987, and unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

Digitized by Google

No. 175. Impaired Hearing and Sight and Prevalence of Selected Conditions of Persons 65 Years Old and Over: 1984

[In thousands, except percent. Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutional population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 174, and 598]

IMPAIRMENT OR CONDITION	65 years and over	AGE						LIVING—	
		65–74 years old			75–84 years old		85 years and over	Alone	With others
		Total	Male	Female	Total	Male	Female		
Total, 65 years and over	**26,433**	**16,286**	**7,075**	**9,213**	**8,249**	**3,128**	**5,121**	**8,397**	**18,036**
Percent with—									
Hearing impairment	28.7	23.2	30.3	17.7	34.3	42.3	29.5	51.4	26.9	29.5
Deafness in—									
One ear	6.9	6.0	7.2	5.0	7.7	9.1	6.9	11.4	6.6	7.1
Both ears	4.8	3.0	4.1	2.2	6.1	7.6	5.3	14.0	4.7	4.8
Using hearing aid	8.2	5.7	7.0	4.7	10.7	13.6	8.9	19.0	7.6	8.5
Visual impairment	12.9	9.6	10.1	9.3	15.9	17.0	15.3	27.6	13.4	12.6
Blindness in—									
One eye	3.1	2.2	2.8	1.7	4.2	5.2	3.5	5.9	3.1	3.1
Both eyes	1.2	.7	.7	.6	1.5	1.8	1.3	4.5	.9	1.3
Cataracts	18.4	12.4	9.3	14.8	26.4	21.1	29.6	35.2	22.8	16.3
Operation for cataracts	10.4	6.7	6.8	6.7	15.2	13.8	16.1	20.7	12.5	9.4
Using eyeglasses	95.1	95.4	94.3	96.2	95.4	93.3	96.7	91.4	94.8	95.2
Arthritis or rheumatism	52.5	51.0	43.9	56.5	55.2	43.9	62.1	53.3	57.2	50.3
Coronary heart disease	15.4	14.6	18.1	11.9	16.9	19.0	15.7	16.4	13.8	16.2
Hypertension	44.1	42.8	38.3	46.3	46.4	34.7	53.5	44.4	46.7	42.8

Source: U.S. National Center for Health Statistics, unpublished data from the Supplement on Aging to the 1984 National Health Interview Survey.

No. 176. Cancer—Estimated New Cases, 1986, and Survival Rates, 1974–1976 and 1977–1983

[Five-year survival rates represent the number of persons who live at least five years after a disease is diagnosed per 100 persons diagnosed with the disease in a given time period. Survival data shown are based on those patients diagnosed while residents of an area listed below during the time periods shown. Data are based on information collected as part of the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program, a collection of population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle–Puget Sound, and San Francisco–Oakland]

SITE	ESTIMATED NEW CASES,[1] 1986 (1,000)			FIVE-YEAR RELATIVE SURVIVAL RATES (percent)					
				All races [2]		White		Black	
	Total	Male	Female	1974–1976	1977–1983	1974–1976	1977–1983	1974–1976	1977–1983
All sites [3]	**930**	**465**	**465**	**49**	**49**	**50**	**50**	**38**	**38**
Lung	149	100	49	12	13	12	13	11	11
Breast	124	1	123	[4] 74	[4] 74	[4] 74	[4] 75	[4] 63	[4] 62
Colon	98	45	53	50	53	50	53	45	47
Prostate	90	90	(X)	66	70	67	71	57	62
Rectum	42	22	20	48	50	48	50	41	37
Bladder	41	29	12	72	75	73	76	47	53
Corpus uteri	36	(X)	36	88	83	89	85	62	54
Oral cavity and pharynx	30	20	10	53	50	54	53	36	31
Non-Hodgkin's lymphoma [5]	27	14	13	47	48	47	49	47	48
Leukemia [5]	26	14	12	33	33	33	33	30	26
Pancreas	26	13	13	3	3	3	2	2	4
Stomach	25	15	10	15	17	14	16	16	16
Melanoma of skin	23	12	11	79	80	79	80	(NA)	(NA)
Kidney	20	13	7	51	50	51	50	48	53
Ovary	19	(X)	19	36	38	36	38	41	38
Cervix uteri	14	(X)	14	68	66	69	67	63	60

NA Not available. X Not applicable. [1] Estimates provided by American Cancer Society are based on rates from the National Cancer Institute's SEER program 1977–1981. [2] Includes other races, not shown separately. [3] Includes other sites, not shown separately. [4] Female only. [5] All types combined.

Source: U.S. National Institutes of Health, National Cancer Institute, *Annual Cancer Statistics Review*.

Digitized by Google

No. 177. Persons With Known Case of Diabetes, by Selected Characteristics: 1984–85

[Covers civilian noninstitutional population. Annual average. Based on subsamples of households in the National Health Interview Survey; see Appendix III]

Sex and race	Number (1,000)					Rate per 1,000 population				
		Persons 20 years old and over					Persons 20 years old and over			
	Total [1]	Total	20–44 years	45–64 years	65 years and over	Total [1]	Total	20–44 years	45–64 years	65 years and over
Total persons with known diabetes	**6,069**	**5,953**	**882**	**2,321**	**2,750**	**26.1**	**36.6**	**9.6**	**52.3**	**102.8**
Male	2,567	2,511	364	1,075	1,072	22.8	32.7	8.2	50.9	97.9
Female	3,502	3,442	518	1,246	1,878	29.1	40.0	11.0	53.5	106.9
White	4,929	4,826	728	1,815	2,283	24.6	34.2	9.3	48.4	94.4
Black and other	1,140	1,127	154	505	467	33.5	52.7	11.4	95.8	182.8
Black	1,054	1,041	143	471	427	37.7	60.0	13.3	108.3	192.3

[1] Includes persons under 20 years old, not shown separately.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 178. Personal Health Practices, by Selected Characteristic: 1985

[In percent. For persons 18 years of age and over. Based on National Health Interview Survey; see Appendix III]

Characteristic	Sleeps 6 hours or less	Never eats breakfast	Snacks every day	Less physically active than contemporaries	Had 5 or more drinks on any one day [1]	Current smoker	30 percent or more above desirable weight [2]
All persons [3]	**22.0**	**24.3**	**39.0**	**16.4**	**37.5**	**30.1**	**13.0**
AGE							
18–29 years old	19.8	30.4	42.2	17.1	54.4	31.9	7.5
30–44 years old	24.3	30.1	41.4	18.3	39.0	34.5	13.6
45–64 years old	22.7	21.4	37.9	15.3	24.6	31.6	18.1
65 years old and over	20.4	7.5	30.7	13.5	12.2	16.0	13.2
65–74 years old	19.7	9.0	32.4	15.8	(NA)	19.7	14.9
75 years old and over	21.5	5.1	27.8	9.8	(NA)	10.0	10.3
SEX							
Male	22.7	25.2	40.7	16.5	49.3	32.6	12.1
Female	21.4	23.6	37.5	16.3	23.3	27.8	13.7
RACE							
White	21.3	24.5	39.4	16.7	38.3	29.6	12.4
All other	26.8	23.2	36.3	14.3	29.9	33.1	16.4
Black	27.8	23.6	37.2	13.9	29.3	34.9	16.7
Other	21.4	21.5	32.6	16.5	33.3	24.8	6.7
EDUCATION LEVEL							
Less than 12 years	23.3	22.6	37.8	12.3	35.9	35.4	17.5
12 years	21.9	26.5	39.6	16.5	38.9	33.4	13.4
More than 12 years	21.2	23.3	39.2	19.1	36.8	23.1	9.4
FAMILY INCOME							
Less than $7,000	24.4	22.4	37.0	13.5	(NA)	31.1	16.1
$7,000 to $14,999	21.6	22.9	37.4	14.7	(NA)	33.4	15.3
$15,000 to $24,999	21.2	24.9	40.3	16.8	(NA)	32.2	13.4
$25,000 to $39,999	22.4	26.1	41.2	17.2	(NA)	30.0	12.1
$40,000 or more	21.8	25.4	39.9	19.4	(NA)	25.2	9.4

NA Not available. [1] Percent of drinkers who had 5 or more drinks on any one day in the past year. [2] Based on 1960 Metropolitan Life Insurance Company standards. Data are self-reported. [3] Excludes persons whose health practices are unknown.

Source: U.S. National Center for Health Statistics, unpublished data.

Digitized by Google

NO. 179. FREQUENCY OF ALCOHOL CONSUMPTION BY SEX, AGE, AND FAMILY INCOME: 1984

[In **percent**. Covers persons 18 years old and over living in households in the 48 contiguous States. Based on a sample survey of approximately 2,100 persons conducted in the last months of 1984. Data are subject to sampling variability. Survey responses are based on self-reported consumption of beer, wine, and distilled spirits]

FREQUENCY OF ALCOHOL CONSUMPTION	Total	SEX		AGE			FAMILY INCOME			
		Male	Female	20–34 years	35–54 years	55 yr. and over	Less than $6,000	$6,000–$15,000	$15,001–$30,000	$30,001 and over
Never or less often than once a year	31	24	36	22	28	45	46	39	27	20
At least once a year, less often than once a week	34	27	39	37	35	26	29	32	38	32
Once or twice a week	14	17	12	17	14	10	13	14	13	17
Three or more times a week	22	32	13	23	23	18	13	16	21	32
Percent who drink 5 or more drinks, at one sitting at least once a year [1]	43	56	30	56	42	21	43	43	42	47

[1] Based on number of persons who drink alcohol.

Source: Medical Research Institute of San Francisco, Alcohol Research Group, Berkeley, CA, unpublished data.

NO. 180. DRUG USE, BY TYPE OF DRUG AND AGE GROUP: 1974 AND 1985

[Current users are those who used drugs at least once within month prior to this study. **1985** data preliminary. For **1985**, based on national samples of 8,038 respondents. Subject to sampling variability; see source]

TYPE OF DRUG	PERCENT OF PERSONS 12–17 YEARS OLD				PERCENT OF PERSONS 18–25 YEARS OLD				PERCENT OF PERSONS 26 YEARS OLD AND OVER			
	Ever used		Current user		Ever used		Current user		Ever used		Current user	
	1974	1985	1974	1985	1974	1985	1974	1985	1974	1985	1974	1985
Marihuana	23.0	23.7	12.0	12.3	52.7	60.5	25.2	21.9	9.9	27.2	2.0	6.2
Inhalants	8.5	9.1	.7	3.8	9.2	12.8	(Z)	1.0	1.2	5.0	(Z)	.6
Hallucinogens	6.0	3.2	1.3	1.1	16.6	11.5	2.5	1.6	1.3	6.2	(Z)	(Z)
Cocaine	3.6	5.2	1.0	1.6	12.7	25.2	3.1	7.7	.9	9.5	(Z)	2.1
Heroin	1.0	(Z)	(Z)	(Z)	4.5	1.2	(Z)	(Z)	.5	1.1	(Z)	(Z)
Analgesics [1]	(NA)	5.9	(NA)	1.9	(NA)	11.4	(NA)	2.1	(NA)	5.6	(NA)	.9
Stimulants [1]	5.0	5.5	1.0	1.6	17.0	17.3	3.7	4.0	3.0	7.9	(Z)	.7
Sedatives [1]	5.0	4.0	1.0	1.1	15.0	11.0	1.6	1.7	2.0	5.2	(Z)	.7
Tranquilizers [1]	3.0	4.8	1.0	.6	10.0	12.2	1.2	1.7	2.0	7.1	(Z)	1.0
Alcohol	54.0	55.9	34.0	31.5	61.6	92.6	69.3	71.5	73.2	89.3	54.5	60.7
Cigarettes	52.0	45.3	25.0	15.6	68.6	76.0	48.8	37.2	65.4	80.5	39.1	32.8

NA Not available. Z Less than .5 percent. [1] Nonmedical use.

Source: U.S. National Institute on Drug Abuse, *Main Findings From the 1985 National Household Survey on Drug Abuse*, forthcoming.

NO. 181. CURRENT USERS OF ALCOHOL, MARIHUANA, AND/OR COCAINE: 1985

[In **percent**. See headnote, table 180. For definition of regions see fig. I, inside front cover]

SUBSTANCE AND AGE GROUP	Total [1]	SEX		RACE/ETHNICITY			REGION			
		Male	Female	White [2]	Black [2]	Hispanic	Northeast	North Central	South	West
Alcohol: Total	59.2	67.9	51.2	61.8	47.6	50.5	66.1	64.8	47.2	65.0
12–17 years old	31.5	33.7	29.0	34.8	21.3	22.8	33.5	33.5	26.1	36.0
18–25 years old	71.5	78.4	64.5	75.6	57.6	58.0	78.6	77.8	64.5	68.9
26–34 years old	70.0	79.6	60.6	72.2	65.9	65.5	78.7	75.1	58.3	72.5
35 years old and over	57.3	67.8	48.3	59.3	43.9	49.3	65.1	62.6	42.7	67.6
Marihuana: Total	9.4	12.3	6.6	9.1	13.2	7.4	10.2	9.5	8.0	10.9
12–17 years old	12.3	13.2	11.2	13.2	8.2	9.9	13.3	11.6	6.6	17.1
18–25 years old	21.9	26.5	17.0	22.2	24.1	14.8	19.6	23.1	21.5	22.8
26–34 years old	16.8	22.4	11.4	16.9	22.8	10.1	16.0	17.0	15.2	17.7
35 years old and over	2.2	3.3	1.3	1.8	5.8	1.9	3.8	1.4	1.3	2.8
Cocaine: Total	2.9	3.9	2.0	3.0	3.2	2.4	3.5	2.6	1.4	5.2
12–17 years old	1.8	2.0	1.4	1.8	1.1	2.7	2.7	.8	.5	3.3
18–25 years old	7.7	9.0	6.2	8.0	6.5	6.4	7.5	8.2	3.9	12.7
26–34 years old	6.1	8.8	3.8	8.8	5.6	2.7	6.6	4.7	3.6	11.4
35 years old and over	.5	.7	.3	.4	1.4	.2	1.2	.1	.1	.7

[1] Includes other races, not shown separately. [2] Non-Hispanic.

Source: U.S. National Institute on Drug Abuse, *Main Findings From the 1985 National Household Survey on Drug Abuse*, forthcoming.

Digitized by Google

No. 182. Cigarette Smoking by Sex and Age: 1970 to 1985

[1970 and 1980, civilian noninstitutional population, 17 years old and over; 1983, 18 years old and over; 1985, 20 years old and over. Based on National Health Interview Survey; see Appendix III. Smoking data were obtained from self-respondents only]

YEAR, SEX AND AGE	Unit	Total population [1]	Persons who never smoked	Persons who ever smoked [2]	Former smokers	PRESENT SMOKERS			
						Total [3]	Cigarettes smoked per day (heaviest amount)		
							Under 15	15–24	25 or more
1970: Both sexes	1,000	133,132	59,675	72,678	23,859	48,819	15,517	20,628	10,963
Percent of total	Percent	100.0	44.8	54.6	17.9	36.7	11.7	15.5	8.2
Male	1,000	62,310	19,144	42,773	15,861	26,912	7,183	11,458	7,119
Percent of total	Percent	100.0	30.7	68.6	25.5	43.2	11.5	18.4	11.4
Female	1,000	70,822	40,531	29,905	7,998	21,907	8,354	9,170	3,844
Percent of total	Percent	100.0	57.2	42.2	11.3	30.9	11.8	12.9	5.4
1980: Both sexes [4]	1,000	160,796	74,066	85,572	33,130	52,442	15,200	21,806	14,745
Percent of total	Percent	100.0	46.1	53.2	20.6	32.6	9.5	13.6	9.2
Male	1,000	75,970	26,908	48,423	20,672	27,751	6,589	11,543	9,145
Female	1,000	84,826	47,157	37,149	12,458	24,690	8,611	10,262	5,600
1983: Both sexes	1,000	166,714	76,784	89,844	36,210	53,473	15,361	23,400	13,650
Percent of total	Percent	100.0	46.1	53.8	21.7	32.1	9.2	14.0	8.2
Male	1,000	78,727	28,770	49,799	22,232	27,567	6,508	11,807	8,735
Female	1,000	87,987	48,024	39,885	13,978	25,907	8,853	11,593	4,915
1985: Both sexes	1,000	163,693	71,590	88,710	39,918	48,792	14,982	20,267	13,121
Percent of total	Percent	100.0	43.7	54.2	24.4	29.8	9.2	12.4	8.0
Male	1,000	77,187	26,283	49,107	24,086	25,021	6,421	10,193	8,178
Percent of total	Percent	100.0	34.1	63.6	31.2	32.4	8.3	13.2	10.6
20–24 years	1,000	9,766	5,463	4,005	1,068	2,937	1,023	1,405	501
25–44 years	1,000	35,100	12,687	21,636	8,610	13,026	3,256	5,237	4,454
45–64 years	1,000	21,215	5,104	15,637	8,707	6,931	1,461	2,719	2,706
65 years and over	1,000	11,105	3,038	7,826	5,702	2,127	682	833	516
Female	1,000	86,506	45,297	39,602	15,831	23,771	8,561	10,074	4,942
Percent of total	Percent	100.0	52.4	45.8	18.3	27.5	9.9	11.6	5.7
20–24 years	1,000	10,365	5,720	4,387	1,100	3,287	1,548	1,345	396
25–44 years	1,000	36,904	18,235	18,062	6,523	11,539	3,905	4,825	2,739
45–64 years	1,000	23,297	11,153	11,746	4,903	6,842	2,239	2,997	1,540
65 years and over	1,000	15,939	10,190	5,408	3,305	2,103	868	907	275

[1] Includes persons for whom smoking status is unknown. [2] Excludes smokers with unknown present smoking status. [3] Includes smokers for whom the number of cigarettes smoked per day is unknown. [4] Estimates are based on data collected for 2 quarters, July–December, 1980.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, vol. 21, No. 3 supplement, June 1972; and unpublished data.

No. 183. Cumulative Percent Distribution of Population by Height and Sex: 1976–1980

[For persons 18 to 74 years old. Height was measured without shoes. Based on sample and subject to sampling variability; see source]

HEIGHT	MALES						FEMALES					
	18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years	18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years
Percent under—												
4'8"	–	–	–	–	–	–	.05	–	.10	.28	.46	1.04
4'9"	–	–	–	–	–	–	.43	.23	.34	.35	1.07	2.27
4'10"	–	–	–	–	–	–	.94	.64	.95	1.22	3.02	4.23
4'11"	–	–	–	–	–	–	2.22	1.65	1.94	4.20	6.43	9.33
5'	.18	.05	.27	–	.27	.24	4.22	3.65	4.56	8.88	11.40	17.20
5'1"	.18	.31	.34	.19	.72	1.22	9.13	8.60	7.75	16.16	19.70	29.00
5'2"	.34	.42	.87	.70	.92	2.66	17.75	19.11	18.24	27.66	31.71	44.34
5'3"	1.61	.54	2.07	1.50	2.70	5.97	29.06	32.96	33.11	39.83	45.87	59.15
5'4"	2.37	1.55	3.68	2.55	5.26	10.53	41.81	47.43	49.90	57.21	63.89	76.44
5'5"	3.85	4.36	6.36	5.72	9.29	18.31	58.09	61.36	63.88	70.47	77.44	86.97
5'6"	8.24	9.51	12.39	11.39	17.54	29.42	74.76	74.92	78.07	84.64	88.91	94.63
5'7"	16.18	15.25	17.63	21.24	29.10	41.63	85.37	85.65	87.95	91.21	94.56	97.86
5'8"	26.68	26.69	26.40	33.56	43.53	57.75	92.30	93.26	93.43	96.28	97.70	99.20
5'9"	38.89	39.68	42.52	50.39	58.21	69.96	96.23	97.19	97.18	98.17	99.36	99.81
5'10"	53.66	55.35	57.01	63.38	71.51	81.95	98.34	99.49	99.19	99.58	99.78	99.92
5'11"	66.25	69.67	70.70	76.94	83.09	89.59	99.38	99.68	99.39	99.84	99.81	100.00
6'	80.14	81.58	81.15	85.83	90.99	94.52	–	–	–	–	–	–
6'1"	88.54	89.95	90.04	93.43	96.28	97.82	–	–	–	–	–	–
6'2"	92.74	95.57	95.05	98.01	97.66	99.17	–	–	–	–	–	–
6'3"	96.17	97.98	97.82	99.35	98.90	99.86	–	–	–	–	–	–
6'4"	98.40	99.23	99.19	99.70	99.79	100.00	–	–	–	–	–	–

– Represents or rounds to zero.

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 236.

Digitized by Google

No. 184. Per Capita Consumption of Major Food Commodities: 1960 to 1986

[In pounds, except as indicated. Consumption represents the residual after exports, nonfood use, and ending stocks are subtracted from the sum of beginning stocks, domestic production, and imports. Based on Bureau of the Census population estimates. For similar but unrevised data, see *Historical Statistics, Colonial Times to 1970*, series G 881–915]

Commodity	1960	1970	1975	1980	1982	1983	1984	1985	1986, prel.
Red meat, total (retail weight)	144.0	162.8	153.9	157.2	148.0	153.0	152.9	153.2	150.5
Beef	64.2	84.0	87.9	76.5	77.2	78.6	78.5	79.1	79.8
Veal	5.2	2.4	3.4	1.5	1.7	1.6	1.8	1.8	1.9
Lamb and mutton	4.3	2.9	1.8	1.4	1.5	1.5	1.5	1.4	1.4
Pork (excluding lard)	60.3	62.3	50.7	68.3	59.0	62.2	61.8	62.1	58.6
Offals, edible	10.0	11.2	10.2	9.5	8.6	9.1	9.3	8.8	8.8
Fish (edible weight)	10.3	11.8	12.2	12.8	12.3	13.1	13.7	14.4	14.7
Fresh and frozen	5.7	6.9	7.5	8.0	7.7	8.0	8.5	9.0	9.0
Fish	3.8	4.5	4.9	5.5	5.1	5.2	5.5	5.2	5.4
Shellfish	1.9	2.4	2.6	2.5	2.6	2.8	3.0	3.8	3.6
Canned	4.0	4.5	4.3	4.5	4.3	4.8	4.9	5.2	5.4
Tuna	(NA)	2.5	2.9	2.9	2.7	3.1	3.2	3.3	3.6
Cured	.6	.4	.4	.3	.3	.3	.3	.3	.3
Poultry products:									
Chicken (ready-to-cook)	27.8	40.0	40.1	50.1	53.1	53.8	55.6	58.0	59.1
Turkey (ready-to-cook)	6.2	8.0	8.5	10.5	10.7	11.3	11.4	12.1	13.4
Eggs (number)	334	309	276	272	265	261	261	252	252
Dairy products, total (milk equivalent)	653.4	560.7	539.9	543.9	555.4	573.0	581.6	594.1	594.4
Plain whole milk [1]	256.6	214.1	179.4	145.1	133.6	130.5	126.6	122.5	117.2
Low-fat milk [1 2]	21.1	51.3	77.7	96.3	99.8	103.0	107.5	113.2	118.6
Cream [1 3]	8.3	5.3	5.5	5.7	6.0	6.4	6.9	7.3	7.6
Condensed and evaporated whole milk	13.7	7.1	5.3	3.8	4.0	3.9	3.8	3.7	3.7
Cheese	8.3	11.5	14.3	17.6	20.0	20.7	21.6	22.6	23.2
American	5.4	7.1	8.2	9.7	11.4	11.7	11.9	12.2	12.1
Other	2.9	4.4	6.1	7.9	8.6	9.0	9.7	10.4	11.1
Ice cream (product weight)	18.3	17.6	18.5	17.6	17.5	17.9	18.0	18.0	18.3
Fats and oils, total (fat content)	45.1	52.6	52.4	57.2	58.4	59.9	58.7	64.0	64.2
Butter (actual weight)	7.7	5.4	4.7	4.5	4.3	4.9	4.9	4.9	4.6
Margarine (actual weight)	9.3	10.8	11.1	11.4	11.2	10.4	10.4	10.8	11.4
Lard	7.5	4.6	2.8	2.6	2.5	2.1	2.1	1.8	1.7
Shortening	12.6	17.3	17.0	18.2	18.6	18.5	21.3	22.9	22.1
Salad and cooking oils	(NA)	15.4	17.9	21.2	21.6	23.5	19.8	23.5	24.1
Grains:									
Wheat flour [4]	118.2	110.8	114.5	116.9	119.4	115.9	117.6	122.5	129.6
Rye flour	1.1	1.2	1.0	.7	.6	.7	.8	.8	(NA)
Rice, milled [5]	6.1	6.7	7.6	9.4	11.8	9.8	8.5	9.1	11.5
Corn meal and other [6]	(NA)	11.1	10.8	11.5	11.4	11.4	11.4	11.6	(NA)
Oat products	3.6	3.2	3.2	3.1	3.1	3.1	3.1	3.1	(NA)
Pasta products	(NA)	7.7	9.7	10.1	9.9	10.5	10.3	12.3	(NA)
Breakfast cereals	(NA)	11.2	12.2	12.8	12.9	13.0	13.3	13.7	(NA)
Ready to eat	(NA)	8.7	9.3	10.0	10.1	10.2	10.4	10.6	(NA)
Ready to cook	(NA)	2.4	2.8	2.9	2.9	2.8	2.9	3.1	(NA)
Sweeteners, total [7]	116.2	132.7	131.3	145.7	148.7	155.1	162.6	169.4	168.2
Sugar, refined cane and beet	97.6	101.7	89.2	83.7	73.8	71.0	67.6	63.3	60.9
Corn sweeteners	13.9	23.4	34.2	52.7	63.8	69.4	77.3	86.3	87.3
High fructose	-	1.0	7.0	27.0	37.6	43.2	51.1	60.1	61.0
Non-caloric sweeteners (sugar sweetness equivalent) [8]	[9] 2.2	5.8	6.1	7.7	9.4	13.0	15.8	18.0	18.5
Saccharin	1.9	5.8	6.1	7.7	8.4	9.5	10.0	6.0	5.5
Aspartame	-	-	-	-	1.0	3.5	5.8	12.0	13.0
Other									
Confectionery	17.0	19.9	17.7	16.1	18.8	17.8	18.6	18.9	18.8
Cocoa beans	3.6	3.9	3.2	3.4	3.8	3.9	4.4	4.3	4.3
Coffee (green beans)	15.8	13.7	12.2	10.3	10.2	10.2	10.1	10.1	9.9
Peanuts (shelled)	4.9	5.6	6.1	4.9	6.0	6.0	6.1	6.4	6.4
Tree nuts (shelled basis)	1.6	1.8	1.9	1.8	2.1	2.2	2.2	2.3	2.0
Food consumption [10] (1967 = 100)	97	102	102	103	104	106	107	109	109

– Represents zero. NA Not available. [1] Per capita U.S. sales. Data based primarily on information from Government-regulated State and Federal fluid milk markets. Excludes milk produced and consumed on farms and distribution from USDA supplies. Based on estimated population using fluid products from purchased sources. [2] Includes skim milk, buttermilk, flavored milk drinks, and yogurt. [3] Comprises cream, milk-cream mixtures, sour cream and dips, and eggnog. Includes milk and cream mixtures. [4] Comprises white, whole wheat, durum, and semolina flours. [5] For crop year beginning in previous year. [6] Includes hominy grits, and cornstarch. [7] Includes edible syrups (maple, molasses, etc.) and honey, not shown separately. [8] Assumes saccharin is 300 times as sweet as sugar and aspartame 200 times as sweet as sugar. [9] Includes cyclamate which was banned by U.S. Food and Drug Administration in 1970. [10] Retail weight equivalent, weighted by constant retail prices.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual, and unpublished data.

Digitized by Google

No. 185. Fruit and Vegetable Consumption Per Capita: 1965 to 1986

[In pounds. See headnote, table 184]

Commodity	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.
FRUITS										
Fresh fruits, total (retail weight)	75.6	77.5	82.0	86.7	83.9	83.9	86.2	87.5	86.5	91.7
Noncitrus [1]	50.3	49.6	53.5	58.6	59.7	60.0	59.9	64.5	63.9	66.6
Bananas	17.9	17.4	17.7	20.8	21.5	22.6	21.2	22.1	23.4	25.1
Apples	15.7	16.3	18.3	18.3	16.1	17.2	17.1	17.2	16.1	16.8
Grapes	3.8	2.5	2.9	3.3	3.4	4.9	4.9	5.9	6.6	6.6
Citrus [1]	25.3	27.9	28.4	28.0	24.2	23.9	26.3	23.0	22.6	25.1
Oranges	13.9	15.7	15.4	15.3	13.1	12.3	15.6	12.4	12.0	14.1
Grapefruit	7.3	7.9	8.1	7.8	6.7	7.3	7.8	6.1	5.6	6.3
Canned [4]	14.6	14.4	11.9	10.6	9.9	9.6	9.2	8.9	8.4	8.8
Dried [5]	2.9	2.5	2.7	2.2	2.5	2.7	2.8	2.8	2.9	2.8
Citrus fruit juices [6]	21.9	31.8	45.8	44.7	42.2	44.3	48.7	42.0	48.5	49.0
Frozen (single-strength equivalent)	16.1	22.0	35.0	33.6	33.2	36.9	41.6	35.6	44.0	43.2
Orange	14.7	20.7	32.8	31.8	30.1	33.2	38.7	33.4	39.8	40.2
Canned	3.8	5.2	5.2	5.1	4.9	3.9	3.0	2.8	2.3	2.1
Chilled (single-strength equivalent)	2.0	4.6	5.6	5.8	4.1	3.5	4.1	3.6	3.2	3.7
VEGETABLES [7]										
Fresh (retail weight) [7] [8]	63.0	63.6	66.2	72.6	71.4	74.0	74.3	78.5	78.5	79.4
Lettuce [9]	19.5	20.8	21.9	24.9	23.9	23.9	23.8	24.2	23.2	21.6
Onions [10]	(NA)	13.8	12.5	12.9	12.8	14.3	14.3	15.1	15.7	16.8
Tomatoes	10.9	10.3	10.1	11.4	11.2	11.4	11.6	13.0	13.6	14.6
Canned [8] [11]	(NA)	34.2	34.6	35.3	32.0	32.6	(NA)	(NA)	(NA)	(NA)
Tomato products [12]	(NA)	15.4	17.9	17.5	18.4	16.9	(NA)	(NA)	(NA)	(NA)
Other [13]	(NA)	18.8	16.7	17.8	15.6	15.7	(NA)	(NA)	(NA)	(NA)
Frozen [8]	(NA)	9.6	9.6	10.4	11.5	10.9	(NA)	(NA)	(NA)	(NA)
Dry edible beans and peas	(NA)	6.3	6.0	6.2	7.2	6.9	4.8	6.5	(NA)	(NA)
Sweet potatoes (retail weight) [14]	5.2	5.8	4.7	5.5	4.8	4.7	5.2	5.6	4.9	4.7
Potatoes, total (fresh equivalent, farm weight)	(NA)	121.4	125.3	112.9	110.8	118.4	118.0	116.5	123.6	127.7
Potatoes, total (retail weight) [7]	(NA)	79.6	79.8	71.7	67.9	74.3	74.3	71.2	75.9	79.9
Fresh	(NA)	60.0	54.2	46.6	42.0	47.2	47.5	43.1	45.8	49.8
Frozen	(NA)	12.1	18.0	18.2	18.9	20.0	19.5	20.9	22.7	22.7
Chips and shoestrings	(NA)	4.3	3.8	4.1	4.1	4.2	4.4	4.4	4.3	4.4

NA Not available. [1] Includes other types of commodities, not shown separately. [2] Not comparable to later years. [3] For crop year beginning in previous year. [4] Excludes apples, applesauce, cranberries, pineapples, and citrus sections. [5] For pack year. [6] Excludes production from home gardens. [7] Includes broccoli, carrots, cauliflower, celery, and corn, not shown separately. [8] Excludes potatoes. [9] Beginning 1982, includes escarole. [10] Beginning 1970, includes fresh equivalent of dehydrated onions. [11] Excludes soups, baby foods, and canned dry beans products. [12] Comprises whole tomatoes, pulp, puree, sauce, catsup, chili sauce, tomato and other vegetable juices. [13] Covers asparagus, lima and snap beans, beets, carrots, corn, and peas. [14] Includes quantities canned and frozen.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual, and unpublished data.

No. 186. Per Capita Consumption of Beverages, by Type: 1970 to 1985

[See headnote, table 184]

Commodity	Amount (gallons)							Percent distribution		
	1970	1975	1980	1982	1983	1984	1985	1970	1975	1980
Total	122.4	128.2	135.7	136.1	137.1	139.8	140.3	100.0	100.0	100.0
Nonalcoholic	99.9	102.3	106.4	106.6	107.8	110.7	112.7	81.6	79.8	78.4
Milk	31.4	30.1	28.0	27.1	27.0	27.0	27.1	25.7	23.5	20.6
Whole	24.8	20.6	16.7	15.5	15.1	14.5	14.0	20.3	16.1	12.3
Other	6.7	9.5	11.4	11.6	11.9	12.5	13.1	5.5	7.4	8.4
Tea	6.7	7.5	7.3	6.9	6.9	6.8	7.0	5.5	5.9	5.4
Coffee	33.4	31.3	27.0	26.6	25.6	26.3	26.3	27.3	24.4	19.9
Soft drinks	23.7	27.3	37.8	39.5	41.1	44.2	45.6	19.4	21.3	27.9
Juices	4.6	6.1	6.3	6.5	7.2	6.4	7.3	3.8	4.8	4.6
Citrus	3.7	5.3	5.2	5.1	5.6	4.9	5.7	3.0	4.1	3.8
Noncitrus	.9	.8	1.1	1.4	1.5	1.6	1.6	.7	.6	.8
Alcoholic	22.4	25.9	29.3	29.5	29.3	29.1	27.6	18.3	20.2	21.6
Beer	19.2	22.2	25.2	25.4	25.2	24.9	23.4	15.7	17.3	18.6
Wine	1.3	1.7	2.1	2.2	2.2	2.3	2.5	1.1	1.3	1.5
Distilled spirits	1.8	2.0	2.0	1.9	1.8	1.8	1.7	1.5	1.6	1.5

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Consumption, Prices, and Expenditures*, annual; and unpublished data.

Digitized by Google

No. 187. Nutrition—Nutrients in Foods Available for Civilian Consumption per Capita per Day and Indexes: 1960 to 1985

[Computed by Human Nutrition Information Service (HNIS), USDA. Based on estimates of per capita food consumption (retail weight) by the Economic Research Service (ERS), on imputed consumption data for foods no longer reported by ERS, and on HNIS estimates of quantities of produce from home gardens. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B_6, vitamin B_{12}, and ascorbic acid added by enrichment and fortification. Minus sign (–) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series G 851–856 for related details]

NUTRIENT	Unit	1960	1970	1975	1980	1982	1983	1984	1985	PERCENT CHANGE		
										1960–1970	1970–1980	1980–1985
Food energy	Calories	3,200	3,300	3,200	3,400	3,400	3,400	3,400	3,600	3.1	3.0	5.9
Protein	Grams	94	98	96	98	99	100	101	102	4.3	–	4.1
Fat	Grams	147	159	151	162	161	165	164	172	8.2	1.9	6.2
Carbohydrate	Grams	375	378	380	391	397	397	401	413	.8	3.4	5.6
Calcium	Grams	93	86	87	86	89	91	92	92	–5.4	–	4.5
Phosphorus	Grams	1.47	1.47	1.45	1.45	1.47	1.49	1.51	1.52	–	–1.4	4.8
Iron	Milligrams	15.6	16.4	16.4	16.2	16.5	17.9	18.0	18.3	5.1	–1.2	13.0
Magnesium	Milligrams	320	310	310	300	310	320	320	320	–3.1	–3.2	6.7
Zinc	Milligrams	11.4	12.1	12.0	11.8	12.0	12.1	12.2	12.3	6.1	–2.5	4.2
Vitamin A	Int'l. units	7,400	9,100	9,300	9,300	9,300	9,500	9,600	9,900	23.0	2.2	6.5
Vitamin E	Milligrams α-TE [1]	13.2	15.1	15.7	16.0	16.6	16.9	16.4	17.6	14.4	6.0	10.0
Thiamin	Milligrams	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	–	5.0	4.8
Riboflavin	Milligrams	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	–	–	4.4
Niacin	Milligrams	21	23	24	25	25	25	26	26	9.5	8.7	4.0
Vitamin B_6	Milligrams	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	5.3	–	5.0
Vitamin B_{12}	Micrograms	8.7	9.4	8.9	8.7	8.5	8.6	8.9	8.8	8.0	–7.4	1.1
Ascorbic acid	Milligrams	99	102	110	109	109	114	110	114	3.0	6.9	4.6
Cholesterol	Milligrams	540	520	480	480	470	480	480	480	–3.7	–7.7	–
INDEXES (1967 = 100)												
Food energy	Percent	100	103	100	106	106	106	106	112	3.0	2.9	5.7
Protein	Percent	98	102	100	102	103	104	105	106	4.1	–	3.9
Fat	Percent	95	103	98	105	105	107	106	112	8.4	1.9	6.7
Carbohydrate	Percent	100	101	101	104	106	106	107	110	1.0	3.0	5.8

– Represents zero. [1] Alpha-Tocopherol equivalents.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. Data published by Economic Research Service in *Food Consumption, Prices, and Expenditures*, annual; and *National Food Review*, quarterly.

No. 188. Daily per Capita Intake of Energy and Selected Nutrients, by Sex and Age: 1976–1980

[Represents **median daily intake per person.** Data are based on 24-hour recall of a respondent to a sample survey in the second National Health and Nutrition Examination Survey. Subject to sampling variability; see source. For definition of median, see Guide to Tabular Presentation]

SEX AND NUTRIENT	Unit	1–5 years	6–11 years	12–17 years	18–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65–74 years
MEN										
Energy	K cal	1,428	1,992	2,467	2,731	2,577	2,299	2,224	1,966	1,723
Protein	Gm	51	72	91	104	96	87	87	78	67
Fat	Gm	55	78	98	108	103	93	91	79	68
Calcium	Gm	756	1,034	1,063	1,001	805	716	733	685	597
Iron	Mg	8	12	15	16	16	15	15	13	12
Vitamin A	I.U.	3,067	3,995	4,051	3,964	3,558	3,528	3,789	3,710	3,929
Vitamin C	Mg	71	79	71	76	66	66	78	82	79
WOMEN										
Energy	K cal	1,344	1,762	1,677	1,593	1,547	1,510	1,377	1,308	1,221
Protein	Gm	48	62	60	59	59	57	52	51	48
Fat	Gm	53	70	68	62	63	60	54	52	46
Calcium	Gm	722	875	692	565	535	508	474	475	475
Iron	Mg	8	10	10	10	10	10	10	9	9
Vitamin A	I.U.	2,837	3,466	2,706	2,693	2,782	2,678	3,161	3,341	3,346
Vitamin C	Mg	66	67	48	59	55	53	69	88	90

Source: U.S. National Center for Health Statistics, *Vital and Health Statistics*, series 11, No. 231, and unpublished data.

Digitized by Google



Section 4

Education

This section presents data primarily concerning formal education as a whole, at various levels, and for public and private schools. Data shown relate to the school-age population and school enrollment, educational attainment, education personnel, and financial aspects of education. In addition, data are shown for libraries, computer usage in schools, and adult education. The chief sources are the decennial census of population and the Current Population Survey (CPS), both conducted by the Bureau of the Census (see text, section 1); annual, biennial, and other periodic surveys conducted by the Center for Education Statistics (formerly known as the National Center for Education Statistics), a part of the U.S. Department of Education; and surveys conducted by the National Education Association.

The censuses of population have included data on school enrollment since 1840 and on educational attainment since 1940. The CPS has reported on school enrollment annually since 1945 and on educational attainment periodically since 1947.

The Center for Education Statistics is continuing the pattern of statistical studies and surveys conducted by the U.S. Office of Education since 1870. The annual *Digest of Education Statistics* provides summary data on pupils, staff, finances, including government expenditures, and organization at the elementary, secondary, and higher education levels. It is also a primary source for detailed information on Federal funds for education, projections of enrollment, graduates, and teachers. *The Condition of Education*, issued annually, presents a summary of information on education of particular interest to policymakers.

Other sources of data include special studies by the Center for Education Statistics, and annual or biennial reports of education agencies in individual States. The census of governments, conducted by the Bureau of the Census every 5 years (for the years ending in "2" and "7"), provides data on school district finances and State and local government expenditures for education. Reports published by the Bureau of Labor Statistics contain data relating employment experience to educational attainment.

Types and sources of data.—The statistics in this section are of two general types. One type, exemplified by data from the Bureau of the Census, is based on direct interviews with individuals to obtain information about their own and their family members' education. Data of this type relate to school enrollment and level of education attained, classified by age, sex, and other characteristics of the population. The school enrollment statistics reflect attendance or enrollment in any regular school within a given period; educational attainment statistics reflect the highest grade completed by an individual.

For enrollment data starting in October 1981, the CPS used 1980 census population controls; for years 1971 through 1980, 1970 census population controls had been used. This change had little impact on summary measures (e.g., medians) and proportional measures (e.g., enrollment rates); however, use of the controls may have significant impact on absolute numbers. Where appropriate for comparability purposes, 1981 data have been provided in two ways—once based on 1970 controls, and once based on 1980 controls; see, for example, table 194.

The second type, generally exemplified by data from the Center for Education Statistics and the National Education Association, is based on reports from administrators of educational institutions and of State and local agencies having jurisdiction over education. Data of this type relate to enrollment, attendance, staff, and finances for the Nation, individual States, and local areas.

Unlike the Center for Education Statistics, the Census Bureau does not regularly include specialized vocational, trade, business, or correspondence schools in its surveys. The Center for Education Statistics includes nursery schools and kindergartens that are part of regular grade schools in their enrollment figures. The Census Bureau includes all nursery schools and kindergartens. At the higher education level, the statistics of both agencies are concerned with institutions granting degrees or offering work acceptable for degree-credit, such as junior colleges.

School attendance.—All States require that children attend school. While State laws vary as to the ages and circumstances of compulsory attendance, generally they require that formal schooling begin by age 6 and continue to age 16.

Digitized by Google

Schools.—The Center for Education Statistics defines a *school* as "a division of the school system consisting of students composing one or more grade groups or other identifiable groups, organized as one unit with one or more teachers to give instruction of a defined type, and housed in a school plant of one or more buildings. More than one school may be housed in one school plant, as is the case when the elementary and secondary programs are housed in the same school plant."

Regular schools are those which advance a person toward a diploma or degree. They include public and private nursery schools, kindergartens, graded schools, colleges, universities, and professional schools. *Public* schools are schools controlled and supported by local, State, or Federal governmental agencies; *private* schools are those controlled and supported mainly by religious organizations or by private persons or organizations.

The Bureau of the Census defines *elementary* schools as including grades 1 through 8; *high* schools as including grades 9 through 12; and *colleges* as including junior or community colleges, regular 4-year colleges, and universities and graduate or professional schools. Statistics reported by the Center for Education Statistics and the National Education Association by type of organization, such as elementary level and secondary level, may not be strictly comparable with those from the Bureau of the Census because the grades included at the two levels vary, depending on the level assigned to the middle or junior high school by the local school systems.

School year.—Except as otherwise indicated in the tables, data refer to the school year which, for elementary and secondary schools, generally begins in September of the preceding year and ends in June of the year stated. For the most part, statistics concerning school finances are for a 12-month period, usually July 1 to June 30. Enrollment data generally refer to a specific point in time, such as fall, as indicated in the tables.

Statistical reliability.—For a discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to Census Bureau and the Center for Education Statistics data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 189. School Enrollment, 1955 to 1986, With Projections to 1990, and Number of Schools, 1955 to 1984

[In thousands. Enrollment as of fall; number of schools for school year ending the following year. See *Historical Statistics, Colonial Times to 1970*, series H421-429]

Item and year	Total		Elementary [1]		Secondary		College	
	Public	Private	Public	Private	Public	Private	Public	Private
Enrollment: [2]								
1955	32,164	5,777	22,159	3,800	8,521	600	[3] 1,484	[3] 1,177
1961	39,793	7,532	24,603	4,900	12,861	1,100	[3] 2,329	[3] 1,532
1965	46,144	8,251	26,670	4,900	15,504	1,400	3,970	1,951
1970	52,337	7,516	27,501	4,052	18,408	1,311	6,428	2,153
1971	52,890	7,344	27,688	3,900	18,398	1,300	6,804	2,144
1972	52,815	7,144	27,323	3,700	18,421	1,300	7,071	2,144
1973	52,850	7,183	26,435	3,700	18,995	1,300	7,420	2,183
1974	53,042	7,235	26,382	3,700	18,671	1,300	7,989	2,235
1975	53,628	7,350	25,640	3,700	19,151	1,300	8,835	2,350
1976	52,970	7,526	25,430	3,825	18,867	1,342	8,653	2,359
1977	52,424	7,577	24,954	3,797	18,623	1,343	8,847	2,437
1978	51,335	7,560	25,017	3,732	17,534	1,353	8,784	2,475
1979	50,682	7,533	24,543	3,700	17,102	1,300	9,037	2,533
1980	50,444	7,971	24,156	3,992	16,831	1,339	9,457	2,640
1981	49,746	8,224	23,819	4,100	16,280	1,400	9,647	2,724
1982	49,348	8,330	23,875	4,200	15,777	1,400	9,696	2,730
1983	49,035	8,497	24,010	4,315	15,342	1,400	9,683	2,782
1984	48,770	8,465	24,147	4,300	15,146	1,400	9,477	2,765
1985	48,992	8,368	24,285	4,300	15,228	1,300	9,479	2,768
1986 [4]	49,312	8,397	24,627	4,300	15,085	1,300	9,600	2,797
1990, proj.	50,459	8,452	26,779	4,500	14,119	1,200	9,561	2,752
Schools: [5]								
1955	(x)	(x)	104.4	12.4	26.0	3.9	.7	1.2
1961	(x)	(x)	81.9	14.8	25.4	4.1	.7	1.3
1965	(x)	(x)	73.2	15.3	26.6	4.6	.8	1.4
1970	(x)	(x)	65.8	14.4	25.4	3.8	1.1	1.5
1976	(x)	(x)	62.6	16.4	25.4	5.9	[6] 1.5	[6] 1.6
1978	(x)	(x)	62.0	16.1	24.5	5.8	[6] 1.5	[6] 1.7
1980	(x)	(x)	61.1	16.8	24.4	5.7	[6] 1.5	[6] 1.7
1984	(x)	(x)	58.8	(NA)	23.9	(NA)	[6] 1.5	[6] 1.8

NA Not available. X Not applicable. [1] Enrollment includes kindergarten. [2] For regular schools. [3] Degree-credit enrollment only. [4] Elementary and secondary data are estimates; higher education data are preliminary. [5] Excludes schools not reported by level, such as special education. Schools with both elementary and secondary programs are included under elementary and also secondary. [6] Branch campuses counted separately.

Source: U.S. Center for Education Statistics, *Digest of Education Statistics*, annual; and *Projections of Education Statistics*, biennial.

Digitized by Google

NO. 190. SCHOOL EXPENDITURES, BY TYPE OF CONTROL AND LEVEL OF INSTRUCTION: 1960 TO 1987

[**In millions of dollars. For school years ending in year shown.** Due to conceptual and methodological differences, these data may not agree with data in table 191. See also Appendix III. See *Historical Statistics, Colonial Times to 1970*, series H 494, 499, and 500 for related but not comparable data, and H 513–519 for private schools]

YEAR	Total	ELEMENTARY AND SECONDARY SCHOOLS			COLLEGES AND UNIVERSITIES		
		Total	Public	Private [1]	Total	Public	Private
1960	23,860	16,713	15,613	1,100	7,147	3,904	3,244
1970	68,459	43,183	40,683	2,500	25,276	16,234	9,041
1975	108,864	68,846	64,846	4,000	39,818	26,966	12,852
1976	118,706	75,101	70,601	4,500	43,605	29,736	13,869
1977	126,417	79,194	74,194	5,000	47,223	31,997	15,226
1978	137,042	86,544	80,844	5,700	50,498	34,031	16,467
1979	148,308	93,012	86,712	6,300	55,296	37,110	18,187
1980	165,627	103,162	95,962	7,200	62,465	41,434	21,031
1981	182,849	112,325	104,125	8,200	70,524	46,559	23,965
1982	197,801	120,486	111,186	9,300	77,315	50,813	26,502
1983	211,368	128,725	118,425	10,300	82,643	53,840	28,803
1984	228,597	139,000	127,500	11,500	89,597	58,124	31,473
1985, prel	247,157	148,900	136,500	12,400	98,257	63,704	34,553
1986 [1]	266,200	160,800	147,600	13,200	105,400	68,200	37,100
1987 [1]	282,100	170,000	156,000	14,000	112,100	72,600	39,500

[1] Estimated.

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 191. SCHOOL EXPENDITURES, BY SOURCE OF FUNDS: 1970 TO 1985

[**or school years ending in year shown.** Includes nursery, kindergarten, and special programs when provided by school system. All nonpublic school data and all data beginning 1960 are estimates. Due to revised methodology, data for 1970 and 1975 are not comparable to later years]

SOURCE OF FUNDS AND TYPE OF SCHOOL	TOTAL (bil. dol.)								PERCENT			
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1980	1984	1985
Total	70.4	111.1	164.7	179.8	197.8	211.4	228.6	247.2	100.0	100.0	100.0	100.0
ederal	7.5	12.1	18.9	20.0	18.5	18.7	19.7	21.1	10.7	11.5	8.6	8.5
tate	22.2	38.7	64.5	70.2	76.3	81.5	87.0	95.7	31.5	39.2	38.1	38.7
ocal	22.6	33.2	43.1	46.1	51.9	54.9	60.1	63.4	32.1	26.2	26.3	25.6
ll other	18.1	27.1	38.2	43.5	51.1	56.3	61.8	66.9	25.7	23.2	27.0	27.1
ublic	56.8	91.3	137.4	149.0	162.0	172.3	185.6	200.2	80.7	83.4	81.2	81.0
Federal	5.8	9.8	14.8	15.5	14.0	14.1	14.8	15.6	8.2	9.0	6.5	6.3
State	22.1	38.4	64.1	69.7	75.8	81.0	86.4	95.0	31.4	38.9	37.8	38.4
Local	22.5	33.1	42.9	46.0	51.7	54.7	59.9	63.2	32.0	26.1	26.2	25.6
All other	6.4	10.0	15.6	17.9	20.5	22.5	24.6	26.3	9.1	9.5	10.8	10.6
rivate	13.6	19.8	27.3	30.7	35.8	39.1	43.0	47.0	19.3	16.6	18.8	19.0
Federal	1.7	2.3	4.1	4.5	4.5	4.6	4.9	5.5	2.4	2.5	2.1	2.2
State and local	.2	.4	.6	.6	.7	.7	.8	.9	.2	.4	.3	.4
All other	11.7	17.1	22.6	25.6	30.7	33.8	37.2	40.6	16.6	13.7	16.3	16.4
lementary and secondary	45.7	72.2	102.2	109.3	120.5	128.7	139.0	148.9	100.0	100.0	100.0	100.0
Federal	3.4	6.0	9.4	9.5	8.2	8.4	8.7	8.9	7.4	9.2	6.3	6.0
State	15.8	27.2	44.9	48.5	52.8	56.8	60.7	66.3	34.6	43.9	43.7	44.5
Local	21.7	31.7	41.4	44.2	49.8	52.8	57.8	60.9	47.5	40.5	41.6	40.9
All other	4.8	7.3	6.6	7.1	9.6	10.7	11.9	12.8	10.5	6.4	8.6	8.6
Public	41.0	65.0	96.0	102.5	111.2	118.4	127.5	136.5	89.7	93.9	91.7	91.7
Federal	3.4	6.0	9.4	9.5	8.2	8.4	8.7	8.9	7.4	9.2	6.3	6.0
State	15.8	27.2	44.9	48.5	52.8	56.8	60.7	66.3	34.6	43.9	43.7	44.5
Local	21.7	31.7	41.4	44.2	49.8	52.8	57.8	60.9	47.5	40.5	41.6	40.9
All other	.1	.1	.3	.3	.3	.4	.4	.4	.2	.3	.3	.3
Private	4.7	7.2	6.3	6.8	9.3	10.3	11.5	12.4	10.3	6.1	8.3	8.3
stitutions of higher education	24.7	38.9	62.5	70.5	77.3	82.6	89.6	98.3	100.0	100.0	100.0	100.0
Federal	4.1	6.1	9.5	10.5	10.3	10.3	11.0	12.2	16.6	15.2	12.3	12.4
State	6.4	11.5	19.6	21.7	23.5	24.7	26.3	29.4	25.9	31.4	29.4	29.9
Local	.9	1.5	1.7	1.9	2.1	2.1	2.3	2.5	3.6	2.7	2.6	2.5
All other	13.3	19.8	31.6	36.5	41.5	45.6	49.9	54.1	53.9	50.6	55.7	55.0
Public	15.8	26.3	41.4	46.6	50.8	53.8	58.1	63.7	64.0	66.3	64.8	64.8
Federal	2.4	3.8	5.4	6.0	5.8	5.7	6.1	6.7	9.7	8.7	6.8	6.8
State	6.3	11.2	.2	21.2	23.0	24.1	25.7	28.7	25.5	30.7	28.7	29.2
Local	.8	1.4	1.5	1.8	1.9	1.9	2.1	2.3	3.2	2.5	2.3	2.3
All other	6.3	9.9	15.3	17.6	20.2	22.1	24.2	25.9	25.5	24.5	27.0	26.3
Private	8.9	12.6	21.0	24.0	26.5	28.8	31.5	34.6	36.0	33.7	35.2	35.2
Federal	1.7	2.3	4.1	4.5	4.5	4.6	4.9	5.5	6.9	6.5	5.5	5.6
State and local	.2	.4	.6	.6	.7	.7	.8	.9	.8	1.0	.9	.9
All other	7.0	9.9	16.3	18.8	21.4	23.5	25.7	28.2	28.3	26.2	28.7	28.7

Source: U.S. Department of Education, Center for Education Statistics, unpublished data.

Digitized by Google

No. 192. Federal Program Funds for Education and Related Activities, by Level of Education, Agency and Program: 1980 to 1985

(In millions of dollars. For fiscal years ending in June. To the extent possible, amounts reported represent outlays, rather than obligations)

Level, agency and program	1980	1982	1983	1984	1985 [1]
Total, all programs	**34,631.3**	**34,690.3**	**34,759.0**	**36,495.5**	**38,555.2**
Percent of Federal budget outlays	5.9	4.7	4.3	4.3	4.1
Elementary/secondary education [2]	**16,699.0**	**15,897.6**	**15,456.8**	**17,180.6**	**18,311.0**
Department of Education [3]	6,919.8	7,597.8	8,935.3	7,635.2	8,766.8
Grants for the disadvantaged	3,401.8	2,954.4	2,645.7	3,077.3	3,565.9
Education for the handicapped	821.8	1,141.4	1,289.7	952.8	1,402.8
Rehabilitation services and handicapped research	426.9	1,141.4	948.7	1,414.4	1,414.4
Vocational and adult education	663.4	817.5	717.6	742.5	914.3
Department of Agriculture [3]	4,520.3	3,527.9	3,727.2	4,448.1	4,755.8
Child nutrition programs	3,777.1	3,019.7	3,278.1	3,437.3	3,835.9
Agricultural Marketing Service—Commodities	443.6	363.5	362.3	895.5	790.8
Special milk programs	159.3	22.9	14.9	18.6	18.1
Department of Commerce: Local public works program—school facilities	54.8	5.4	1.3	.3	-
Department of Defense [3]	370.8	515.0	564.9	712.3	820.3
Junior ROTC	32.0	42.3	50.4	54.1	48.1
Overseas dependent schools	338.6	386.7	414.5	553.6	608.8
Department of Energy	94.9	23.1	48.2	23.2	[4].3
Department of Health and Human Services	1,078.3	1,282.8	1,222.0	1,475.7	1,640.1
Head Start	736.3	908.6	912.0	995.7	1,075.1
Social Security student benefits	342.0	374.0	310.0	480.0	565.0
Department of the Interior [3]	334.9	345.2	361.2	411.8	378.5
Mineral Leasing Act and other funds	111.4	173.6	143.9	187.6	147.8
Indian education	223.1	171.2	218.9	223.5	230.2
Department of Labor	1,850.0	1,790.4	1,827.0	1,751.0	1,264.7
Job Corps	470.0	570.0	563.0	595.8	604.5
Job Training Partnership Act [5]	1,380.0	1,220.4	1,264.0	1,155.3	660.2
Department of the Treasury: General Revenue Sharing—Education Share	934.8	411.2	415.3	411.0	414.9
Veterans' Administration	457.8	310.8	261.1	189.4	169.6
Non-collegiate and job training programs	440.0	291.8	244.1	174.2	154.5
Other elementary/secondary programs and agencies	82.6	88.2	93.3	122.7	100.2
Higher education [3]	**10,803.5**	**10,936.4**	**10,714.9**	**10,062.3**	**10,348.7**
Department of Education [3]	5,663.5	6,394.6	7,185.4	7,318.0	7,846.1
Student financial assistance	3,682.8	2,732.5	4,043.6	3,743.3	4,505.8
Guaranteed student loans	1,408.0	3,023.5	2,555.5	3,245.2	2,689.4
Higher education	399.8	379.3	364.4	419.2	476.3
Department of Agriculture	21.5	11.8	16.2	17.2	17.7
		630.6	698.7	856.5	963.6
			61.3	68.9	89.4
					395.0

Level, agency and program	1980	1982	1983	1984	1985 [1]
Higher education—Continued					
Department of Energy	[3] 82.4	[3] 19.8	39.8	19.7	8.8
University laboratory cooperative program	3.5	3.5	3.5	3.5	6.6
Energy conservation for buildings	77.5	13.8	36.3	16.1	(NA)
Department of Health and Human Services [3]	2,170.7	2,020.5	1,183.1	483.4	325.8
Health professions training	395.8	368.4	266.9	200.9	227.0
National Health Service Corps scholarships	70.7	59.8	32.0	14.5	5.7
Alcohol, drug abuse, mental health training programs	122.1	100.7	59.4	27.6	41.4
Health teaching facilities	3.1	4.2	40.4	6.1	1.4
Social Security postsecondary student benefits	1,559.0	1,478.0	773.0	220.0	35.0
Department of the Interior	63.3	96.6	94.8	121.1	92.8
Mineral Leasing Act and other funds	35.4	70.4	70.0	96.1	66.8
Indian programs	27.9	26.3	24.6	25.0	26.0
Department of Transportation	37.1	44.3	43.3	54.3	54.0
Other agencies [3]	2,251.3	1,700.9	1,435.5	1,172.4	1,022.9
Nat'l Science Foundation—Sci./engineering	64.6	87.6	50.1	29.7	53.0
U.S. Information Agency	49.5	60.0	68.0	17.4	20.2
Veterans Administration	1,784.0	1,525.8	1,268.4	[3] 1,070.4	[3] 949.2
College student support	1,606.7	1,333.7	1,088.9	839.1	711.0
Post Vietnam veterans	.9	14.4	24.9	52.2	87.1
Veterans dependents education	176.3	177.7	154.6	140.2	134.5
Other higher education programs	13.6	17.3	18.3	19.8	19.1
Other programs	**1,332.1**	**1,279.5**	**1,348.9**	**1,416.6**	**1,469.4**
Department of Education [3]	455.5	395.9	404.7	422.0	473.2
Libraries	264.8	101.4	124.5	87.1	123.3
Administration	170.1	265.7	248.0	307.4	305.8
Department of Agriculture	274.8	305.5	323.4	339.6	353.2
Department of Health and Human Services	37.8	46.6	44.9	48.9	56.5
Department of Justice	17.4	14.9	19.4	15.4	17.1
Department of State	25.0	21.2	23.8	23.1	25.7
Department of Transportation	12.7	6.0	6.2	4.8	2.9
Other programs and agencies [3]	508.9	489.5	526.6	562.8	540.8
Agency for International Development	80.5	105.4	109.8	101.4	114.8
Library of Congress	151.9	144.9	154.2	164.1	181.2
National Endowment for the Arts	135.9	112.9	121.9	145.4	163.2
National Endowment for the Humanities	85.8	68.4	74.3	74.8	(NA)
Research programs at universities and related institutions [7]	**5,796.7**	**6,576.8**	**7,238.3**	**7,836.3**	**8,426.1**
Department of Defense	644.5	889.9	1,112.2	1,072.5	1,250.0
Department of Energy	1,470.2	1,715.8	1,861.1	2,001.4	2,066.9
Department of Health and Human Services	2,087.1	2,194.7	2,448.9	2,750.7	2,810.9
Dept. of Health and Development	77.1	69.6	43.4	109.6	155.5
Agency for International Development	254.6	366.5	352.9	366.5	448.1
National Aeronautics and Space Admin.	743.8	857.8	1,006.0	1,006.0	1,135.7
National Science Foundation		787.0			

[1] Beginning 1982, includes stateside schools on military installations for free education of [illegible]. [2] Prior to 1983, covers CETA programs.

Digitized by Google

No. 193. Enrollment in Public and Private Schools, by Level, 1965 to 1986, and Projections, 1990

[**In thousands.** As of **fall.** Data are for regular day schools and exclude independent nursery schools and kindergartens, residential schools for exceptional children, subcollegiate departments of colleges, Federal schools for Indians, and federally operated schools on Federal installations. College data include degree-credit and nondegree-credit enrollment]

CONTROL OF SCHOOL AND LEVEL	1965	1970	1978	1979	1980	1981	1982	1983	1984	1985	1986, est.	1990
Total	54,394	59,653	58,895	58,215	58,415	57,972	57,678	57,532	57,235	57,360	57,710	58,911
Public	46,143	52,337	51,335	50,682	50,444	49,747	49,348	49,035	48,770	48,992	49,312	50,459
Private [1]	8,251	7,516	7,560	7,533	7,971	8,224	8,330	8,497	8,465	8,368	8,397	8,452
Kindergarten through 8	35,463	36,629	32,060	31,631	31,666	31,345	31,356	31,312	31,218	31,347	31,655	34,178
Public	30,563	32,577	28,328	27,931	27,874	27,245	27,156	26,997	26,918	27,047	27,355	29,678
Private [1]	4,900	4,052	3,732	3,700	3,992	4,100	4,200	4,315	4,300	4,300	4,300	4,500
Grades 9 through 12	13,010	14,643	15,576	15,014	14,652	14,255	13,896	13,755	13,775	13,787	13,857	12,470
Public	11,810	13,332	14,223	13,714	13,313	12,855	12,496	12,355	12,375	12,467	12,357	11,270
Private [1]	1,400	1,311	1,353	1,300	1,339	1,400	1,400	1,400	1,400	1,300	1,300	1,200
College	5,921	8,581	11,259	11,570	12,097	12,372	12,426	12,465	12,242	12,247	12,396	12,313
Public	3,970	6,428	8,784	9,037	9,457	9,647	9,696	9,683	9,477	9,479	9,600	9,561
Private	1,951	2,153	2,475	2,533	2,640	2,724	2,730	2,782	2,765	2,768	2,797	2,752

[1] Data for 1970 and later years have been revised since originally published.

Source: U.S. Dept. of Education, Center for Education Statistics, *Projections of Education Statistics*, biennial, *Digest of Education Statistics*, annual; and unpublished data.

No. 194. Enrollment in Public and Private Schools: 1960 to 1986

[**In millions, except percent. As of October.** For civilian noninstitutional population. For 1960, 5 to 34 years old; thereafter 3 to 34 years old (data for 35 years old and over not available by control of school)]

YEAR	PUBLIC						PRIVATE					
	Total	Nursery	Kindergarten	Elementary	High school	College	Total	Nursery	Kindergarten	Elementary	High school	College
1960	39.0	(NA)	27.5		9.2	2.3	7.2	(NA)	4.9		1.0	1.3
1965	45.5	.1	2.4	27.8	11.5	3.8	9.2	.4	.8	4.9	1.5	1.8
1970	52.2	.3	2.8	30.0	13.5	5.7	8.1	.8	.5	3.9	1.2	1.7
1975	52.8	.6	2.9	27.2	14.5	7.7	8.2	1.2	.5	3.3	1.2	2.0
1980	(NA)	.6	2.7	24.4	(NA)	(NA)	(NA)	1.4	.5	3.1	(NA)	(NA)
1982	49.2	.7	2.7	24.4	13.0	8.4	8.7	1.4	.8	3.0	1.1	2.6
1983	48.7	.8	2.7	24.2	12.8	8.2	9.0	1.5	.7	3.0	1.2	2.6
1984	49.0	.8	3.0	24.1	12.7	8.5	8.3	1.6	.5	2.7	1.1	2.4
1985	49.0	.9	3.2	23.8	12.8	8.4	9.0	1.6	.6	3.1	1.2	2.5
1986	49.2	.8	3.3	24.2	12.7	8.2	8.9	1.7	.8	3.0	1.2	2.5
Percent White:												
1960	85.7	(NA)	84.3		88.2	92.2	95.7	(NA)	95.3		96.7	96.3
1965	85.0	73.2	85.5	83.3	88.5	92.9	95.5	91.1	90.9	96.4	95.7	95.3
1970	84.5	59.5	84.4	83.1	85.8	90.7	93.4	91.1	88.2	94.1	96.1	92.8
1975	83.2	88.3	82.9	82.3	83.5	87.3	91.8	88.8	89.1	93.3	94.2	89.9
1980	(NA)	66.2	80.7	80.9	(NA)	(NA)	(NA)	89.0	87.0	90.7	(NA)	(NA)
1982	81.1	69.1	79.7	80.3	81.1	85.0	89.1	89.9	86.4	89.5	92.7	86.8
1983	80.9	69.8	80.8	79.9	80.8	84.9	89.0	88.8	89.8	90.8	89.2	86.9
1984	80.7	71.4	78.5	79.9	80.7	84.8	88.9	88.1	88.3	90.1	92.1	88.0
1985	80.3	72.2	79.0	79.1	80.4	85.1	89.9	89.8	86.7	90.8	92.2	88.7
1986	79.9	72.0	77.8	79.0	80.3	83.7	89.8	89.8	90.4	90.3	88.3	86.5

NA Not available.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409, and earlier reports; and unpublished data.

No. 195. School Enrollment, by Sex and by Level: 1960 to 1986

[**In millions.** As of **Oct.** For the civilian noninstitutional population. For 1960, persons 5 to 34 years old; **1965 and 1970,** 3 to 34 years old; thereafter, 3 years old and over. Elementary includes kindergarten and grades 1–8; high school, grades 9–12; and college, 2-year and 4-year colleges, universities, and graduate and professional schools. Data for college represent degree-credit enrollment]

YEAR	ALL LEVELS [1]			ELEMENTARY			HIGH SCHOOL			COLLEGE		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1960	46.3	24.2	22.0	32.4	16.7	15.7	10.2	5.2	5.1	3.8	2.3	1.2
1965	54.7	28.5	26.2	35.5	18.2	17.3	13.0	6.5	6.5	5.7	3.5	2.2
1970	60.4	31.4	28.9	37.1	19.0	18.1	14.7	7.4	7.3	7.4	4.4	3.0
1975	62.2	32.1	30.1	33.8	17.3	16.5	15.7	8.0	7.7	10.9	5.9	5.0
1978	60.0	30.5	29.5	31.5	16.1	15.3	15.6	7.9	7.7	11.1	5.8	5.8
1979	59.3	30.1	29.3	30.9	15.9	15.0	15.2	7.7	7.5	11.4	5.5	5.9
1980	58.6	29.6	29.1	30.8	15.8	14.9	14.8	7.3	7.3	11.4	5.4	6.0
1981 [2]	58.4	29.5	28.9	30.1	15.5	14.7	14.4	7.3	7.1	11.8	5.6	6.2
1981 [3]	59.9	30.3	29.6	31.0	15.9	15.0	14.7	7.5	7.3	12.1	5.8	6.3
1982	59.4	30.0	29.4	30.7	15.8	14.9	14.2	7.2	7.0	12.3	5.9	6.4
1983	59.3	30.1	29.2	30.6	15.7	14.8	14.1	7.1	7.0	12.3	6.0	6.3
1984	58.9	29.9	29.0	30.3	15.6	14.7	13.9	7.1	6.8	12.3	6.0	6.3
1985	59.8	30.0	29.7	30.7	15.7	15.0	14.1	7.2	6.9	12.5	5.9	6.6
1986	60.1	30.4	29.7	31.1	16.1	15.0	14.0	7.1	6.9	12.4	5.8	6.6

[1] Beginning 1965, includes nursery schools, not shown separately. [2] Population controls based on 1970 census; see text, sections 1 and 4. [3] Population controls based on 1980 census, see text, sections 1 and 4.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409, and earlier reports; and unpublished data.

Digitized by Google

No. 196. School Enrollment, by Age and Race: 1970 to 1986

[As of October. Covers civilian noninstitutional population enrolled in nursery school and above. Based on Current Population Survey, see text, section 1. See *Historical Statistics, Colonial Times to 1970*, series H 442-476 for enrollment 5-34 years old]

Age and race	Enrollment (1,000)				Rate			
	1970	1980	1985	1986	1970	1980	1985	1986
Total 3 to 34 years old [1]	**60,357**	**57,348**	**58,013**	**58,153**	**56.4**	**49.7**	**48.3**	**48.**
3 and 4 years old	1,461	2,280	2,801	2,813	20.5	36.7	36.9	38.
5 and 6 years old	7,000	5,853	6,697	6,917	99.5	95.7	96.1	95.
7 to 13 years old	28,943	23,751	22,849	22,987	99.2	99.3	99.2	99
14 and 15 years old	7,869	7,282	7,362	7,007	98.1	96.2	98.1	97
16 and 17 years old	6,927	7,129	6,854	6,861	90.0	89.0	91.7	92
18 and 19 years old	3,322	3,766	3,716	3,872	47.7	48.4	51.6	54
20 and 21 years old	1,949	2,515	2,708	2,430	31.9	31.0	35.3	3
22 to 24 years old	1,410	1,931	2,058	2,154	14.9	16.3	16.9	1
25 to 29 years old	1,011	1,714	1,942	1,882	7.5	9.3	9.2	
30 to 34 years old	466	1,105	1,218	1,290	4.2	6.4	6.1	
35 years old and over	(NA)	1,290	1,766	1,909	(NA)	1.4	1.7	
White: Total 3 to 34 years old	**51,719**	**47,673**	**47,452**	**47,267**	**56.2**	**48.9**	**47.8**	
3 and 4 years old	1,181	1,844	2,250	2,296	19.9	36.3	36.6	
5 and 6 years old	5,899	4,781	5,437	5,524	90.3	95.8	96.4	
7 to 13 years old	24,564	19,585	18,464	18,579	99.2	99.2	99.3	
14 and 15 years old	6,761	6,038	6,007	5,677	98.2	98.3	98.1	
16 and 17 years old	6,008	5,937	5,449	5,587	90.6	88.6	91.6	
18 and 19 years old	2,924	3,199	3,105	3,192	48.7	46.3	52.4	
20 and 21 years old	1,750	2,206	2,318	2,042	33.1	31.9	36.1	
22 to 24 years old	1,305	1,669	1,759	1,759	15.7	16.4	17.0	
25 to 29 years old	910	1,473	1,635	1,589	7.7	9.2	9.2	
30 to 34 years old	418	942	1,043	1,021	4.2	6.3	6.2	
35 years old and over	(NA)	1,104	1,533	1,644	(NA)	1.3	1.7	
Black: Total 3 to 34 years old	**7,829**	**8,251**	**8,444**	**8,556**	**57.4**	**53.9**	**50.**
3 and 4 years old	250	371	469	411	22.7	38.2	42.
5 and 6 years old	999	904	1,030	1,100	84.9	95.4	95.
7 to 13 years old	3,998	3,598	3,549	3,564	99.3	99.4	99
14 and 15 years old	1,025	1,066	1,106	1,079	97.6	97.9	97
16 and 17 years old	837	1,047	994	1,015	85.7	90.6	91
18 and 19 years old	352	494	472	518	40.1	45.7	44
20 and 21 years old	174	242	298	266	22.8	23.4	2
22 to 24 years old	84	196	215	261	8.0	13.6	1
25 to 29 years old	66	187	192	197	4.8	6.8	
30 to 34 years old	41	124	119	143	3.4	6.8	
35 years old and over [2]	(NA)	186	233	265	(NA)	1.8	

NA Not available. [1] Includes other races, not shown separately. [2] Black and other races.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpul

No. 197. Elementary and Secondary Schools—Enrollment and Teachers, by T Control, 1960 to 1986, and Projections, 1990

[In thousands, except percent. As of fall. Schools are classified by type of organization, rather than by grade grou includes kindergarten and secondary includes junior high. Minus sign (—) indicates decrease]

Item	Total				Public			Pri
	Number	Percent change [1]	Elementary	Secondary	Number	Elementary	Secondary	Number
Enrollment: 1960	42,181	3.6	29,150	13,031	36,281	24,350	11,931	5,900
1965	48,473	2.8	31,570	16,904	42,173	26,670	15,504	6,300
1970	51,272	1.1	31,553	19,719	45,909	27,501	18,408	5,363
1975	49,791	—.6	29,340	20,451	44,791	25,640	19,151	5,000
1980	46,318	—1.4	28,148	18,170	40,987	24,156	16,831	5,331
1985	45,113	—.5	28,585	16,528	39,513	24,285	15,228	5,600
1986 [2]	45,312	.4	28,927	16,385	39,712	24,627	15,085	5,600
1990 [3]	46,598	.7	31,279	15,319	40,898	26,779	14,119	5,700
Teachers: 1960	1,600	4.5	991	609	1,408	858	550	192
1965	1,933	3.9	1,112	822	1,710	965	746	223
1970	2,288	3.4	1,281	1,007	2,055	1,128	927	233
1975	2,451	1.4	1,352	1,099	2,196	1,180	1,016	255
1980	2,463	.1	1,389	1,074	2,162	1,177	985	301
1985	2,553	.7	1,476	1,078	2,210	1,230	981	343
1986 [2]	2,551	—.1	1,496	1,055	2,203	1,246	957	348
1990 [3]	2,666	1.3	1,676	1,010	2,315	1,394	921	371

[1] Average from prior year shown; for 1960, change from 1955. For explanation of average annual change, se Presentation. [2] Data beginning 1970 are estimated. [3] Estimate. [4] Projection.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual, and

Digitized by Google

No. 198. Preprimary School Enrollment of Children 3 to 5 Years Old: 1970 to 1986

[As of October. Civilian noninstitutional population. Includes public and nonpublic nursery school and kindergarten programs. Excludes 5 year olds enrolled in elementary school. The method of identifying Hispanic children was changed in 1980 from allocation based on status of mother to status reported for each child. The number of Hispanic children using the new method is larger. Based on Current Population Survey; see text, section 1]

Item	Number of children (1,000)							Enrollment rate			
	1970	1975	1980	1983	1984	1985	1986	1970	1980	1985	1986
Population, 3–5 years old	10,877	10,183	9,284	10,252	10,612	10,733	10,866	(x)	(x)	(x)	(x)
Total enrolled [1] [2]	**4,075**	**4,954**	**4,878**	**5,385**	**5,480**	**5,865**	**5,971**	**37.5**	**52.5**	**54.6**	**55.0**
Nursery	1,093	1,745	1,982	2,347	2,335	2,477	2,545	(x)	(x)	(x)	(x)
Private	762	1,174	1,353	1,538	1,593	1,631	1,715	(x)	(x)	(x)	(x)
Kindergarten	2,982	3,209	2,896	3,038	3,145	3,388	3,426	(x)	(x)	(x)	(x)
Public	[3] 2,476	2,682	2,438	2,416	2,668	2,847	2,859	(x)	(x)	(x)	(x)
White	3,414	4,105	3,994	4,430	4,411	4,757	4,851	37.8	52.7	54.7	55.2
Black	585	731	725	758	845	919	892	34.9	51.8	55.8	54.1
Hispanic [4]	(NA)	(NA)	370	406	380	496	593	(NA)	43.3	43.3	47.8
3 years old	454	683	857	1,005	1,004	1,035	1,041	13.0	27.3	28.8	28.9
4 years old	1,003	1,418	1,423	1,619	1,603	1,765	1,772	27.9	48.3	49.1	49.0
5 years old	2,617	2,852	2,598	2,762	2,872	3,065	3,157	69.2	84.7	86.5	86.7
LABOR FORCE STATUS OF MOTHER											
All races: [5] With mother in labor force [6]	1,345	2,168	2,480	2,853	2,969	3,308	3,403	38.8	57.1	58.1	58.9
3 and 4 years old	526	973	1,252	1,453	1,490	1,656	1,666	23.5	43.2	43.6	44.1
5 years old	818	1,195	1,229	1,399	1,479	1,849	1,717	66.6	85.2	87.2	88.0
Married, spouse present	1,131	1,733	1,976	2,296	2,366	2,729	2,715	39.5	56.7	58.8	59.1
Other marital status	214	435	504	556	603	577	688	36.0	59.1	55.7	58.1
Employed	1,246	1,948	2,256	2,578	2,702	2,999	3,159	39.3	58.2	59.1	59.8
Full-time	770	1,236	1,445	1,655	1,740	1,969	2,066	38.6	57.4	57.4	59.9
Mother not in labor force	2,694	2,704	2,266	2,378	2,311	2,372	2,361	37.0	48.9	50.4	50.0
White: With mother in labor force [6]	1,031	1,723	1,976	2,307	2,324	2,651	2,791	39.1	56.8	58.0	59.0
3 and 4 years old	374	740	967	1,160	1,148	1,310	1,377	22.1	41.9	42.9	43.6
5 years old	657	983	1,007	1,147	1,176	1,341	1,414	69.2	86.3	88.4	89.7
Married, spouse present	913	1,449	1,671	1,953	1,992	2,329	2,346	39.1	56.6	59.0	59.4
Other marital status	119	273	305	354	332	322	445	38.9	58.7	51.7	56.8
Employed	959	1,566	1,840	2,130	2,154	2,467	2,624	39.3	57.8	59.1	59.9
Full-time	557	941	1,127	1,300	1,294	1,535	1,627	38.2	56.8	56.5	59.6
Mother not in labor force	2,354	2,331	1,914	2,007	1,925	1,973	1,909	37.4	49.4	51.0	50.4
Black: With mother in labor force [6]	281	372	438	458	536	548	494	36.8	59.2	60.2	58.5
3 and 4 years old	138	191	244	243	284	300	260	27.3	48.9	49.1	46.8
5 years old	143	181	193	214	252	248	234	55.6	80.5	83.1	80.8
Married, spouse present	192	221	240	272	276	311	267	39.4	57.7	60.0	57.1
Other marital status	89	151	198	186	260	237	227	32.2	61.8	60.3	60.2
Employed	256	313	356	366	443	439	424	37.9	60.5	60.3	59.3
Full-time	195	244	266	302	367	361	357	39.0	60.0	62.6	62.1
Mother not in labor force	298	330	285	266	274	321	350	33.9	45.4	48.6	49.0
Hispanic: [4] With mother in labor force [6]	(NA)	(NA)	181	205	154	239	254	(NA)	50.8	49.3	53.0
3 and 4 years old	(NA)	(NA)	101	84	75	112	100	(NA)	39.6	33.5	33.2
5 years old	(NA)	(NA)	79	120	79	127	154	(NA)	79.2	83.8	86.3
Married, spouse present	(NA)	(NA)	146	175	129	188	173	(NA)	50.3	50.4	55.0
Other marital status	(NA)	(NA)	34	30	25	51	81	(NA)	59.3	45.5	49.4
Employed	(NA)	(NA)	165	180	133	223	235	(NA)	52.1	52.1	55.0
Full-time	(NA)	(NA)	128	142	106	186	179	(NA)	49.2	53.4	57.4
Mother not in labor force	(NA)	(NA)	174	195	203	237	322	(NA)	36.8	38.8	44.4
EDUCATION OF MOTHER											
All races: [7] Total mothers	4,038	4,871	4,747	5,230	5,280	5,678	5,764	37.6	52.9	54.6	54.9
Elementary: 0 to 8 years	272	319	287	344	322	369	354	22.4	36.9	40.9	41.5
High school: 1 to 3 years	751	698	639	598	585	589	618	31.9	44.5	44.3	46.5
4 years	1,699	2,130	2,081	2,190	2,257	2,466	2,433	38.0	51.0	53.3	52.7
College: 1 to 3 years	654	946	887	1,031	1,086	1,191	1,236	48.7	60.6	61.4	60.1
4 years or more	462	780	853	1,067	1,030	1,062	1,123	55.8	70.3	66.6	68.4
White: Total mothers	3,385	4,054	3,890	4,315	4,250	4,624	4,700	37.9	52.9	54.8	55.2
Elementary: 0 to 8 years	184	212	197	255	231	269	246	21.8	34.5	40.9	38.7
High school: 1 to 3 years	544	483	426	419	386	377	420	31.1	42.9	41.7	45.1
4 years	1,657	1,813	1,751	1,804	1,856	2,019	2,038	37.9	50.5	52.9	53.1
College: 1 to 3 years	578	847	767	873	878	1,018	1,020	48.0	61.1	61.8	60.1
4 years or more	422	698	749	964	896	941	976	55.6	70.4	67.8	69.0
Black: Total mothers	579	702	723	724	810	869	845	35.3	52.9	55.3	54.1
Elementary: 0 to 8 years	80	94	72	60	42	65	80	24.1	43.9	42.4	52.3
High school: 1 to 3 years	187	200	197	160	176	203	181	33.2	48.5	53.1	50.5
4 years	218	279	295	326	340	391	317	37.9	54.4	56.8	49.5
College: 1 to 3 years	69	82	100	119	171	142	185	54.8	57.8	59.7	64.5
4 years or more	25	46	59	60	82	68	82	(B)	72.1	63.2	67.4
Hispanic: [4] Total mothers [8]	(NA)	(NA)	354	400	357	475	576	(NA)	42.8	43.4	47.8
Elementary: 0 to 8 years	(NA)	(NA)	90	124	116	162	167	(NA)	28.7	39.0	38.1
High school: 1 to 3 years	(NA)	(NA)	73	85	77	78	101	(NA)	42.9	41.0	43.8
4 years	(NA)	(NA)	131	121	106	136	205	(NA)	51.4	41.8	55.9
College: 1 to 3 years	(NA)	(NA)	40	45	40	72	71	(NA)	(B)	62.6	61.5

B Base too small to meet standards of reliability. NA Not available. X Not applicable. [1] Includes children with mothers whose labor force status is unknown and children with no mother present in household, not shown separately. [2] Includes other races not shown separately. [3] Estimated. [4] Hispanic persons may be of any race. [5] Includes children with mothers who are unemployed, not shown separately. [6] Includes mothers with 4 years of college or more.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 318; and unpublished data.

Digitized by Google

No. 199. Public School Enrollment in Regular Schools, by Level—States: 1980 and 1985

[In thousands. As of fall. Includes unclassified students. See also Appendix III]

STATE	PRE-KINDERGARTEN THROUGH GRADE 8		GRADES 9–12 [2]		HIGHER EDUCATION [3]	
	1980	1985 [1]	1980	1985 [1]	1980	1985 [1]
U.S	**27,674**	**27,047**	**13,313**	**12,467**	**[4] 9,457**	**[4] 9,479**
AL	528	517	231	213	144	159
AK	60	77	26	30	21	27
AZ	357	386	157	162	194	202
AR	310	304	138	130	66	66
CA	2,761	2,927	1,357	1,329	1,600	1,444
CO	374	379	172	172	148	142
CT	364	321	168	141	98	99
DE	62	63	37	30	28	28
DC	71	62	29	25	14	13
FL	1,042	1,086	468	477	334	362
GA	742	757	327	323	140	149
HI	110	112	55	53	43	43
ID	144	149	59	59	34	34
IL	1,335	1,246	649	580	491	520
IN	708	654	347	312	189	194
IA	351	324	183	161	97	110
KS	283	286	133	125	122	127
KY	464	449	206	195	115	111
LA	544	571	234	221	137	153
ME	153	140	70	66	32	33
MD	493	446	258	225	195	199
MA	676	559	346	285	184	186
MI	1,227	1,104	638	586	454	434
MN	482	468	272	237	162	174
MS	330	330	147	141	91	91
MO	567	544	277	251	165	169
MT	106	108	50	46	31	32
NE	189	184	91	82	74	81
NV	101	107	49	48	40	4
NH	112	107	55	54	24	2
NJ	820	740	426	376	247	23
NM	186	187	85	90	55	6
NY	1,838	1,703	1,033	918	563	5
NC	786	749	343	337	228	2
ND	77	84	40	35	32	
OH	1,312	1,206	645	588	382	3
OK	399	414	179	178	137	1
OR	319	305	145	142	140	
PA	1,231	1,093	678	591	292	
RI	95	90	53	43	35	
SC	426	424	193	183	108	
SD	86	88	42	37	24	
TN	602	575	252	239	157	
TX	2,049	2,261	851	871	614	
UT	250	299	93	105	60	
VT	66	63	29	27	18	
VA	703	665	307	303	247	
WA	515	507	242	243	276	
WV	270	249	113	109	71	
WI	528	501	303	267	235	
WY	70	74	28	29	21	

[1] Preliminary. [2] Includes postgraduates. [3] See headnote, table 244. [4] Includes U.S. military academies not shown separately.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 200. Public Elementary and Secondary Schools, by Grade Span—States: 19

[For school year ending in year shown. Schools classified by type of organization rather than by grade-group. See Appe

STATE	Total	Elementary [1]	Secondary [2]	Combined and other [3]
U.S	**84,007**	**57,231**	**22,320**	**4,456**
AL	1,339	799	325	215
AK	447	165	78	204
AZ	885	622	216	47
AR	1,168	710	452	6
CA	7,621	4,932	1,887	802
CO	1,282	853	415	14
CT	962	689	245	28
DE	165	96	52	17
DC	179	121	50	8
FL	2,282	1,480	457	345
GA	1,771	1,295	439	37
HI	230	162	54	14
ID	586	368	188	30
IL	4,342	3,037	1,024	281
IN	1,927	1,339	485	103
IA	1,705	1,060	605	40
KS	1,485	1,014	469	2
KY	1,379	983	354	42
LA	1,507	952	371	184
ME	759	569	176	14
MD	1,219	856	297	66
MA	1,806	1,335	433	38
MI	3,804	2,742	896	166
MN	1,568	942	558	68
MS	889	448		21
MO	2,144	1,359		62
MT	779	560		2
NE	1,648	1,257		3
NV	296	208		
NH	435	329		
NJ	2,256	1,703		4
NM	638	454		
NY	3,951	2,676		1,1
NC	1,976	1,388		
ND	564	400		
OH	3,784	2,646		1
OK	1,670	1,186		
OR	1,250	916		
PA	3,373	2,375		
RI	286	218		
SC	1,121	781		
SD	734	481		
TN	1,685	1,175		
TX	5,739	3,969		
UT	694	464		
VT	377	309		
VA	1,802	1,263		
WA	1,685	1,092		
WV	1,104	763		
WI	2,023	1,407		
WY	386	283		

– Represents zero. [1] Includes schools beginning with grade 6 or below and no grade higher than 8. [2] with no grade lower than 8. [3] Includes special education, alternative, and other schools not classified by grade s

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

Digitized by Google

NO. 201. YEARS OF SCHOOL COMPLETED, BY AGE AND RACE: 1940 TO 1986

[Through **1980**, as of **April 1**; beginning **1984** as of **March**. Excludes Armed Forces, except members living off post or with families on post. Beginning 1960, excludes inmates of institutions. 1940 based on complete count; 1950 based on 20-percent sample; 1960 on 25-percent sample; 1970 on 20-percent sample; and 1980 on 17-percent sample; beginning 1984 based on Current Population Survey; see text, section 1. For definition of median, see Guide to Tabular Presentation]

AGE AND YEAR	ALL PERSONS					BLACK PERSONS				
	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed	Percent not high school graduates		Percent with 4 years of high school or more		Median school years completed
	Total	With less than 5 yr. of school	Total	College, 4 yr. or more		Total	With less than 5 yr. of school	Total	College, 4 yr. or more	
25 years and over:										
1940	75.5	13.7	24.5	4.6	8.6	92.7	42.0	7.3	1.3	5.7
1950	65.7	11.1	34.3	6.2	9.3	87.1	32.9	12.9	2.1	6.8
1960	58.9	8.3	41.1	7.7	10.6	79.9	23.8	20.1	3.1	8.0
1970	47.7	5.5	52.3	10.7	12.1	68.6	14.6	31.4	4.4	9.8
1980	33.5	3.6	66.5	16.2	12.5	48.8	8.2	51.2	8.4	12.0
1984	26.7	2.8	73.3	19.1	12.6	41.5	7.0	58.5	10.4	12.2
1985	26.1	2.7	73.9	19.4	12.6	40.2	6.2	59.6	11.1	12.3
1986	25.3	2.7	74.7	19.4	12.6	37.7	5.4	62.3	10.9	12.3
25–29 years:										
1940	61.9	5.9	38.1	5.9	10.3	88.4	27.7	11.6	1.6	7.0
1950	49.5	4.7	52.8	7.7	12.0	80.4	16.8	22.2	2.7	8.6
1960	39.3	2.8	60.7	11.1	12.3	62.3	7.0	37.7	4.8	9.9
1970	26.2	1.7	73.8	16.3	12.6	44.6	3.2	55.4	6.0	12.1
1980	15.5	1.1	84.5	22.1	12.9	24.8	1.1	75.2	11.4	12.6
1984	14.1	.8	85.9	21.9	12.8	21.2	.9	78.9	11.6	12.6
1985	13.9	.7	86.1	22.2	12.9	19.4	.4	80.6	11.5	12.7
1986	13.9	.9	86.1	22.4	12.9	16.7	.5	83.4	11.8	12.7

Source: U.S. Bureau of the Census, *U.S. Census of Population, 1940, 1950, 1960, 1970,* and *1980,* vol. I; and *Current Population Reports,* series P–20, forthcoming reports.

NO. 202. YEARS OF SCHOOL COMPLETED, BY RACE, HISPANIC ORIGIN, AND SEX: 1960 TO 1986

[**Persons 25 years old and over.** Hispanic persons may be of any race. For definition of median, see Guide to Tabular Presentation. See headnote, table 201. See also *Historical Statistics, Colonial Times to 1970,* series H 602–617]

YEAR, RACE, HISPANIC, AND SEX	Population (1,000)	PERCENT OF POPULATION COMPLETING—							Median school years completed
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years or more	
1960, all races	**99,438**	**8.3**	**13.8**	**17.5**	**19.2**	**24.6**	**8.8**	**7.7**	**10.6**
White	89,581	6.7	12.6	18.1	19.3	25.8	9.3	8.1	10.9
Male	43,259	7.4	13.7	18.7	18.9	22.2	9.1	10.3	10.7
Female	46,322	6.0	11.9	17.8	19.6	29.2	9.5	6.0	11.2
Black	9,054	23.8	24.2	12.9	19.0	12.9	4.1	3.1	8.0
Male	4,240	28.3	23.9	12.3	17.3	11.3	4.1	2.8	7.7
Female	4,814	19.8	24.5	13.4	20.5	14.3	4.1	3.3	8.6
1970, all races	**109,899**	**5.5**	**10.0**	**12.8**	**19.4**	**31.1**	**10.6**	**10.7**	**12.1**
White	98,246	4.5	9.1	13.0	18.6	32.2	11.1	11.3	12.1
Male	46,527	4.8	9.7	13.3	18.2	28.5	11.1	14.4	12.1
Female	51,718	4.1	8.6	12.8	19.4	35.5	11.1	8.4	12.1
Black	10,375	14.6	18.7	10.5	24.6	21.2	5.9	4.4	9.8
Male	4,714	17.7	19.1	10.2	22.9	20.0	6.0	4.2	9.4
Female	5,661	12.0	18.1	10.8	26.4	22.2	5.8	4.6	10.1
Hispanic	3,946	19.5	18.6	11.5	16.2	21.1	6.5	4.5	9.1
Male	1,897	19.1	18.0	11.3	16.1	19.9	7.6	5.9	9.3
Female	2,050	19.9	19.2	11.6	16.3	22.3	5.4	3.2	8.9
1980, all races	**132,836**	**3.6**	**6.7**	**8.0**	**15.3**	**34.6**	**15.7**	**16.2**	**12.5**
White	114,290	2.6	5.8	8.2	14.6	35.7	16.0	17.1	12.5
Male	53,941	2.8	6.0	8.0	13.8	31.8	16.4	21.3	12.5
Female	60,349	2.5	5.6	8.4	15.5	39.1	15.6	13.3	12.6
Black	13,195	8.2	11.7	7.1	21.8	29.3	13.5	8.4	12.0
Male	5,895	10.0	12.0	6.7	20.5	28.3	14.0	8.4	12.0
Female	7,300	6.7	11.6	7.3	22.9	30.0	13.2	8.3	12.0
Hispanic	6,739	15.5	16.6	6.1	15.8	24.4	12.0	7.6	10.8
Male	3,247	15.2	16.2	7.7	15.5	22.6	13.4	9.4	11.1
Female	3,493	15.8	17.1	8.4	16.1	26.0	10.6	6.0	10.6
1986, all races	**146,606**	**2.7**	**4.7**	**6.0**	**11.9**	**38.4**	**16.9**	**19.4**	**12.6**
White	127,269	2.2	4.2	6.1	11.3	39.0	17.1	20.1	12.7
Male	60,770	2.4	4.2	6.1	10.8	35.2	17.3	24.0	12.6
Female	66,500	2.1	4.2	6.1	11.8	42.5	16.9	16.4	12.6
Black	15,234	5.4	8.3	5.6	18.5	35.6	15.6	10.9	12.3
Male	6,779	6.6	8.9	5.2	17.7	34.3	16.0	11.2	12.3
Female	8,455	4.3	7.6	5.9	19.0	36.6	15.6	10.7	12.4
Hispanic	9,030	12.9	15.9	6.1	14.7	26.4	11.6	8.4	11.7
Male	4,397	13.3	15.5	7.3	14.7	27.4	12.3	9.5	11.8
Female	4,633	12.5	16.2	6.9	14.7	29.4	11.0	7.4	11.5

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960,* vol. I; *1970,* vols. I and II; *1980,* vol. I, chapter C, and *Current Population Reports,* series P–20, No. 403.

Digitized by Google

No. 203. Years of School Completed, by Race, Sex, and Age: 1986

[**Persons 25 years old and over.** As of **March 1986.** See headnote, table 201. For definition of median, see Guide to Tabular Presentation]

Race, sex, and age	Population (1,000)	Percent of population completing—							Median school years completed
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years or more	
All races	**146,806**	**2.7**	**4.7**	**6.0**	**11.9**	**38.4**	**16.9**	**19.4**	**12.6**
Male	69,503	2.6	4.7	6.0	11.3	34.9	17.1	23.2	12.7
Female	77,102	2.5	4.6	6.0	12.5	41.6	16.7	16.1	12.6
25–29 years	21,619	.9	1.6	1.6	9.6	42.2	21.6	22.4	12.9
30–34 years	20,434	.9	1.7	1.6	8.2	40.1	21.7	25.7	12.9
35–44 years	32,508	1.2	2.5	2.6	9.0	38.9	20.5	25.5	12.9
45–54 years	22,662	2.3	4.0	4.7	12.6	42.0	15.2	19.1	12.6
55 years old and over	49,383	5.3	9.0	12.7	16.5	34.2	11.2	11.7	12.2
Black	**15,234**	**5.4**	**8.3**	**5.6**	**18.5**	**35.6**	**15.8**	**10.9**	**12.3**
25–29 years	2,664	.5	.6	1.2	14.1	47.0	24.5	11.8	12.7
30–34 years	2,417	.7	1.4	2.5	15.2	44.1	20.4	15.6	12.7
35–44 years	3,408	1.0	3.1	2.4	17.7	40.6	20.5	14.6	12.6
45–54 years	2,403	3.2	7.4	6.9	23.6	36.0	13.2	9.6	12.2
55 years old and over	4,323	15.6	21.2	11.9	20.7	19.5	5.5	5.6	9.
Hispanic origin [1]	**9,030**	**12.9**	**15.9**	**8.1**	**14.7**	**28.4**	**11.6**	**8.4**	**11.**
25–29 years	1,882	5.6	12.0	6.4	17.0	33.7	16.3	9.0	12
30–34 years	1,594	6.5	14.5	5.0	16.1	33.6	13.6	10.9	12
35–44 years	2,209	10.2	15.2	7.7	14.2	29.2	13.6	9.8	12
45–54 years	1,453	13.8	17.3	8.1	15.5	28.7	9.1	7.4	11
55 years old and over	1,891	27.6	20.6	13.0	11.2	17.7	4.8	4.9	1

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

No. 204. Percent of Population With Less Than 5 Years of School and With 4 Years of High School or More, by Age, Race, and Hispanic Origin: 1970 to 1986

[**Persons 25 years old and over.** As of **April 1970** and **1980**, and **March 1975** and **1986**]

Race and Hispanic origin	Less than 5 years of school								4 years of high school or more							
	1970	1975	1980	1986					1970	1975	1980	1986				
				Total	25–34 yr.	35–44 yr.	45–64 yr.	65 yr. and over				Total	25–34 yr.	35–44 yr.	45–64 yr.	
All races [1]	**5.5**	**4.2**	**3.6**	**2.7**	**.9**	**1.2**	**3.0**	**6.5**	**52.3**	**62.5**	**66.5**	**74.7**	**86.8**	**84.8**	**71.8**	
White	4.5	3.3	2.6	2.2	.9	1.1	2.4	5.0	54.5	64.6	68.6	76.2	87.5	86.0	74.1	
Black	14.6	12.3	6.2	5.4	.6	1.0	6.0	21.3	31.4	42.5	51.2	62.3	81.9	75.8	50.1	
Hispanic [2]	19.5	16.5	15.5	12.9	6.0	10.2	17.5	33.1	32.1	37.9	44.0	48.5	59.8	52.7	41.	
Mexican	28.5	24.6	20.1	16.3	7.9	13.4	22.7	44.1	24.2	31.0	37.6	43.3	54.7	47.0	33.	
Puerto Rican	20.5	17.4	14.1	10.6	1.0	6.6	19.6	36.6	23.4	28.7	40.1	44.7	58.1	47.3	31.	
Cuban	6.2	7.3	7.3	6.6	–	3.4	10.9	19.5	43.9	51.7	55.3	59.1	80.0	72.6	55.	
Other [3]	6.8	7.6	6.3	6.7	4.8	4.9	7.3	16.5	44.9	58.0	57.4	60.0	64.7	65.0	57.	

– Represents or rounds to zero. [1] Includes races not shown separately. [2] Hispanic persons may be of a
[3] Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vols. I and II, *1980 Census of Population*, vol. I, ch *Current Population Reports*, series P-20, No. 403; and unpublished data.

No. 205. School Days Lost Associated With Acute Conditions: 1962 to 1985

[**Days lost per year per 100 children, ages 6–16, beginning 1984, ages 5–17.** Based on data collected during the pe of the previous year to June of the year shown through 1980; beginning 1984 is based on calendar year data. Ba sample of the civilian noninstitutionalized population; see Appendix III]

Condition	1962	1965	1970	1975	1980	1984	1985			
							Total [1]	Male	Female	Wh
All acute conditions	**521**	**456**	**452**	**451**	**487**	**414**	**387**	**348**	**428**	
Infective and parasitic diseases	108	139	90	61	99	88	94	67	101	
Respiratory conditions	342	238	264	281	282	247	216	190	242	
Upper respiratory	174	147	147	121	116	88	91	86	96	
Influenza and other	168	91	117	140	164	159	124	104	146	
Digestive system conditions	14	13	24	21	22	19	[2] 13	[2] 15	[2] 11	[2]
Injuries	27	29	36	52	37	20	24	28	[2] 20	
All other acute conditions	29	38	38	36	47	41	41	29	[2] 54	

[1] Includes other races not shown separately. [2] Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, series 10, and unpublished data.

Digitized by Google

No. 206. Public Elementary and Secondary Schools—Summary: 1975 to 1987

[For school year ending in year shown, except as indicated. Data are estimates]

Item	Unit	1975	1980	1981	1982	1983	1984	1985	1986	1987
School districts, total	Number	16,524	16,044	16,001	15,959	15,909	15,857	15,812	15,739	15,681
ENROLLMENT										
Population 5–17 years old [1]	1,000	51,498	48,041	47,236	46,353	45,655	45,130	44,942	44,975	45,143
Percent of resident population	Percent	24.1	21.4	20.8	20.2	19.7	19.3	19.0	18.8	18.7
Fall enrollment [2]	1,000	45,135	41,778	41,021	40,119	39,680	39,406	39,354	39,530	39,801
Percent of population 5–17 years old	Percent	87.6	87.0	86.8	86.6	86.9	87.3	87.6	87.9	88.2
Elementary [3]	1,000	25,780	24,397	24,140	24,082	23,863	23,872	23,686	23,960	24,360
Secondary [4]	1,000	19,355	17,381	16,881	16,037	15,796	15,736	15,668	15,570	15,440
Average daily:										
Membership (ADM)	1,000	44,442	40,812	40,182	39,306	38,883	38,589	38,751	38,706	38,902
Attendance (ADA)	1,000	41,476	38,411	37,857	37,072	36,752	36,490	36,505	36,642	36,838
High school graduates	1,000	2,840	2,762	2,731	2,711	2,611	2,503	2,424	2,384	2,377
INSTRUCTIONAL STAFF										
Total	1,000	2,453	2,521	2,485	2,455	2,436	2,439	2,474	2,515	2,540
Classroom teachers	1,000	2,171	2,211	2,192	2,158	2,135	2,142	2,174	2,210	2,233
Average salaries:										
Instructional staff	Dollar	12,167	16,715	18,404	20,327	21,630	22,895	24,655	26,291	27,878
Classroom teachers	Dollar	11,690	15,970	17,644	19,274	20,693	21,917	23,595	25,206	26,704
REVENUES										
Revenue receipts	Mil. dol	63,047	97,635	106,552	113,999	120,760	128,930	141,010	151,334	160,909
Federal	Mil. dol	5,089	9,020	9,285	8,419	8,623	8,802	9,283	9,787	9,959
State	Mil. dol	27,472	47,929	51,376	54,573	57,558	61,604	69,139	75,332	80,433
Local	Mil. dol	30,486	40,686	45,892	51,007	54,579	58,524	62,588	66,214	70,517
Percent of revenue receipts										
Federal	Percent	8.1	9.2	8.7	7.4	7.1	6.8	6.6	6.5	6.2
State	Percent	43.6	49.1	48.2	47.9	47.7	47.8	49.0	49.8	50.0
Local	Percent	48.4	41.7	43.1	44.7	45.2	45.4	44.4	43.8	43.8
EXPENDITURES										
Total	Mil. dol	62,340	96,105	105,103	113,005	119,158	126,712	138,736	150,915	160,479
Current expenditures (day schools)	Mil. dol	53,333	85,661	94,210	102,048	108,773	116,082	126,857	137,605	146,244
Other current expenditures [5]	Mil. dol	1,748	1,859	2,004	2,227	2,003	2,017	2,075	2,177	2,189
Capital outlay	Mil. dol	5,409	6,504	6,732	6,404	6,131	6,291	7,296	8,555	9,341
Interest on school debt	Mil. dol	1,850	2,081	2,156	2,326	2,252	2,333	2,508	2,577	2,705
Percent of total:										
Current expenditures (day schools)	Percent	85.6	89.1	89.6	90.3	91.3	91.6	91.4	91.2	91.1
Other current expenditures [5]	Percent	2.8	1.9	1.9	2.0	1.7	1.6	1.5	1.4	1.4
Capital outlay	Percent	8.7	6.8	6.4	5.7	5.2	5.0	5.3	5.7	5.8
Interest on school debt	Percent	3.0	2.2	2.1	2.1	1.9	1.8	1.8	1.7	1.7
In current dollars:										
Revenue receipts per pupil in—										
ADA	Dollar	1,520	2,542	2,815	3,075	3,286	3,533	3,863	4,130	4,368
ADM	Dollar	1,419	2,392	2,652	2,900	3,105	3,341	3,638	3,910	4,136
Current expenditures per pupil in—										
ADA	Dollar	1,286	2,230	2,489	2,753	2,960	3,181	3,475	3,755	3,970
ADM	Dollar	1,200	2,099	2,345	2,596	2,797	3,008	3,274	3,555	3,759
In constant (1987) dollars: [6]										
Revenue receipts per pupil in—										
ADA	Dollar	3,265	3,643	3,816	3,835	3,724	3,861	4,064	4,222	4,368
ADM	Dollar	3,048	3,428	3,407	3,428	3,519	3,652	3,827	3,997	4,136
Current expenditures per pupil in—										
ADA	Dollar	2,762	3,196	3,197	3,254	3,354	3,477	3,656	3,839	3,970
ADM	Dollar	2,577	3,008	3,012	3,068	3,170	3,288	3,444	3,634	3,759

[1] Estimated resident population as of July 1 of the previous year. [2] Fall enrollment of the previous year. [3] Kindergarten through grade 6. [4] Grades 7 through 12. [5] Current expenses for summer schools, adult education, post-high school vocational education, personnel retraining, etc., when operated by local school districts and not part of regular public elementary and secondary day-school program. [6] Compiled by U.S. Bureau of the Census. Deflated by the Consumer Price Index, all wage earners (for school year) supplied by U.S. Dept. of Education, Center for Education Statistics.

Source: Except as noted, National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright) and *Rankings of the States*, annual (copyright); and unpublished data.

Digitized by Google

NO. 207. PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY TYPE AND SIZE OF SCHOOL: 1985

[Data reported by schools, rather than school districts]

ENROLLMENT SIZE OF SCHOOL	NUMBER OF SCHOOLS					ENROLLMENT (1,000)				
	Total	Elementary [1]	Secondary [2]	Combined [3]	Other [4]	Total	Elementary [1]	Secondary [2]	Combined [3]	Other [4]
Total	**84,007**	**57,231**	**22,320**	**1,596**	**2,860**	**39,965**	**23,019**	**15,867**	**758**	**320**
PERCENT DISTRIBUTION [5]										
Total [5]	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 100 students	9.66	7.76	8.62	20.04	61.84	1.02	.97	.71	1.88	17.78
100 to 199 students	11.84	12.21	10.28	9.61	19.31	3.69	4.62	2.09	2.85	18.61
200 to 299 students	13.61	15.92	8.44	9.92	8.15	7.09	9.95	2.91	5.19	13.46
300 to 399 students	15.49	19.06	7.77	10.30	3.05	11.22	16.54	3.76	7.66	7.19
400 to 499 students	13.23	15.90	7.63	10.24	1.96	12.28	17.66	4.74	9.63	5.96
500 to 599 students	10.29	11.54	7.97	9.74	1.41	11.68	15.66	6.07	11.14	5.3
600 to 699 students	7.14	7.26	7.42	7.35	.88	9.58	11.66	6.67	10.03	2.9
700 to 799 students	4.81	4.30	6.46	5.34	1.23	7.46	7.97	6.71	8.33	6.2
800 to 999 students	5.55	3.86	10.30	7.54	.73	10.22	8.45	12.72	13.98	4.4
1,000 to 1,499 students	5.37	1.91	14.67	7.29	.87	13.36	5.48	24.69	18.35	6.8
1,500 to 1,999 students	1.91	.21	6.49	1.76	.46	6.77	.67	15.38	6.33	5.
2,000 to 2,999 students	.97	.02	3.53	.75	.23	4.67	.13	11.33	3.74	3
3,000 or more students	.12	(Z)	.44	.13	.09	.93	.03	2.23	.89	2
Average enrollment [5]	(X)	(X)	(X)	(X)	(X)	482	403	721	478	

X Not applicable. Z Less than .005 percent. [1] Includes schools beginning with grade 6 or below and with no gr higher than 8. [2] Includes schools with no grade lower than 7. [3] Includes schools with both elementary and secon grades. [4] Includes special education, alternative, and other schools not classified by grade span. [5] Data for those sch reporting enrollment.

Source: U.S. Department of Education, Center for Education Statistics, "Common Core of Data" survey.

NO. 208. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENROLLMENT, BY STATE: 1975 TO 19

[Enrollment as of **fall.** Includes unclassified students. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION AND STATE	ENROLLMENT (1,000)			ENROLLMENT RATE [1]		
	1975	1980	1985 [2]	1975	1980	1985
U.S	**44,791**	**40,984**	**39,513**	**88.9**	**86.5**	**87.9**
Region:						
Northeast	9,667	8,213	7,316	85.1	82.3	82.8
Midwest	12,277	10,763	9,948	88.5	85.9	86.4
South	14,654	14,134	14,123	90.6	87.8	90.0
West	8,192	7,873	8,126	92.0	90.1	91.0
N. Eng	**2,557**	**2,186**	**1,896**	**89.6**	**86.6**	**85.9**
ME	251	222	206	96.0	91.5	93.2
NH	175	167	161	88.6	85.3	88.0
VT	105	96	90	90.4	87.9	90.0
MA	1,196	1,022	844	89.2	86.6	85.4
RI	176	146	133	82.8	79.7	81.1
CT	652	531	462	89.5	83.3	83.7
Mid. Atl	**[3] 7,110**	**6,026**	**5,420**	**83.6**	**80.8**	**81.8**
NY	[3] 3,406	2,871	2,621	83.1	80.8	82.9
NJ	[3] 1,458	1,246	1,116	84.7	81.5	81.6
PA	[3] 2,246	1,909	1,683	83.8	80.4	80.1
E. No. Cent	**8,774**	**7,889**	**7,044**	**88.2**	**86.6**	**86.4**
OH	2,293	1,957	1,794	89.0	84.6	86.0
IN	1,174	1,056	966	90.9	88.0	87.6
IL	2,270	1,983	1,826	85.5	82.6	82.6
MI	2,073	1,863	1,690	90.9	90.1	92.6
WI	964	830	768	84.1	82.1	83.1
W. No. Cent	**3,503**	**3,074**	**2,904**	**87.9**	**86.5**	**86.2**
MN	880	754	705	89.3	87.2	87.6
IA	812	534	485	88.3	88.4	86.9
MO	965	845	795	87.8	83.8	83.8
ND	131	117	119	82.1	85.9	87.5
SD	151	129	124	90.5	87.4	87.3
NE	316	280	266	86.5	86.6	84.7
KS	448	415	410	86.3	86.7	86.6
So. Atl	**7,102**	**6,671**	**6,514**	**90.6**	**87.4**	**89.9**
DE	127	99	93	90.4	79.5	82.3

REGION, DIVISION AND STATE	ENROLLMENT (1,000)			ENROLLMENT RATE [1]	
	1975	1980	1985 [2]	1975	19
So. Atl.—Con.					
MD	881	751	672	87.3	8
DC	130	100	87	87.8	9
VA	1,104	1,010	968	93.7	9
WV	404	384	358	98.6	9
NC	1,185	1,129	1,086	92.8	9
SC	630	619	607	89.8	8
GA	1,090	1,089	1,080	90.1	9
FL	1,551	1,510	1,563	88.8	9
E. So. Cent	**2,840**	**2,760**	**2,659**	**86.9**	
KY	692	670	644	85.5	
TN	877	854	814	90.5	
AL	759	759	730	86.2	
MS	512	477	471	84.1	
W. So. Cent	**4,712**	**4,703**	**4,950**	**92.6**	
AR	457	448	433	92.1	
LA	847	778	793	84.7	
OK	595	578	592	97.2	
TX	2,813	2,900	3,132	94.9	
Mt	**2,244**	**2,280**	**2,401**	**93.1**	
MT	172	155	154	91.1	
ID	197	203	209	96.	
WY	88	98	103	96.	
CO	568	546	551	93	
NM	275	271	278	89	
AZ	[3] 493	514	548	91	
UT	310	344	403	98	
NV	140	149	155	97	
Pac	**5,948**	**5,593**	**5,725**	**9**	
WA	785	758	750	9	
OR	478	465	488	9	
CA	4,420	4,116	4,256	9	
AK	89	87	107	8	
HI	178	165	164	8	

[1] May include enrollment of 3 and 4 year olds in prekindergarten and kindergarten in some States. [2] Percent of years. Based on estimated resident population as of July 1, 1975 and 1985, and enumerated resident population as c [3] Estimated.

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; a *Public Elementary and Secondary School Systems*, annual.

Digitized by Google

No. 209. Public Elementary and Secondary School Enrollment, by Grade: 1960 to 1985

[**1960, for school year; thereafter, as of fall of year.** Beginning 1975, kindergarten includes nursery schools. For 1970–1985, totals include ungraded, postgraduates, and special classes which are not prorated among grades. For 1960, enrollment figures are prorated and 12th grade includes postgraduates. See also *Historical Statistics, Colonial Times to 1970*, series H 420–424]

GRADE	ENROLLMENT (1,000)									PERCENT DISTRIBUTION		
	1960	1970	1971 [1]	1975	1980	1982	1983	1984	1985	1960	1980	1985
Pupils enrolled	**36,087**	**45,909**	**46,081**	**44,791**	**40,987**	**39,852**	**39,352**	**39,293**	**39,513**	**100.0**	**100.0**	**100.0**
Kindergarten and grades 1–8	**27,602**	**32,577**	**32,265**	**30,487**	**27,674**	**27,156**	**26,997**	**26,918**	**27,047**	**76.5**	**67.5**	**68.5**
Kindergarten	1,923	2,559	2,483	2,945	2,689	2,740	2,860	3,010	3,191	5.3	6.6	8.1
First	3,733	3,614	3,570	3,236	2,894	2,937	3,080	3,113	3,239	10.3	7.1	8.2
Second	3,436	3,654	3,587	3,027	2,800	2,790	2,781	2,904	2,940	9.5	6.8	7.4
Third	3,302	3,662	3,612	3,038	2,908	2,763	2,772	2,765	2,894	9.2	7.1	7.3
Fourth	3,146	3,676	3,623	3,112	3,115	2,798	2,758	2,772	2,770	8.7	7.6	7.0
Fifth	3,116	3,634	3,662	3,281	3,130	2,912	2,798	2,761	2,775	8.6	7.6	7.0
Sixth	3,070	3,599	3,622	3,476	3,038	3,142	2,928	2,823	2,787	8.5	7.4	7.1
Seventh	3,173	3,662	3,710	3,619	3,087	3,268	3,247	3,044	2,936	8.8	7.5	7.4
Eighth	2,701	3,601	3,635	3,636	3,091	3,123	3,222	3,186	2,979	7.5	7.5	7.5
Grades 9–12	**8,485**	**13,332**	**13,816**	**14,304**	**13,313**	**12,696**	**12,355**	**12,375**	**12,467**	**23.5**	**32.5**	**31.6**
Ninth	2,412	3,652	3,781	3,879	3,360	3,248	3,330	3,439	3,438	6.7	8.2	8.7
Tenth	2,258	3,457	3,571	3,723	3,375	3,137	3,103	3,144	3,229	6.3	8.2	8.2
Eleventh	2,063	3,127	3,200	3,354	3,195	2,916	2,861	2,619	2,867	5.7	7.8	7.3
Twelfth	1,752	2,774	2,862	2,986	2,925	2,787	2,676	2,599	2,550	4.8	7.1	6.5

[1] Represents peak enrollment year.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 210. Public Elementary and Secondary School Teachers—Selected Characteristics: 1976 to 1986

[**In percent, except median.** As of **spring.** Based on sample of all public school teachers and subject to sampling variability]

CHARACTERISTIC	1976		1981			1986				
	Elementary	Secondary	Elementary	Junior high [1]	Senior high	Elementary	Junior high [1]	Senior high	Male	Female
AGE										
18 to 24 years old	(NA)	(NA)	3.6	4.6	2.6	2.6	4.1	1.6	1.8	3.1
25 to 34 years old	(NA)	(NA)	40.0	40.6	35.6	27.3	18.6	20.6	16.6	26.1
35 to 44 years old	(NA)	(NA)	26.5	27.6	34.2	36.6	44.6	43.8	47.0	37.7
45 to 54 years old	(NA)	(NA)	19.9	17.9	18.6	21.7	21.3	23.2	23.1	21.7
55 to 64 years old	(NA)	(NA)	9.2	6.4	6.6	11.1	10.6	10.3	11.0	10.6
65 years old and over	(NA)	(NA)	.9	.3	.2	.7	.7	.5	.5	.7
Median [2] age	34	33	37	36	37	39	40	41	41	39
SEX										
Male	12.6	52.2	17.7	41.3	51.5	13.6	38.6	53.0	100.0	(X)
Female	87.2	47.8	82.3	58.7	48.5	86.2	61.4	47.0	(X)	100.0
RACE										
White	89.7	91.6	90.6	89.4	94.0	89.3	86.7	92.0	90.6	89.2
Black	9.6	6.6	8.4	10.3	5.3	8.2	10.2	5.6	6.3	7.2
Other	[3] .7	[3] 1.5	.6	.3	.7	4.5	3.1	2.4	3.0	3.7
EDUCATION										
With bachelor's degree	69.6	53.6	54.6	52.7	42.8	53.6	47.9	40.2	38.3	52.9
With master's or 6 year degree	29.3	44.5	44.7	47.3	56.1	45.9	50.7	58.5	60.4	46.2
Required to pass competency test	(NA)	(NA)	25.9	17.9	17.4	19.0	21.2	18.1	19.2	19.5
EXPERIENCE										
With teaching experience of—										
1–2 years	10.1	12.5	6.0	6.1	5.2	4.3	5.0	4.9	3.1	5.3
3–4 years	15.9	15.9	8.7	11.0	7.0	5.7	3.2	4.3	3.1	5.5
5–9 years	26.6	29.0	28.2	25.0	22.3	19.4	19.6	13.6	12.7	19.9
10–14 years	15.6	19.0	20.5	22.0	27.2	24.4	17.9	23.0	20.7	23.1
15–19 years	12.1	12.9	14.5	16.8	16.0	21.6	24.9	23.6	24.6	22.3
20 or more years	17.5	10.6	22.3	19.2	22.3	24.7	29.6	30.1	35.6	23.8
Median [2] years	6	6	11	11	12	14	16	15	17	14
Would [4] become a teacher again	71.3	56.3	52.6	39.1	42.2	54.6	41.4	46.6	39.4	53.4
Would not [4] become a teacher again	15.1	22.6	30.4	41.5	40.1	25.8	38.3	34.5	42.2	26.2

NA Not available. X Not applicable. [1] Includes middle schools. [2] For definition of median, see Guide to Tabular Presentation. [3] Does not include minorities of Spanish descent. [4] Includes certainly would (would not) and probably would (would not).

Source: National Education Association, Washington, DC, *Status of the American Public School Teacher, 1975–76, 1980–81*, and *1985–86*. (Copyright.)

Digitized by Google

No. 211. Public Elementary and Secondary Schools—Number and Average Salary of Classroom Teachers, 1960 to 1987, and by State, 1987

[Estimates for school year ending in June of year shown. Schools classified by type of organization rather than by grade-group. elementary includes kindergarten]

Year and state	Teachers[1] (1,000)			Avg. salary ($1,000)		
	Total	Elementary	Secondary	All teachers	Elementary	Secondary
1960	1,355	834	521	5.0	4.8	5.3
1970	2,008	1,109	899	8.6	8.4	8.9
1975	2,171	1,169	1,001	11.7	11.3	12.0
1976	2,191	1,170	1,021	12.6	12.3	12.9
1977	2,186	1,178	1,011	13.4	13.0	13.8
1978	2,197	1,178	1,020	14.2	13.9	14.6
1979	2,206	1,193	1,013	15.0	14.7	15.4
1980	2,211	1,206	1,005	16.0	15.6	16.5
1981	2,192	1,196	996	17.8	17.2	18.1
1982	2,158	1,200	959	19.3	18.9	19.8
1983	2,135	1,184	951	20.7	20.2	21.3
1984	2,142	1,187	955	21.9	21.5	22.6
1985	2,174	1,209	966	23.6	23.2	24.2
1986	2,210	1,239	971	25.2	24.7	25.8
1987, U.S.	**2,233**	**1,261**	**972**	**26.7**	**26.1**	**27.4**
AL	37.0	19.3	17.7	23.5	23.5	23.5
AK	5.3	3.0	2.3	44.0	43.7	44.1
AZ	30.0	22.8	7.2	26.3	26.1	26.6
AR	24.1	11.8	12.3	20.0	19.4	20.5
CA	169.7	123.2	66.5	31.2	30.7	32.1
CO	30.7	16.6	14.1	27.4	26.6	28.0
CT	33.8	20.1	13.7	28.9	28.5	29.6
DE	5.9	2.8	3.0	27.5	26.7	28.2
DC	5.6	3.5	2.2	33.8	33.8	33.8
FL	93.6	52.1	41.5	23.8	24.1	23.1
GA	57.4	35.5	22.0	24.2	23.8	24.6
HI	8.4	4.5	3.9	26.8	26.8	26.8
ID	10.2	5.4	4.9	21.5	20.8	22.3
IL	100.3	66.8	33.7	28.4	27.3	30.8
IN	51.7	26.5	25.2	25.7	25.1	26.3
IA	30.4	14.4	16.0	22.6	21.7	23.4
KS	27.0	15.2	11.8	23.8	23.4	23.6
KY	34.5	23.0	11.5	22.6	22.1	23.7
LA	43.5	28.5	15.0	21.3	21.0	21.9
ME	12.9	8.5	4.4	21.3	20.8	22.2
MD	38.2	18.0	20.2	28.7	27.9	29.6
MA	56.8	22.5	34.4	28.4	25.9	29.7
MI	80.2	52.0	28.2	31.5	31.3	31.7
MN	41.0	20.3	20.7	29.1	28.5	29
MS	26.8	15.3	11.6	19.6	19.3	19
MO	48.9	24.9	24.0	23.5	22.7	24
MT	9.8	6.6	3.1	23.2	22.6	24
NE	17.6	9.4	8.1	22.1	21.1	23
NV	7.9	4.2	3.7	26.0	25.5	26
NH	10.3	6.2	4.1	21.4	21.4	2
NJ	74.5	44.0	30.5	28.9	28.6	2
NM	14.9	8.1	6.8	24.0	23.2	2
NY	178.7	82.5	94.3	32.6	31.6	3
NC	57.9	33.9	24.0	23.8	23.7	2
ND	7.9	5.0	2.9	21.8	21.7	
OH	96.0	53.1	42.9	26.3	25.9	
OK	36.6	18.8	17.8	22.1	21.4	
OR	25.8	15.8	10.0	26.8	26.4	
PA	101.2	48.0	53.2	27.4	27.4	
RI	8.7	4.4	4.3	31.1	30.8	
SC	34.4	22.2	12.2	23.0	22.4	
SD	8.0	5.6	2.4	18.8	18.7	
TN	41.4	25.8	15.6	22.7	22.7	
TX	183.2	98.1	85.2	25.3	24.6	
UT	17.3	10.6	6.5	23.4	22.7	
VT	8.4	2.9	3.5	21.8	21.3	
VA	59.5	34.2	25.3	25.5	24.6	
WA	36.8	20.3	16.4	27.5	27.1	
WV	22.9	12.7	10.2	21.4	21.3	
WI	46.2	26.8	19.4	26.2	27.7	
WY	7.5	5.5	2.0	27.7	27.5	

[1] Full-time equivalent.

Source: National Education Association, Washington, DC, *Estimates of School Statistics, 1986-87.* (Copyright © 1987 b tional Education Association. All rights reserved.)

No. 212. Average Starting Salaries of Public School Teachers Compared With Sal Private Industry, by Position: 1975 to 1987

[Except as noted, salaries represent what corporations plan to offer graduates graduating in the year shown with ba degrees. Based on a survey of approximately 200 companies]

Position	1975	1979	1980	1981	1982	1983	1984	1985	198
Teachers[1]	$8,233	$10,138	$10,764	$11,758	$12,769	$13,360	$14,500	$15,400	$16,5
College graduates:									
Engineering	12,744	18,286	20,136	22,366	25,428	25,800	26,844	26,880	28,5
Accounting	11,880	14,748	15,720	16,980	18,648	19,478	20,172	20,628	21,
Sales—marketing	10,344	13,092	15,936	17,220	18,372	18,648	19,620	20,616	20,
Business administration	9,768	13,464	14,100	16,200	17,448	18,564	19,416	19,896	21
Liberal arts	9,312	12,744	13,296	15,444	15,924	18,264	19,344	18,828	21
Chemistry	11,904	15,816	17,124	19,536	21,492	22,344	24,192	24,216	24
Mathematics—statistics	10,980	15,000	17,604	18,600	21,516	21,696	22,416	22,704	23
Economics—finance	10,212	13,068	14,472	16,884	17,532	19,740	20,484	20,964	22
Computer sciences	(NA)	15,432	17,712	20,364	22,260	23,208	24,864	24,156	2
Other fields	10,464	14,556	17,544	20,028	22,716	21,156	23,136	21,972	2
INDEX (1975 = 100)									
Teachers[1]	100	123	131	143	155	162	176	187	
College graduates:									
Engineering	100	144	158	176	200	202	211	211	
Accounting	100	124	132	143	157	164	170	174	
Sales—marketing	100	127	154	166	178	180	190	199	
Business administration	100	138	144	166	179	190	199	204	
Liberal arts	100	137	143	166	171	196	208	202	
Chemistry	100	133	144	164	181	188	203	203	
Mathematics—statistics	100	137	160	169	196	198	204	207	
Economics—finance	100	128	142	165	172	193	201	205	
Computer science[2]	(NA)	109	125	144	157	164	176	171	
Other fields	100	139	168	191	217	202	221	210	

NA Not available. [1] Estimate. Minimum mean salary. Source: National Education Association, Washington, D *School Statistics*, annual (copyright). [2] Computer science index (1978 = 100).

Source: Except as noted, Northwestern University, Evanston, IL, *The Northwestern Endicott-Lindquist Rep*

No. 213. Average Salary and Wages Paid in Public School Systems, by Selected Positions: 1975 to 1987

[**In dollars.** For school year ending in year shown. Data reported by a stratified sample of school systems enrolling 300 or more pupils. Data represent unweighted means of average salaries paid school personnel reported by each school system]

POSITION	1975	1980	1981	1982	1983	1984	1985	1986	1987
ANNUAL SALARY									
Central office administrators:									
Superintendent (contract salary)	30,338	39,344	43,001	46,664	50,260	52,483	56,954	60,707	64,580
Deputy/assoc. superintendent	30,074	37,440	41,117	44,777	47,404	48,507	52,677	57,190	60,222
Assistant superintendent	26,460	33,452	36,633	39,799	42,194	43,983	48,003	51,209	53,656
Administrators for:									
Finance and business	21,850	27,147	30,407	32,967	34,987	36,909	40,344	43,200	45,259
Instructional services	22,608	29,790	33,193	35,973	38,018	39,580	43,452	46,110	48,610
Public relations/information	21,470	24,021	26,514	28,506	30,720	32,203	35,287	37,329	38,925
Staff personnel services	21,470	29,623	32,552	35,192	38,201	39,857	44,182	46,269	48,627
Subject area supervisors	18,601	23,974	26,640	29,083	30,905	31,537	34,422	36,797	38,763
School building administrators:									
Principals:									
Elementary	19,061	25,165	27,923	30,242	32,451	34,033	36,452	39,024	41,536
Junior high/middle	21,136	27,625	30,401	32,881	34,996	36,779	39,650	42,365	44,861
Senior high	22,894	29,207	32,231	34,776	37,602	39,334	42,094	44,986	47,896
Assistant principals:									
Elementary	15,968	20,708	23,116	25,331	27,419	28,087	30,496	32,895	34,347
Junior high/middle	17,868	23,507	26,045	28,178	29,746	31,257	33,793	36,094	37,958
Senior high	18,939	24,616	27,285	29,566	31,252	32,655	35,491	37,616	39,758
Classroom teachers	11,507	15,913	17,678	19,275	20,809	22,039	23,587	25,276	26,731
Auxiliary professional personnel:									
Counselors	14,479	18,847	21,003	22,935	24,547	25,759	27,593	29,388	31,132
Librarians	12,546	16,764	18,689	20,496	22,040	23,173	24,961	26,668	28,390
School nurses	10,673	13,788	15,355	16,704	17,630	18,310	19,944	21,339	22,219
Secretarial/clerical personnel:									
Central office:									
Secretaries/stenographers	7,316	10,331	11,568	12,718	13,639	14,366	15,343	16,383	17,182
Accounting/payroll clerks	7,588	10,479	11,688	12,720	13,676	14,522	15,421	16,604	17,273
Clerk-typists	6,089	8,359	9,350	10,314	10,930	11,561	12,481	13,208	13,729
School building level:									
Secretaries/stenographers	6,046	8,348	9,357	10,301	11,004	11,613	12,504	13,233	13,947
Library clerks	5,052	6,778	7,573	8,272	8,467	8,989	9,911	10,412	10,641
HOURLY WAGE RATE									
Other support personnel:									
Teacher aides:									
Instructional	2.91	4.06	4.48	4.88	5.28	5.48	5.89	6.20	6.43
Noninstructional	2.81	3.89	4.29	4.70	5.01	5.22	5.60	5.91	6.14
Custodians	3.54	4.88	5.35	5.95	6.23	6.49	6.90	7.28	7.51
Cafeteria workers	2.61	3.78	4.17	4.57	4.87	5.09	5.42	5.76	5.92
Bus drivers	3.75	5.21	5.75	6.26	6.56	6.89	7.27	7.72	8.06

Source: Educational Research Service, Arlington, VA, *National Survey of Salaries and Wages in Public Schools*, annual, vols. 2 and 3. (All rights reserved. Copyright.)

No. 214. Public Elementary and Secondary Schools—Employees and Payrolls of State and Local Governments: 1980 to 1985

[For **October.** Data are estimates, subject to sampling variability. For details, see source. See also Appendix III]

YEAR AND FUNCTION	EMPLOYEES (1,000)				PAYROLL					
			Full-time				Full-time employees			
	Total	Local government	Total	Local government	Total (mil. dol.)	Local government (mil. dol.)	Total (mil. dol.)	Local government (mil. dol.)	Average earnings (dol.)	
									Total	Local government
1980: Total, public schools	4,866	4,848	3,798	3,782	5,522	5,496	5,181	5,157	1,364	1,364
Percent of all employees	36.6	50.7	36.8	50.6	37.5	52.6	37.6	52.3	102.0	103.1
Instructional employees	3,164	3,149	2,764	2,751	4,324	4,303	4,182	4,163	1,513	1,513
Other	1,704	1,699	1,035	1,030	1,198	1,192	999	994	966	965
1984: Total, public schools	4,970	4,947	3,828	3,810	7,275	7,239	6,805	6,771	1,778	1,777
Percent of all employees	36.8	51.6	36.9	51.0	36.6	51.9	36.6	51.6	100.0	101.0
Instructional employees	3,217	3,202	2,762	2,749	5,646	5,620	5,443	5,416	1,971	1,971
Other	1,753	1,745	1,066	1,061	1,628	1,619	1,362	1,354	1,277	1,276
1985: Total, public schools	4,994	4,969	3,911	3,892	7,839	7,800	7,340	7,303	1,877	1,876
Percent of all employees	36.5	51.3	37.0	51.4	36.7	51.9	36.6	51.7	99.8	100.5
Instructional employees	3,306	3,291	2,832	2,819	6,158	6,129	5,929	5,901	2,093	2,093
Other	1,688	1,678	1,079	1,073	1,681	1,671	1,411	1,402	1,308	1,306

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

Digitized by Google

NO. 215. PUBLIC ELEMENTARY AND SECONDARY SCHOOL PRICE INDEXES: 1975 TO 1986

[1975 = 100. For years ending June 30. Reflects prices paid by public elementary-secondary schools. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change [1]	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT						
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment replacement	Library materials and textbooks	Utilities	Fixed costs
1975	100	(X)	100	100	100	100	100	100	100	100	100	100	100
1976	109	6.6	109	108	107	118	109	107	108	110	113	111	113
1977	116	6.8	116	113	114	137	117	114	113	116	120	123	128
1978	124	6.8	123	120	122	149	127	121	119	124	134	135	142
1979	135	9.2	135	128	131	184	139	128	131	135	143	156	160
1980	148	9.0	145	137	140	209	158	139	148	148	153	204	179
1981	166	12.2	162	152	155	243	180	154	165	164	162	258	200
1982	182	9.7	179	166	170	280	194	170	174	178	171	285	218
1983	194	6.6	192	179	180	307	199	180	172	186	186	279	231
1984	205	5.9	205	189	188	342	206	191	176	192	199	274	248
1985	220	7.1	222	203	200	387	212	202	178	197	210	269	261
1986	232	5.6	237	217	212	417	214	214	176	202	221	246	274

X Not applicable. [1] Change from immediate prior year shown.

Source: 1975–1982, U.S. National Institute of Education, *Inflation Measures for Schools and Colleges, 1983*; beginning 1983, Research Associates of Washington, Washington, DC, *School Price Index*, annual.

NO. 216. FINANCES OF PUBLIC SCHOOL SYSTEMS, 1980 TO 1985, AND BY ENROLLMENT-SIZE GROUP, 1985

[In millions of dollars, except percent. Data are estimates subject to sampling variability. For details, see source. Minus sign (–) indicates decrease. See also Appendix III]

ITEM	1980, all school systems	1984, all school systems	1985, BY ENROLLMENT-SIZE GROUP						
			All school systems		50,000 or more	25,000 to 49,999	15,000 to 24,999	7,500 to 14,999	Under 7,500
			Total	Percent change [1]					
General revenue [2]	**101,970**	**133,450**	**145,375**	**8.9**	**26,589**	**12,615**	**12,377**	**22,395**	**71,420**
Intergovernmental	56,279	70,995	76,218	10.2	15,033	7,370	7,055	12,386	36,372
From Federal government	1,645	1,291	1,373	6.4	249	104	102	224	693
From States	53,088	67,910	74,785	10.1	14,575	7,075	6,790	11,947	34,397
Federal aid distributed by State governments	7,459	7,384	7,548	2.2	1,799	686	608	1,084	3,371
From local governments	1,547	1,794	2,060	14.8	209	191	163	215	1,282
From own sources	45,692	62,454	67,157	7.5	11,535	5,245	5,322	10,008	35,047
Taxes	29,212	41,633	44,750	7.5	5,753	3,490	3,353	6,582	25,571
Property	28,089	40,340	43,539	7.9	5,462	3,382	3,285	6,406	25,004
Contribution from parent government	6,809	10,688	11,404	6.7	4,371	720	833	1,543	3,938
Charges and miscellaneous	7,670	10,133	11,003	8.6	1,411	1,035	1,136	1,883	5,538
Current charges	4,417	6,002	6,181	3.0	745	612	700	1,103	3,022
School lunch sales	2,003	2,497	2,604	4.3	341	240	230	440	1,354
Interest earnings	1,764	2,236	2,691	20.4	373	223	235	419	1,440
Other	1,489	1,895	2,132	12.5	293	200	201	361	1,077
General expenditure [3]	**100,532**	**130,375**	**142,251**	**9.1**	**25,951**	**12,474**	**12,110**	**21,872**	**69,844**
Intergovernmental	470	424	381	–10.1	30	4	5	48	295
Direct	100,063	129,952	141,871	9.2	25,921	12,470	12,106	21,824	69,550
Current operation	90,589	120,228	130,666	8.7	24,303	11,392	11,095	20,078	63,797
Salaries and wages	61,944	81,334	88,512	8.8	16,827	8,040	7,662	13,831	42,132
Capital outlay	7,517	7,281	8,684	19.3	1,302	827	788	1,320	4,448
Construction	5,226	4,207	5,161	23.2	777	526	480	811	2,587
Interest on debt	1,957	2,442	2,520	3.2	316	252	223	425	1,303
Direct expenditure [3] by level of instruction:									
Elementary and secondary	92,113	119,927	131,308	9.5	24,704	11,104	10,492	19,780	65,226
Higher education	5,993	7,583	8,043	6.1	901	1,115	1,390	1,619	3,018
Debt outstanding [4]	**36,885**	**36,140**	**36,799**	**1.8**	**4,713**	**3,781**	**3,270**	**6,169**	**18,866**
Long-term	35,405	34,408	34,994	1.7	4,702	3,620	3,199	5,777	17,697
Short-term	1,280	1,732	1,805	4.2	11	162	70	392	1,169
Long-term debt issued	2,961	3,189	6,054	89.8	993	804	586	1,136	2,535
Long-term debt retired	2,997	3,721	5,536	48.6	826	741	614	985	2,370
Cash, security holdings, excl. employee-retirement [5]	16,733	22,749	27,902	14.3	3,974	2,387	2,370	4,266	14,865

[1] Change from 1984. [2] Excludes interschool system transactions. [3] For current operation and capital outlay. [4] As of end of fiscal year.

Source: U.S. Bureau of the Census, *Finances of Public School Systems*, series GF, No. 10 annual.

Digitized by Google

NO. 217. PUBLIC ELEMENTARY AND SECONDARY SCHOOL ESTIMATED FINANCES, 1970 TO 1987, AND BY STATE, 1987

[In millions of dollars, except as noted. For school years ending in June of year shown]

YEAR AND STATE	RECEIPTS						EXPENDITURES					
		Revenue receipts							Current expenditures			
	Total	Source				Non-revenue receipts [1]	Total [2]	Per capita [3] (dol.)	Elem. and secondary day schools	Average per pupil in ADA [4]		Capital outlay
		Total	Federal	State	Local					Amount (dol.)	Rank	
1970	41,621	38,192	2,767	15,628	19,797	3,429	39,091	194	32,683	773	(x)	4,158
1975	66,319	63,047	5,089	27,472	30,486	3,273	62,340	292	53,333	1,286	(x)	5,409
1980	101,724	97,635	9,020	47,929	40,686	4,089	96,105	428	85,861	2,230	(x)	6,504
1982	117,776	113,999	8,419	54,573	51,007	3,777	113,005	492	102,048	2,753	(x)	6,404
1983	125,432	120,759	8,623	57,558	54,579	4,673	119,158	514	108,773	2,960	(x)	6,131
1984	133,334	128,929	8,802	61,604	58,524	4,405	126,712	541	116,082	3,181	(x)	6,281
1985	146,606	141,010	9,283	69,139	62,588	5,596	136,736	587	126,857	3,475	(x)	7,296
1986	157,620	151,333	9,787	75,332	66,214	6,287	150,915	632	137,605	3,755	(x)	8,555
1987, total	**167,569**	**160,908**	**9,959**	**80,433**	**70,517**	**6,661**	**160,479**	**666**	**146,244**	**3,970**	**(x)**	**9,341**
Alabama	1,934	1,823	238	1,266	319	110	1,994	492	1,802	2,610	47	161
Alaska	989	907	46	702	159	82	966	1,809	847	8,842	1	60
Arizona	1,515	1,515	126	985	402	–	1,594	480	1,420	2,784	45	108
Arkansas	1,295	1,249	115	793	340	46	1,289	543	1,137	2,795	44	117
California	17,892	17,769	1,306	12,172	4,292	123	17,267	641	16,130	3,751	26	628
Colorado	2,820	2,545	111	996	1,437	275	2,342	717	2,123	4,129	17	140
Connecticut	2,648	2,647	115	1,069	1,463	(z)	2,647	830	2,493	5,552	5	94
Delaware	459	451	36	310	105	8	440	695	413	4,776	7	12
District of Columbia	410	410	26	–	384	–	432	690	408	5,349	(x)	11
Florida	6,966	6,692	492	3,557	2,643	274	6,701	574	6,037	4,056	19	611
Georgia	3,363	3,355	267	1,895	1,193	8	3,495	573	3,153	3,187	39	283
Hawaii	707	707	58	648	1	–	705	664	663	4,372	13	22
Idaho	598	563	40	342	180	35	584	583	513	2,555	48	59
Illinois	7,653	7,416	550	2,985	3,881	236	6,756	585	6,270	3,980	20	218
Indiana	3,701	3,616	135	2,129	1,352	85	3,335	606	2,978	3,379	34	291
Iowa	1,798	1,768	98	762	907	30	1,786	627	1,679	3,740	27	93
Kansas	1,713	1,691	83	733	875	22	1,751	712	1,541	4,137	16	132
Kentucky	2,092	1,947	213	1,352	382	145	1,963	526	1,790	3,107	40	123
Louisiana	2,797	2,620	287	1,394	940	177	2,593	576	2,314	3,237	36	183
Maine	780	755	54	388	313	25	780	665	718	3,650	28	34
Maryland	3,184	3,164	168	1,244	1,753	20	3,150	706	2,880	4,659	10	212
Massachusetts	3,845	3,841	215	1,723	1,903	4	3,956	678	3,698	4,856	6	181
Michigan	6,620	6,570	228	2,227	4,116	50	6,561	717	6,101	3,954	21	515
Minnesota	3,191	3,091	127	1,777	1,188	100	3,204	760	2,825	4,241	14	257
Mississippi	1,345	1,275	210	700	365	70	1,333	496	1,200	2,534	49	45
Missouri	2,850	2,766	160	1,111	1,494	85	2,653	523	2,406	3,345	35	169
Montana	693	679	53	334	292	14	632	772	567	4,070	18	48
Nebraska	932	910	49	249	612	22	922	577	864	3,437	32	38
Nevada	573	566	26	239	302	7	615	640	538	3,788	25	63
New Hampshire	639	601	21	38	542	38	543	529	503	3,386	33	30
New Jersey	6,968	6,850	268	2,937	3,645	118	6,528	857	6,302	6,120	4	71
New Mexico	1,019	984	103	764	116	35	1,163	786	903	3,537	30	201
New York	15,464	15,103	664	6,606	7,813	361	15,275	859	14,566	6,299	2	410
North Carolina	3,578	3,557	235	2,264	1,058	18	3,576	585	3,521	3,473	31	55
North Dakota	404	398	32	214	153	6	397	585	359	3,208	37	27
Ohio	7,435	6,660	320	3,100	3,240	775	6,751	628	6,249	3,769	24	356
Oklahoma	1,775	1,665	90	1,100	475	110	1,769	535	1,490	2,701	46	228
Oregon	1,846	1,837	103	510	1,224	9	1,859	689	1,760	4,236	15	60
Pennsylvania	9,394	8,290	355	3,789	4,146	1,105	8,106	682	7,299	4,752	8	291
Rhode Island	576	576	24	223	328	–	576	591	565	4,574	11	5
South Carolina	2,054	1,936	183	1,133	620	118	1,935	573	1,720	3,005	41	123
South Dakota	432	417	45	112	260	15	417	589	378	3,190	38	26
Tennessee	2,418	2,320	241	1,169	910	98	2,357	491	2,190	2,842	43	79
Texas	13,922	12,480	831	5,717	5,932	1,442	12,788	766	10,672	3,584	29	1,657
Utah	1,237	1,154	66	640	448	83	1,186	712	961	2,455	50	160
Vermont	379	379	24	138	217	–	390	721	370	4,459	12	4
Virginia	3,932	3,870	211	1,314	2,345	62	3,667	634	3,466	3,809	22	102
Washington	3,172	3,128	180	2,317	631	44	3,490	782	2,899	3,808	23	585
West Virginia	1,238	1,210	106	780	322	28	1,075	560	971	2,959	42	52
Wisconsin	3,545	3,463	182	1,190	2,092	82	3,432	717	3,194	4,701	9	132
Wyoming	784	723	19	297	407	61	730	1,440	598	6,229	3	108

— Represents zero. X Not applicable. Z Less than $500,000. [1] Amount received by local education agencies from the sales of bonds and real property and equipment, loans and proceeds from insurance adjustments. [2] Includes interest on school debt and other current expenditures not shown separately. [3] Based on Bureau of the Census estimated resident population, as of July 1, the previous year. [4] Average daily attendance.

Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual (copyright), and unpublished data.

Digitized by Google

No. 218. School Library Media Centers (LMC)—Expenditures, Collection Size and Microcomputers, by Selected Characteristic: 1986

[For school year ending in June. Based on sample survey of approximately 33,000 school library subscribers to *The School Library Journal*. Except as indicated, figures are medians. For definition of median, see Guide to Tabular Presentation. For composition of regions, see inside front cover]

Characteristic	Per pupil expenditures (dol.)			Collection size				Microcomputers [1]	
				Books		Audio-visuals			
	Books	Periodicals	Audio-visual material	Total	Per pupil	Total	Per pupil	Total	In LMC's
Level of school:									
Elementary	3.65	.87	2.07	8,000	19	1,080	2.40	12.8	3.6
Junior high	4.81	1.47	1.98	10,329	15	885	1.57	26.2	4.0
Senior high	5.41	2.04	1.75	12,557	15	1,000	1.12	34.3	3.4
Other	4.21	1.27	1.71	10,000	17	800	1.47	21.6	3.7
School enrollment:									
Less than 300 students	6.77	2.83	2.09	6,785	28	409	1.98	13.0	2.8
300 to 499 students	4.84	1.40	2.54	8,000	20	888	2.29	14.1	3.5
500 to 699 students	4.16	1.29	1.82	10,000	17	1,000	1.77	20.2	3.8
700 to 999 students	4.07	1.12	1.92	10,670	13	1,000	1.20	25.6	4.0
1,000 to 1,999 students	3.86	1.18	1.59	15,000	12	1,536	1.16	43.7	3.1
Over 2,000 students	4.57	1.04	1.63	23,000	9	2,150	.87	51.3	6.7
Region of school:									
Northeast	5.73	1.60	2.37	10,500	19	1,098	1.94	25.2	2.9
Midwest	5.07	1.78	2.34	10,000	19	867	1.61	22.3	4.8
South	3.87	.96	1.65	9,580	14	1,162	1.75	20.3	3.2
West	4.13	1.14	1.94	9,300	15	660	.85	27.6	3.5
Schools:									
With district media coordinator	(NA)	(NA)	(NA)	10,000	15	1,182	1.79	24.0	3.6
With no district media coordinator	(NA)	(NA)	(NA)	9,700	16	823	1.48	21.8	3.7

NA Not available. [1] Mean number of micros in schools with micros. For definition of mean, see Guide to Tabular Presentation.

Source: R.R. Bowker, New York, NY, "Expenditures for Resources in School Library Media Centers FY '85-'86," by Marilyn L. Miller and Barbara B. Moran, *School Library Journal*, June/July, 1987. (Copyright.)

No. 219. Instructional Use of Computers in Elementary and Secondary Schools: 1985

[Includes microcomputers and terminals used by students at school for any school subject or activity. Based on stratified national probability sample of 2,331 public, private, and parochial schools between January and June 1985]

Item	Unit	Total	Elementary: Kindergarten through—			Secondary		
			Grade six	Grade eight	Grade twelve	Middle and Junior high	Combination Junior-Senior high	High school
ALL SCHOOLS								
Computers used for instruction	1,000	1,034	303	109	49	182	64	327
Schools using computers with students	Percent	86	85	81	72	95	90	97
Schools with 15 or more computers	Percent	24	12	9	11	47	45	68
SCHOOLS USING COMPUTERS FOR INSTRUCTION								
Year [1] first computer obtained	Year	1982	1983	1983	1983	1982	1982	1980
Median number of computers	Number	8	6	5	6	14	14	21
Students per computer [1]	Number	42	60	41	26	41	25	31
Percent of schools with computers in—								
Classrooms	Percent	75	76	87	81	70	81	82
Laboratory	Percent	44	30	43	46	62	52	69
Library	Percent	28	31	17	14	32	32	33
Percent of all instructional computers in—								
Classroom	Percent	37	40	38	47	27	37	38
Laboratory	Percent	49	40	46	44	62	53	51
Library	Percent	8	13	9	3	6	5	4
Percent of computer classrooms with 3 or more computers	Percent	20	10	13	20	27	39	44
Median number of computers in—								
Classroom	Number	1	1	1	1	2	2	3
Laboratory	Number	10	8	7	7	14	11	13
Library	Number	2	2	4	1	2	2	2
Percent [1] students using computers in average week	Percent	28	30	42	28	25	22	21
Minutes [1] of use per student per week	Number	50	35	40	60	65	80	105
Percent [2] instructional time devoted to—								
Drill and practice	Percent	32	56	49	39	30	25	16
Programming	Percent	33	12	19	31	32	40	49
Word processing	Percent	15	9	8	16	15	20	20

[1] Median. For definition, see Guide to Tabular Presentation. [2] Mean. For definition, see Guide to Tabular Presentation.

Source: Center for Social Organization of Schools, Johns Hopkins University, Baltimore, MD, *Instructional Uses of School Computers: Reports from the 1985 National Survey, 1986*, and unpublished data.

Digitized by Google

NO. 220. MICROCOMPUTERS FOR STUDENT INSTRUCTION IN ELEMENTARY AND SECONDARY SCHOOLS: 1981 TO 1986

[As of fall for public schools; as of mid-winter of the previous year for private schools. Public school data based on surveys of every school district and all public schools. Private school data based on surveys of all Catholic and private schools. For details, see source]

YEAR	PUBLIC SCHOOLS										PRIVATE SCHOOLS			
	Number of schools (1,000)				Percent with micros				Number of micros [2] (1,000)	Students per micro [2]	Number of schools (1,000)	Percent with micros	Number of micros [2] (1,000)	Students per micro [2]
	Total [1]	Elementary	Junior	Senior	Total	Elementary	Junior	Senior						
1981	84.2	53.3	10.1	15.6	18.2	11.1	25.6	42.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982	82.4	51.9	9.9	15.3	30.0	20.2	39.8	57.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1983	81.5	51.3	9.8	15.2	66.4	62.4	80.5	86.1	324.4	92.3	22.8	23.8	(NA)	(NA)
1984	81.1	51.0	9.8	15.2	85.1	82.2	93.1	94.6	569.8	63.5	24.4	53.0	62.2	56.2
1985	80.8	50.8	9.7	15.1	92.2	91.0	97.3	97.4	842.6	45.5	23.4	70.3	101.2	41.6
1986	80.5	50.7	9.7	15.1	95.6	94.9	98.5	98.7	1,081.9	36.5	22.7	77.1	129.2	33.7
1986:														
Number of micros [2]	1,081.9	452.5	165.8	394.2	(x)	(x)	(x)	(x)	(x)	(x)	129.2	(x)	(x)	(x)
Students per micro [2]	36.5	43.7	32.9	31.1	(x)	(x)	(x)	(x)	(x)	(x)	33.7	(x)	(x)	(x)

NA Not available. X Not applicable. [1] Includes other schools, not shown separately. [2] Includes estimates for schools not reporting number of micros. [3] For schools reporting number of micros.

Source: Market Data Retrieval, Shelton, CT, *Microcomputers in Schools, 1986-87*, (copyright), and unpublished data.

NO. 221. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN EDUCATIONAL PROGRAMS FOR THE HANDICAPPED, BY TYPE OF HANDICAP: 1977 TO 1986

[For school year ending in year shown. **For persons under 22 years old.** Funds appropriated are for three grant programs based on the counts of handicapped children: Education of handicapped children in State operated or supported schools; handicapped State grants; and handicapped pre-school incentive grants]

ITEM	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Federal funds appropriated (mil. dol.)	377.8	700.5	953.9	1,044.5	1,055.8	1,101.3	1,189.4	1,241.7	1,314.3	1,335.7
All conditions (1,000)	**3,692**	**3,751**	**3,889**	**4,005**	**4,142**	**4,198**	**4,255**	**4,298**	**4,315**	**4,317**
PERCENT DISTRIBUTION										
Learning disabled	21.5	25.7	29.1	31.9	35.3	38.8	40.9	42.0	42.4	43.1
Speech impaired	35.3	32.6	31.2	29.6	28.2	27.0	26.6	26.2	26.1	26.1
Mentally retarded	26.0	24.9	23.2	21.7	20.0	18.7	17.8	16.9	16.1	15.3
Emotionally disturbed	7.6	7.7	7.7	8.2	8.4	8.1	8.3	8.4	8.6	8.7
Hard of hearing and deaf	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5
Orthopedically handicapped	2.3	2.3	1.8	1.6	1.4	1.4	1.3	1.3	1.3	1.3
Other health impaired	3.8	3.6	2.7	2.6	2.4	1.9	1.2	1.2	1.6	1.3
Visually handicapped	1.0	.9	.8	.8	.8	.7	.7	.7	.7	.6
Multihandicapped	(NA)	(NA)	1.3	1.5	1.8	1.7	1.5	1.5	1.6	2.0
Deaf-blind	(NA)	(NA)	.1	.1	.1	.1	.1	.1	.1	(Z)

NA Not available. Z Less than .05 percent.

Source: U.S. Dept. of Education, Office of Special Education Programs, *Annual Report to Congress*.

NO. 222. PUBLIC ELEMENTARY AND SECONDARY STUDENTS IN EDUCATIONAL PROGRAMS FOR THE HANDICAPPED, BY TYPE OF HANDICAP AND EDUCATIONAL ENVIRONMENT: 1985

[In thousands, except percent. For persons 3 through 21. See headnote, table 221]

CONDITION	Total served	NUMBER SERVED IN—				Total	PERCENT SERVED IN—			
		Regular classes	Separate classes	Separate schools	Other		Regular classes	Separate classes	Separate schools	Other
All conditions	4,302.5	2,944.9	1,020.8	308.1	26.8	100.0	68.4	23.7	7.2	.7
Learning disabled	1,829.0	1,406.3	382.1	39.1	1.5	100.0	76.9	20.9	2.1	.1
Speech impaired	1,126.2	1,026.5	55.0	39.5	5.2	100.0	91.1	4.9	3.5	.5
Mentally retarded	661.3	223.9	361.1	93.8	2.8	100.0	32.9	53.0	13.7	.4
Emotionally disturbed	373.3	172.0	124.1	71.3	5.9	100.0	46.1	33.3	19.1	1.6
Hard of hearing and deaf	69.8	31.3	21.3	16.8	.4	100.0	44.9	30.5	24.1	.5
Multihandicapped	68.5	11.3	30.2	25.8	1.1	100.0	16.5	44.1	37.7	1.6
Orthopedically handicapped	51.4	20.0	17.3	10.3	3.8	100.0	38.9	33.6	20.1	7.4
Other health impaired	72.6	35.7	23.9	5.3	7.9	100.0	49.0	32.8	7.3	10.9
Visually handicapped	28.0	17.5	5.2	5.2	.2	100.0	62.3	18.7	18.4	.6
Deaf-blind	2.2	.5	.5	1.2	(Z)	100.0	20.4	23.7	54.2	1.7

Z Fewer than 50.

Source: U.S. Dept. of Education, Office of Special Programs, *Annual Report to Congress*.

Digitized by Google

No. 223. Catholic Elementary and Secondary Schools: 1960 to 1986

[As of **October 1.** Regular sessions only. See also *Historical Statistics, Colonial Times to 1970*, series H 535-544]

ITEM	Unit	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
Elementary schools	Number	10,501	10,879	9,362	8,340	8,043	7,950	7,937	7,891	7,806	7,709
Pupils enrolled	1,000	4,373	4,492	3,359	2,525	2,269	2,225	2,180	2,120	2,057	2,007
Teachers, total	1,000	108	120	112	99	97	97	99	100	97	94
Religious	1,000	79	76	52	35	25	22	21	20	18	17
Lay	1,000	29	44	60	64	72	75	78	80	79	77
Secondary schools	Number	2,392	2,413	1,981	1,653	1,518	1,482	1,464	1,449	1,430	1,411
Pupils enrolled	1,000	880	1,082	1,008	890	837	801	788	782	762	728
Teachers, total	1,000	44	57	54	50	49	49	48	50	50	48
Religious	1,000	33	38	28	20	14	13	12	12	11	10
Lay	1,000	11	19	26	30	35	36	36	38	39	38

Source: National Catholic Educational Association, Washington, DC, *A Statistical Report on Catholic Elementary and Secondary Schools for the Years 1967-68 to 1969-70*, and *U.S. Catholic Schools, 1973-74*, and National Catholic Educational Association/ Ganley's, *Catholic Schools in America*, annual. (Copyright.)

No. 224. Characteristics of Private Elementary and Secondary Schools and Teachers, by Level and Affiliation of School: 1986

[**For school year ending in year shown.** Based on survey and subject to sampling error; for details, see source. For similar data on public school teachers, see table 210]

ITEM	Total	LEVEL OF SCHOOL				RELIGIOUS AFFILIATION		
		Elementary	Secondary	Combined	Other	Catholic	Other	None
Number of schools	**25,616**	**15,303**	**2,438**	**4,949**	**2,926**	**9,911**	**10,771**	**4,934**
PERCENT DISTRIBUTION								
Years in operation:								
10 years or less	25.5	20.2	9.9	41.4	39.2	1.7	45.2	30.2
25 years or more	50.3	63.3	62.8	21.9	20.0	84.1	29.3	28.2
Minority enrollment:								
Less than 5 percent	38.9	45.1	27.8	37.1	18.7	45.8	40.5	21.6
5 to 14 percent	22.4	19.8	36.1	23.4	22.9	20.4	20.9	29.4
15 to 24 percent	10.6	7.7	14.4	11.8	21.1	8.9	12.7	9.8
25 to 49 percent	10.0	7.8	11.6	5.1	28.6	7.2	8.4	19.3
50 to 89 percent	9.9	9.2	4.4	18.2	4.6	8.3	12.1	12.7
90 percent or more	8.1	10.4	5.4	4.6	4.1	11.5	5.4	7.1
Annual tuition:								
Less than $500	13.0	18.8	4.8	5.4	1.1	25.6	6.3	1.1
$500 to $1,000	27.9	35.1	4.4	29.8	5.0	37.1	30.8	1.0
$1,001 to $1,500	26.4	29.1	34.4	22.7	9.3	25.7	30.7	17.6
$1,501 to $2,500	14.8	8.3	28.7	18.0	31.8	7.7	20.4	16.0
More than $2,500	18.2	8.8	27.8	24.4	52.9	3.9	11.9	64.3
Mean enrollment	**234**	**216**	**541**	**211**	**94**	**363**	**142**	**174**
Number of teachers [1] **(1,000)**	**404**	**190**	**83**	**96**	**35**	**185**	**127**	**92**
PERCENT DISTRIBUTION								
Age: Under 30	24.0	25.2	16.0	22.3	36.3	21.9	27.2	23.7
30 to 39 years old	37.6	36.2	39.2	38.1	40.4	36.7	37.8	39.2
40 to 49 years old	23.2	23.2	25.0	25.5	13.0	23.6	21.8	24.6
50 to 59 years old	10.5	10.3	12.3	10.5	7.9	11.8	9.6	9.5
60 years old and over	4.6	5.1	5.6	3.8	2.4	6.0	3.6	3.1
Sex: Male	24.1	10.3	48.6	29.9	25.4	(NA)	(NA)	(NA)
Female	75.9	89.7	51.5	70.1	74.8	(NA)	(NA)	(NA)
Race:								
White, non-Hispanic	92.2	91.1	95.0	92.8	91.1	93.5	91.9	90.2
Black, non-Hispanic	3.8	4.8	1.4	3.3	5.0	2.5	4.0	5.9
Hispanic	2.9	2.9	2.9	3.3	2.4	3.4	2.9	2.2
Education: Bachelor's	64.0	74.1	48.5	58.0	62.5	66.7	63.6	59.3
Master's	29.4	19.8	48.6	32.0	29.9	29.5	26.4	33.8
Experience:								
Less than 5 years	24.8	25.2	18.6	23.7	40.6	20.6	27.5	29.4
5 to 9 years	27.0	27.7	22.8	29.2	27.5	24.5	30.7	26.8
10 years or more	48.2	47.1	58.8	47.1	31.9	54.8	41.8	43.8
Average salary: [2]								
Base salary	$14,400	$12,900	$17,100	$14,900	$14,900	$13,900	$13,600	$16,500
Earned income	$15,600	$13,700	$19,000	$16,500	$18,600	$15,100	$14,800	$18,000

[1] Full- and part-time. [2] Full-time teachers with salaries.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, 1987.

Digitized by Google

No. 225. Scholastic Aptitude Test (SAT) Scores and Characteristics of College Bound Seniors: 1967 to 1986

[For school year ending in year shown]

TYPE OF TEST AND CHARACTERISTIC	Unit	1967	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
TEST SCORES [1]												
Verbal, total [2]	Point	466	460	434	427	424	424	426	425	426	431	431
Male	Point	463	459	437	431	428	430	431	430	433	437	437
Female	Point	468	461	431	423	420	418	421	420	420	425	426
Math, total [2]	Point	492	488	472	467	466	466	467	468	471	475	475
Male	Point	514	509	495	493	491	492	493	493	495	499	501
Female	Point	467	465	449	443	443	443	443	445	449	452	451
PARTICIPANTS												
Total	1,000	(NA)	(NA)	996	992	992	994	989	963	965	977	1,001
Male	Percent	(NA)	(NA)	49.9	48.3	48.2	48.0	48.1	48.2	48.2	48.3	48.1
White	Percent	(NA)	(NA)	86.0	82.9	82.1	81.9	81.7	81.1	80.3	81.0	(NA)
Black	Percent	(NA)	(NA)	7.9	8.9	9.1	9.0	8.9	8.8	9.1	7.5	(NA)
Obtaining scores [1] of—												
600 or above:												
Verbal	Percent	(NA)	(NA)	7.9	7.7	7.2	7.0	7.1	6.9	7.3	7.9	7.9
Math	Percent	(NA)	(NA)	15.6	15.0	15.1	14.4	15.3	15.9	16.7	17.1	17.9
Below 400:												
Verbal	Percent	(NA)	(NA)	37.8	40.7	41.8	41.6	40.2	41.1	40.2	39.4	38.2
Math	Percent	(NA)	(NA)	28.5	29.9	30.2	29.5	29.5	30.1	29.1	28.2	28.0
Selected intended area of study:												
Business and commerce	Percent	(NA)	(NA)	11.5	17.8	18.6	18.5	18.7	18.5	19.1	21.0	(NA)
Engineering	Percent	(NA)	(NA)	6.7	10.1	11.1	11.8	12.6	12.5	12.0	11.7	(NA)
Social science	Percent	(NA)	(NA)	7.7	8.2	7.8	7.4	7.2	7.2	7.3	7.5	(NA)
Education	Percent	(NA)	(NA)	9.1	6.5	6.1	5.7	5.0	4.5	4.6	4.7	(NA)
SAT average [1] by high school rank:												
Top tenth	Point	(NA)	(NA)	(NA)	541	539	539	540	539	543	547	547
Second tenth	Point	(NA)	(NA)	(NA)	471	470	472	473	473	477	482	481
Second fifth	Point	(NA)	(NA)	(NA)	432	431	433	435	435	438	442	440
Third fifth	Point	(NA)	(NA)	(NA)	386	386	387	389	389	392	396	396

NA Not available. [1] Minimum score, 200; maximum score, 800. [2] 1967 and 1970 are estimates based on total number of persons taking SAT.

Source: College Entrance Examination Board, New York, NY, *National College-Bound Seniors*, annual. (Copyright.)

No. 226. American College Testing (ACT) Program Scores and Characteristics of College-Bound Students: 1970 to 1986

[For academic year ending in year shown. Except as indicated, test scores and characteristics of college-bound students. Data based on sample]

TYPE OF TEST AND CHARACTERISTIC	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
TEST SCORES [1]												
Composite	Point	19.9	18.6	18.5	18.6	18.5	18.5	18.4	18.3	18.5	18.6	18.8
Male	Point	20.3	19.5	19.3	19.3	19.3	19.3	19.2	19.1	19.3	19.4	19.6
Female	Point	19.4	17.8	17.8	17.9	17.9	17.8	17.8	17.6	17.9	17.9	18.1
English	Point	18.5	17.7	17.9	17.9	17.9	17.8	17.9	17.8	18.1	18.1	18.5
Male	Point	17.6	17.1	17.4	17.4	17.3	17.3	17.3	17.3	17.5	17.6	17.9
Female	Point	19.4	18.3	18.3	18.4	18.3	18.2	18.4	18.2	18.6	18.6	18.9
Math	Point	20.0	17.6	17.5	17.5	17.4	17.3	17.2	16.9	17.3	17.2	17.3
Male	Point	21.1	19.3	19.1	19.1	18.9	18.9	18.6	18.4	18.6	18.6	18.8
Female	Point	18.8	16.2	16.2	16.2	16.2	16.0	16.0	15.7	16.1	16.0	16.0
Social studies	Point	19.7	17.4	17.1	17.2	17.2	17.2	17.3	17.1	17.3	17.4	17.6
Male	Point	20.3	18.7	18.0	18.1	18.2	18.3	18.1	18.0	18.1	18.3	18.6
Female	Point	19.0	16.4	16.4	16.4	16.4	16.4	16.6	16.4	16.5	16.6	16.9
Natural science	Point	20.6	21.1	20.9	21.1	21.1	21.0	20.8	20.9	21.0	21.2	21.4
Male	Point	21.6	22.4	22.3	22.3	22.4	22.3	22.2	22.4	22.4	22.6	22.7
Female	Point	20.0	20.0	19.8	20.2	20.0	20.0	19.7	19.6	19.9	20.0	20.2
PARTICIPANTS [2]												
Total	1,000	786	714	770	780	822	836	805	835	849	739	730
Male	Percent	52	46	45	45	45	45	45	46	46	46	46
White	Percent	(NA)	77	76	84	83	83	83	82	82	82	82
Black	Percent	4	7	7	8	8	8	8	9	9	8	8
Obtaining composite scores of—												
26 or above	Percent	14	14	13	13	13	13	13	13	13	14	14
15 or below	Percent	21	33	34	33	33	33	34	35	33	32	31
Planned educational major:												
Business [3]	Percent	18	21	18	20	20	19	19	18	19	21	22
Engineering	Percent	8	6	8	8	8	10	11	10	9	9	9
Social science [4]	Percent	10	9	7	6	6	6	6	6	7	7	8
Education	Percent	16	12	9	9	9	7	6	6	6	6	7

NA Not available. [1] Minimum score, 1; maximum score, 36. [2] Beginning 1985, data are for seniors who graduated in year shown and had taken the ACT in their junior or senior years. [3] Includes political and persuasive (e.g. sales) fields through 1975; thereafter, business and commerce. [4] Includes religion through 1975.

Source: The American College Testing Program, Iowa City, IA, *High School Profile Report*, annual.

Digitized by Google

No. 227. Public High School Districts—Mean Number of Credits Required for Graduation: 1982 to 1988

[For school year ending in year shown. A credit is a class scheduled for a minimum of 200 minutes per week (275 for a laboratory class) for 36 weeks. Credits have been converted to a 4-year base. Based on survey and subject to sampling error; see source for details. For definition of mean, see Guide to Tabular Presentation]

Subject and year	NCEE [1] recommendations	Districts with high schools	Enrollment size: Less than 2,500	Enrollment size: 2,500 to 9,999	Enrollment size: 10,000 and over	Region: North Atlantic [2]	Region: Great Lakes and Plains [3]	Region: Southeast [4]	Region: West and Southwest [5]
Total:									
1982	(x)	19.7	19.8	19.5	19.7	19.0	19.4	19.0	21.2
1985	(x)	20.3	20.4	20.0	20.2	19.6	19.9	19.8	21.6
1988 [6]	(x)	21.0	21.1	20.8	21.2	20.4	20.8	20.9	22.3
English [7]	4.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	3.6	3.6	3.7	3.6	4.0	3.4	3.9	3.6
1985	(x)	3.8	3.8	3.8	3.7	4.0	3.6	3.9	3.8
1988 [6]	(x)	3.9	3.9	3.9	3.8	4.0	3.7	4.0	3.9
Mathematics	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.6	1.7	1.6	1.7	1.7	1.4	1.8	1.8
1985	(x)	1.9	1.9	1.8	2.0	1.9	1.7	2.2	2.1
1988 [6]	(x)	2.3	2.3	2.3	2.4	2.4	2.0	2.6	2.5
Science	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	1.5	1.6	1.4	1.4	1.5	1.4	1.6	1.7
1985	(x)	1.8	1.8	1.6	1.7	1.7	1.6	1.8	2.0
1988 [6]	(x)	2.0	2.0	2.0	2.1	2.2	1.8	2.2	2.2
Social studies [8]	3.0	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
1982	(x)	2.6	2.6	2.7	2.8	3.1	2.5	2.4	2.6
1985	(x)	2.8	2.8	2.7	2.8	3.1	2.7	2.5	2.8
1988 [6]	(x)	2.9	2.9	2.8	2.9	3.2	2.8	2.7	2.9

X Not applicable. [1] National Commission on Excellence in Education. [2] Includes CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, and VT. [3] Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI. [4] Includes AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, and WV. [5] Includes AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, and WY. [6] Expected [7] Includes language arts. [8] Includes history.

Source: U.S. Dept. of Education, Center for Education Statistics, Fast Response Survey System, No. 23, *Academic Requirement*.

No. 228. Public High School Graduates—States: 1980 to 1987

[In thousands. Excludes equivalency certificates]

State	1980	1985	1987	State	1980	1985	1987	State	1980	1985	1987
U.S	2,762.4	2,423.6	2,377.2	KS	30.9	26.0	25.7	ND	10.0	8.2	7.3
				KY	40.8	38.0	37.0	OH	144.2	122.3	122.4
AL	45.2	40.0	41.2	LA	46.3	39.0	39.0	OK	39.3	34.6	34.5
AK	5.2	5.2	5.4	ME	15.4	13.9	13.9	OR	29.9	26.9	27.5
AZ	28.6	27.9	28.9	MD	54.5	48.3	44.9	PA	146.5	127.2	121.2
AR	29.1	26.3	26.9	MA	77.0	63.7	56.7	RI	10.9	9.2	8.6
CA	249.2	225.4	226.0	MI	124.3	105.9	100.0	SC	37.7	35.0	33.1
CO	36.8	32.3	34.0	MN	66.1	53.4	53.3	SD	10.7	8.2	8.3
CT	40.0	34.5	33.3	MS	27.6	25.3	25.0	TN	49.8	43.3	44.1
DE	7.6	5.9	5.9	MO	62.3	51.3	50.9	TX	171.4	159.3	163.1
DC	5.1	3.9	3.6	MT	12.1	10.0	9.5	UT	20.0	19.6	20.9
FL	87.8	81.1	81.5	NE	22.4	18.0	16.5	VT	6.6	5.8	5.4
GA	62.7	56.7	56.3	NV	8.5	8.6	8.7	VA	66.9	61.0	65.1
HI	11.8	10.1	9.9	NH	11.4	11.1	11.3	WA	50.4	45.8	48.5
ID	13.1	12.1	12.0	NJ	97.6	85.6	78.8	WV	23.4	22.3	21.6
IL	135.6	117.0	110.0	NM	16.3	15.6	15.3	WI	71.3	60.2	58.3
IN	75.6	64.8	58.0	NY	204.1	166.8	162.2	WY	6.1	5.7	5.6
IA	43.4	36.1	34.3	NC	70.9	67.2	65.8				

Source: National Education Association, Washington, DC, *Estimates of School Statistics*, annual. (Copyright.)

No. 229. High School Dropouts 14 to 24 Years Old, by Age and Race: 1970 to 1986

[As of **October**. See headnote, table 230 for definition of dropouts]

Age and race	Number of dropouts (1,000)								Percent of population			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1985	1986
Total dropouts [1] [2]	**4,670**	**4,974**	**5,212**	**5,160**	**5,025**	**4,784**	**4,456**	**4,318**	**12.2**	**12.0**	**10.6**	**10.5**
16–17 years	617	715	709	556	494	485	505	455	8.0	8.8	7.0	6.1
18–21 years	2,136	2,557	2,578	2,646	2,419	2,297	2,095	1,961	16.4	15.8	14.1	13.6
22–24 years	1,770	1,553	1,798	1,854	1,991	1,845	1,724	1,726	18.7	15.2	14.1	14.3
White [2]	**3,577**	**3,861**	**4,169**	**4,080**	**3,950**	**3,831**	**3,583**	**3,497**	**10.8**	**11.3**	**10.3**	**10.3**
16–17 years	485	594	619	478	424	421	424	394	7.3	9.2	7.1	6.5
18–21 years	1,618	1,980	2,032	2,056	1,897	1,852	1,678	1,566	14.3	14.7	13.8	13.1
22–24 years	1,356	1,169	1,416	1,467	1,531	1,429	1,372	1,408	16.3	14.0	13.3	13.9
Black [2]	**1,047**	**1,024**	**934**	**937**	**918**	**789**	**748**	**707**	**22.2**	**16.0**	**12.6**	**12.0**
16–17 years	125	116	80	66	62	55	70	52	12.8	6.9	6.5	4.7
18–21 years	500	540	486	519	436	373	376	345	30.5	23.0	17.5	16.5
22–24 years	397	337	346	332	396	339	279	272	37.8	24.0	17.8	17.3

[1] Includes other race groups not shown separately. [2] Includes persons 14–15 years, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports, and unpublished data.

Digitized by Google

NO. 230. EMPLOYMENT STATUS OF HIGH SCHOOL GRADUATES NOT ENROLLED IN COLLEGE AND SCHOOL DROPOUTS, BY SEX AND RACE: 1975 TO 1986

[**In thousands, except percent.** As of **October**. For civilian noninstitutional population 16 to 21 years old. High school graduates. Persons not enrolled in college: includes those who attended college prior to survey date. Dropouts: Persons not in regular school and who have not completed the 12th grade nor received a general equivalency degree. Based on sample and subject to sampling variability]

EMPLOYMENT STATUS, SEX, AND RACE	GRADUATES					DROPOUTS				
	1975 [1]	1980	1984	1985	1986	1975 [1]	1980	1984	1985	1986
Civilian population	**7,254**	**7,708**	**6,791**	**6,464**	**6,306**	**3,317**	**3,377**	**2,782**	**2,599**	**2,417**
In labor force	6,008	6,646	5,865	5,565	5,403	2,029	2,248	1,835	1,754	1,579
Percent of population	82.8	86.2	86.4	86.1	85.7	61.2	66.6	66.0	67.5	65.3
Employed	5,111	5,805	5,082	4,727	4,703	1,449	1,636	1,326	1,207	1,158
Percent of labor force	85.1	87.4	86.6	84.9	87.0	71.4	72.8	72.3	68.8	73.3
Male	2,573	2,833	2,452	2,300	2,318	969	1,077	895	811	785
Female	2,538	2,973	2,630	2,427	2,385	480	559	432	396	373
White	4,653	5,211	4,445	4,159	4,091	1,216	1,426	1,169	1,072	1,000
Black	[2] 454	513	561	504	540	[2] 232	179	117	114	121
Unemployed	897	841	783	838	700	580	613	509	547	421
Percent of labor force	14.9	12.7	13.4	15.1	13.0	28.6	27.3	27.7	31.2	26.7
Male	450	465	364	430	326	336	371	312	356	244
Female	447	376	419	408	374	244	242	197	191	177
White	715	624	503	552	471	419	434	366	420	309
Black	[2] 185	207	254	263	216	[2] 161	151	136	119	103
Not in labor force	1,246	1,062	927	898	903	1,289	1,128	946	848	838
Percent of population	17.2	13.8	13.6	13.9	14.0	38.9	33.4	34.0	32.6	34.7

[1] Population controls based on 1980 census; see text, sections 1 and 4.
[2] Black and other races.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Report*, No. 191, Bulletin 2192, and unpublished data.

NO. 231. MEAN MONEY EARNINGS, BY AGE, SEX, AND EDUCATIONAL ATTAINMENT: 1985

[**For year-round full-time workers 18 years old and over.** As of **March 1986**. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

AGE AND SEX	Total	ELEMENTARY			SECONDARY			COLLEGE			
		Total	Less than 8 years	8 years	Total	1–3 years	4 years	Total	1–3 years	4 years	5 or more years
Total	**23,493**	**14,988**	**13,749**	**16,305**	**19,105**	**16,935**	**19,543**	**29,058**	**22,885**	**30,391**	**38,707**
18–24 years old	13,241	9,866	9,283	10,476	12,489	11,407	12,680	14,897	13,884	17,464	16,996
25–34 years old	21,632	12,789	12,118	13,835	16,294	15,865	18,659	24,935	21,541	25,628	31,234
35–44 years old	26,708	15,726	14,044	17,896	20,897	17,210	21,601	32,251	25,715	33,197	40,696
45–54 years old	26,970	16,393	14,954	17,943	21,713	19,257	22,291	35,369	26,901	37,989	43,835
55–64 years old	25,485	16,185	14,962	17,259	20,950	16,936	21,603	35,531	26,183	39,896	43,642
65 years old and over	22,407	11,051	9,751	11,754	19,180	16,225	20,068	32,314	21,516	40,039	38,328
Male, total	**27,430**	**16,490**	**15,039**	**18,061**	**22,175**	**19,241**	**22,852**	**34,105**	**26,705**	**35,400**	**44,478**
18–24 years old	14,300	10,479	10,192	10,748	13,648	12,445	13,907	16,329	15,569	18,484	16,873
25–34 years old	24,067	13,667	12,846	14,972	20,362	17,061	20,936	28,028	24,057	28,834	35,097
35–44 years old	31,565	17,577	15,623	19,935	24,854	19,946	25,919	37,440	29,699	38,028	47,000
45–54 years old	32,379	18,350	16,610	20,273	26,209	22,744	27,129	41,673	31,926	44,380	50,263
55–64 years old	30,247	17,950	16,539	19,240	25,057	22,178	26,113	41,607	31,934	44,510	49,135
65 years old and over	25,369	11,694	10,061	12,844	21,994	18,437	23,120	36,068	24,556	43,680	40,541
Female, total	**17,033**	**10,433**	**9,681**	**11,187**	**14,544**	**12,317**	**14,903**	**20,393**	**17,229**	**21,362**	**26,348**
18–24 years old	11,925	7,601	6,137	9,305	10,832	9,028	11,056	13,620	12,340	16,615	17,098
25–34 years old	17,701	9,413	9,212	9,705	14,839	12,931	15,053	20,244	17,734	21,027	24,624
35–44 years old	18,526	10,900	10,341	11,763	15,492	12,319	15,993	22,082	19,049	22,630	26,762
45–54 years old	17,696	11,013	10,190	11,841	15,462	13,061	15,934	22,245	18,483	22,363	28,357
55–64 years old	16,636	10,733	9,644	11,576	14,851	12,778	15,401	21,794	17,492	24,081	28,466
65 years old and over	15,144	8,902	6,743	9,260	13,866	11,521	14,503	20,528	15,541	27,319	25,111

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

Digitized by Google

NO. 232. HIGH SCHOOL AND COLLEGE GRADUATES, BY SEX AND CONTROL: 1960 TO 1985

[**In thousands, except percent.** See also table 254; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 598-601 and H 752-756]

YEAR OF GRADUATION	HIGH SCHOOL GRADUATES [1]						COLLEGE GRADUATES [3]				
	Total		Sex		Control		Bachelor's degrees [4]				Master's and doctor's degrees [5]
	Number	Percent of persons 17 years old [2]	Male	Female	Public	Private, est.	Total	Per 100 high school graduates 4 yrs. earlier	Male	Female	
1960	1,858	69.5	895	963	1,627	231	392	26	254	138	84
1965	2,658	72.1	1,311	1,347	2,360	298	501	25	289	213	162
1970	2,889	76.9	1,430	1,459	2,589	300	793	30	451	341	273
1975	3,133	73.6	1,542	1,591	2,823	310	923	31	505	418	382
1980	3,043	71.4	1,491	1,552	2,748	295	929	29	474	456	401
1983	2,898	73.3	1,437	1,451	2,598	290	970	31	479	490	396
1984	2,773	73.9	(NA)	(NA)	2,501	272	974	32	482	492	392
1985, prel	2,683	73.3	(NA)	(NA)	2,420	263	979	32	483	497	394

NA Not available. [1] Data for 1960–1970 include about 7,000 graduates of subcollegiate departments of institutions of higher education, Federal schools for Indians and on Federal installations, and residential schools for exceptional children. [2] Based on estimated resident population as of July 1. [3] Data cover public and private institutions. [4] 1960, bachelor's or first professional degree; thereafter, bachelor's degree only. [5] Beginning 1965, includes first professional degrees.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 233. COLLEGE ENROLLMENT AND PERCENT OF HIGH SCHOOL GRADUATES ENROLLED IN, OR COMPLETED ONE OR MORE YEARS OF COLLEGE, BY SEX AND RACE: 1960 TO 1986

[As of **October**, except as noted. Covers civilian noninstitutional population 14 to 24 years old]

ITEM AND YEAR	ALL PERSONS			MALE			FEMALE		
	Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
College enrollment (1,000):									
1960 [2]	2,279	2,138	[3] 141	1,365	1,297	[3] 68	914	841	[3]
1970	6,065	5,535	437	3,461	3,213	202	2,604	2,322	
1975	7,228	6,368	699	3,821	3,437	308	3,407	2,931	
1980	7,475	6,546	718	3,700	3,303	292	3,778	3,243	
1985	7,799	6,729	755	3,880	3,374	355	3,917	3,357	
1986	7,813	6,426	820	3,739	3,206	350	3,874	3,221	
Percent of high school graduates enrolled:									
1960 [2]	23.6	24.3	[3] 18.7	30.4	31.1	[3] 21.1	18.0	18.1	[3]
1970	33.3	33.9	26.7	41.8	42.9	29.5	26.3	26.3	
1975	33.1	33.0	32.5	36.7	36.9	33.4	29.9	29.4	
1980	32.3	32.5	28.3	33.8	34.3	27.0	30.9	30.9	
1985	34.3	35.0	26.5	36.0	36.8	26.2	32.8	33.6	
1986	34.4	34.8	26.8	35.7	36.1	28.2	33.3	33.3	
Percent of high school graduates enrolled in college or completed 1 or more years of college:									
1960 [2]	40.4	41.0	[3] 32.5	46.1	47.1	[3] 33.5	35.3	35.6	
1970	52.3	53.4	40.0	59.2	60.8	41.2	46.5	47.1	
1975	52.5	52.7	48.0	56.1	56.6	50.3	49.2	49.1	
1980	51.1	51.4	46.2	51.4	51.8	44.4	51.0	51.0	
1985	54.3	55.3	43.8	54.6	55.5	43.5	54.0	55.2	
1986	54.6	55.3	47.4	54.2	55.0	43.7	55.3	55.6	

[1] Includes other races, not shown separately. [2] As of April. [3] Black and other races.

Source: U.S. Bureau of the Census, *U.S. Census of Population: 1960*, vol. I, *Characteristics of the Population*, part 1; *Population Reports*, series P-20, No. 409 and earlier reports, and unpublished data.

NO. 234. COLLEGE ENROLLMENT, BY SEX, AGE, AND RACE: 1972 TO 1986

[**In thousands.** As of **October**. Covers civilian noninstitutional population, 14 years old and over. Degree credit enrollment

SEX, AGE, AND RACE	1972	1975	1978	1979	1980	1981 [1]	1981 [2]	1982	1983	1984	1985
Total	**9,095**	**10,880**	**11,140**	**11,380**	**11,387**	**11,814**	**12,127**	**12,309**	**12,320**	**12,304**	**12,524**
Male [3]	5,218	5,911	5,581	5,480	5,430	5,636	5,825	5,899	6,010	5,989	5,905
18–24 years	3,534	3,693	3,621	3,508	3,604	3,724	3,833	3,837	3,820	3,929	3,749
25–34 years	1,178	1,521	1,396	1,356	1,325	1,375	1,442	1,460	1,576	1,492	1,464
35 years and over	365	569	457	487	405	443	453	490	506	476	561
Female [3]	3,877	4,969	5,559	5,900	5,957	6,178	6,303	6,410	6,310	6,317	6,618
18–24 years	2,724	3,243	3,373	3,482	3,625	3,680	3,741	3,841	3,657	3,662	3,784
25–34 years	581	947	1,173	1,319	1,378	1,431	1,485	1,528	1,510	1,522	1,591
35 years and over	416	614	845	914	802	934	940	900	989	970	1,101
White	8,147	9,547	9,662	9,956	9,926	10,166	10,352	10,550	10,566	10,521	10,781
Male	4,723	5,263	4,913	4,823	4,804	4,900	5,011	5,078	5,162	5,111	5,110
Female	3,427	4,285	4,748	5,132	5,123	5,265	5,342	5,474	5,404	5,410	5,668
Black and other races	949	1,333	1,479	1,424	1,461	1,648	1,775	1,758	1,754	1,784	1,744
Male	496	648	668	657	626	735	814	821	848	878	80
Female	450	684	811	768	834	913	961	936	906	906	93

[1] Population controls based on 1970 census; see text, sections 1 and 4. [2] Population controls based on 1980 ce text, sections 1 and 4. [3] Includes persons 14 to 17 years old, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 409 and earlier reports; and unpubli

Digitized by Google

NO. 235. HIGHER EDUCATION—SUMMARY: 1970 TO 1985

[Institutions, staff, and enrollment as of **fall. Finances for fiscal year ending in the following year.** Covers universities, colleges, professional schools, junior and teachers colleges, both publicly and privately controlled, regular session. Includes estimates for institutions not reporting. See also Appendix III, and *Historical Statistics, Colonial Times to 1970*, series H 680, H 699–705, and H 710]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985
Institutions [1]	Number	2,556	3,026	3,152	3,231	3,253	3,280	3,284	3,331	3,340
4-year	Number	1,665	1,898	1,957	1,957	1,979	1,984	2,013	2,025	2,029
2-year	Number	891	1,128	1,195	1,274	1,274	1,296	1,271	1,306	1,311
Instructional staff	1,000	573	781	823	846	865	865	(NA)	(NA)	(NA)
Instructor or above	1,000	474	628	675	686	705	701	723	700	710
Percent full-time	Percent	77.8	70.1	65.9	65.8	64.9	64.9	65.1	65.0	64.2
Total enrollment [2]	1,000	8,581	11,185	11,570	12,097	12,372	12,426	12,465	12,242	12,247
Male	1,000	4,637	5,321	5,683	5,874	5,975	8,031	8,024	5,864	5,818
Female	1,000	3,264	4,410	5,887	6,223	6,397	6,394	6,441	6,378	6,429
4-year institutions	1,000	6,290	7,148	7,353	7,571	7,655	7,655	7,741	7,711	7,718
2-year institutions	1,000	1,630	2,586	4,217	4,526	4,716	4,772	4,723	4,531	4,531
Full-time	1,000	5,489	6,147	6,794	7,098	7,181	7,221	7,261	7,098	7,075
Part-time	1,000	2,431	3,584	4,776	4,999	5,190	5,205	5,204	5,144	5,172
Public	1,000	5,800	7,426	9,037	9,457	9,647	9,696	9,683	9,478	9,479
Private	1,000	2,120	2,306	2,533	2,640	2,725	2,730	2,782	2,765	2,768
Graduate	1,000	1,031	1,263	1,070	1,100	1,101	1,090	1,105	1,114	1,129
Undergraduate [3]	1,000	6,889	8,466	10,500	10,997	11,270	11,336	11,360	11,128	11,118
Male	1,000	4,005	4,621	5,118	5,303	5,404	5,461	5,446	5,267	5,241
Female	1,000	2,884	3,847	5,384	5,694	5,867	5,875	5,914	5,641	5,876
1st time freshmen	1,000	1,780	1,910	2,503	2,588	2,595	2,505	2,444	2,352	2,292
4-year institutions	1,000	5,259	5,884	6,285	6,472	6,555	6,565	6,637	6,597	6,586
Full-time	1,000	4,234	4,577	4,788	4,897	4,939	4,934	4,978	4,930	4,914
Part-time	1,000	1,025	1,307	1,517	1,574	1,615	1,630	1,659	1,667	1,673
2-year institutions	1,000	1,630	2,584	4,215	4,526	4,716	4,771	4,723	4,531	4,531
Public	1,000	5,078	6,520	8,337	8,747	8,946	9,009	8,990	8,784	8,778
Private	1,000	1,813	1,948	2,163	2,251	2,325	2,327	2,370	2,344	2,341
Current funds revenues [4]	Mil. dol	23,879	39,703	58,520	65,585	72,191	77,596	84,417	92,473	
Tuition and fees	Mil. dol	5,021	8,172	11,930	13,773	15,774	17,778	19,715	21,284	
Federal Government	Mil. dol	2,739	5,414	7,772	8,479	8,320	8,181	8,783	11,509	
State government	Mil. dol	6,589	12,261	18,378	20,106	21,649	23,066	24,707	27,583	
Auxiliary enterprises	Mil. dol	3,125	4,548	6,481	7,267	8,122	8,770	9,456	10,100	
Plant funds [5]	Mil. dol	(NA)	3,910	4,382	4,774	5,185	4,997	8,238	6,737	
Increase in fund balance [6]	Mil. dol	498	959	2,154	2,793	2,224	5,322	2,410	4,653	(NA)
Current funds expenditures [4]	Mil. dol	23,375	38,903	56,814	64,053	70,339	75,936	81,993	89,951	
Educational and general [7]	Mil. dol	17,818	30,598	44,543	50,074	54,849	58,929	63,741	70,061	
Auxiliary enterprises and activities	Mil. dol	2,988	4,477	6,486	7,288	7,998	8,814	9,250	10,012	
Gross addition to plant value	Mil. dol	4,165	4,702	5,551	6,471	6,975	7,421	7,604	8,306	
Value of plant	Mil. dol	46,054	66,348	83,733	88,761	94,517	100,993	107,640	114,764	
Endowment (book value)	Mil. dol	11,341	13,952	18,561	20,941	23,085	26,352	29,502	33,399	

NA Not available. [1] Beginning 1975, number of institutions includes count of branch campuses. [2] Beginning 1975, branch campuses counted according to actual status, e.g., 2-year branch in 2-year category; previously a 2-year branch included in university category; 1970 and 1975 characteristics data exclude non-degree enrollment (661,000 and 1,453,000 respectively). [3] Includes first-professional enrollment and unclassified students. [4] Includes items not shown separately. [5] Annual net increase in plant funds. [6] Includes endowment, and, beginning 1975, annuity and student loans. See table 245. [7] Beginning 1975, not strictly comparable with earlier years.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and unpublished data.

NO. 236. ENROLLMENT IN INSTITUTIONS OF HIGHER EDUCATION, BY SEX, AGE, AND ATTENDANCE STATUS, 1970 TO 1985, AND PROJECTIONS, 1995

[As of **fall**]

SEX AND AGE	NUMBER (1,000)					PERCENT PART-TIME				
	1970	1975	1980	1985	1995, proj.	1970	1975	1980	1985	1995, proj.
Total	8,581	11,185	12,097	12,247	11,453	32.2	36.8	41.3	42.2	46.8
Male	5,044	6,149	5,874	5,818	5,388	30.5	36.1	37.2	38.0	42.4
14 to 17 years old	129	126	99	121	88	3.9	13.5	15.2	15.7	13.8
18 and 19 years old	1,349	1,397	1,375	1,230	1,048	6.2	9.2	10.8	9.9	11.0
20 and 21 years old	1,095	1,245	1,259	1,218	946	9.8	15.4	12.2	15.5	15.8
22 to 24 years old	964	1,048	1,064	1,048	909	32.8	34.5	35.4	30.3	32.0
25 to 29 years old	763	1,123	993	991	910	58.2	57.8	81.9	60.1	58.5
30 to 34 years old	308	557	576	574	648	76.8	87.0	77.8	73.9	73.0
35 years old and over	415	654	507	639	839	81.9	76.8	64.8	64.8	65.1
Female	3,537	5,036	6,223	6,429	6,065	34.8	42.1	45.2	46.1	50.7
14 to 17 years old	129	152	148	113	111	9.3	12.5	11.5	10.8	11.7
18 and 19 years old	1,250	1,388	1,526	1,370	1,173	8.8	10.6	11.4	11.4	11.7
20 and 21 years old	785	998	1,165	1,166	902	16.3	19.8	17.9	18.7	19.0
22 to 24 years old	493	706	925	885	719	53.1	54.4	47.4	43.8	43.9
25 to 29 years old	292	651	878	952	823	72.6	66.5	73.6	66.8	67.9
30 to 34 years old	179	410	667	687	746	84.4	76.8	79.8	76.7	76.9
35 years old and over	409	730	913	1,246	1,590	85.8	85.8	87.5	80.0	82.2

Source: U.S. Dept. of Education, Center for Education Statistics, *The Condition of Education*, annual.

Digitized by Google

No. 237. College Freshmen—Summary Characteristics: 1966 to 1986

[In percent. As of fall for first-time, full-time freshmen. Based on sample survey and subject to sampling error, see source]

Characteristic	1966	1970	1975	1980	1981	1982	1983	1984	1985	1986
Sex: Male	57	55	53	49	49	49	49	48	48	48
Female	43	45	47	51	51	51	51	52	52	52
Average grade in high school:										
A – to A +	15	16	18	21	21	21	20	20	21	23
B – to B +	54	58	60	60	60	60	59	58	59	58
C to C +	30	27	21	19	19	19	21	21	20	20
D	1	1	1	1	1	1	1	1	1	1
Political orientation:										
Liberal	(NA)	34	29	20	18	19	19	20	21	2
Middle of the road	(NA)	45	54	60	60	60	60	58	57	5
Conservative	(NA)	17	15	17	20	18	18	19	19	1
Probable field of study:										
Arts and humanities	17	16	11	9	7	8	8	8	8	
Biological sciences	4	4	6	4	4	4	4	4	4	
Business	14	16	19	24	24	24	24	26	27	2
Education	11	11	10	7	7	5	6	7	7	
Engineering	10	9	6	12	12	12	12	11	11	
Physical science	3	2	3	3	3	3	3	3	2	
Social science	15	14	10	7	6	8	6	7	8	
Professional	(NA)	(NA)	(NA)	15	13	13	14	14	13	
Technical	2	4	9	6	6	7	7	5	5	
Data processing/computer programming	(NA)	(NA)	(NA)	2	3	4	4	2	2	
Other [1]	(NA)	(NA)	(NA)	(NA)	14	16	16	16	16	
Communications	(NA)	(NA)	(NA)	2	2	2	2	2	2	
Computer science	(NA)	(NA)	(NA)	1	1	2	5	3	2	
Recipient of financial aid:										
Pell grant	(NA)	(NA)	27	33	26	23	26	20	19	
Supplemental educational opportunity grant	(NA)	(NA)	6	8	6	6	7	6	5	
State scholarship or grant	(NA)	(NA)	19	16	14	15	16	14	14	
College grant	(NA)	(NA)	[3] 9	13	11	12	13	17	19	
Federal guaranteed student loan	(NA)	(NA)	10	21	17	11	15	23	23	
National direct student loan	(NA)	(NA)	10	9	8	6	5	6	6	
College loan	(NA)	(NA)	[3] 3	4	4	4	4	4	4	
College work-study grant	(NA)	(NA)	12	15	12	12	14	9	10	
Essential or important objectives:										
Be very well-off financially	44	39	50	63	65	69	69	71	71	
Develop meaningful philosophy of life	(NA)	76	64	50	49	47	44	45	43	
Help others who are in difficulty	69	65	66	65	63	62	62	62	63	
Become involved in programs to clean environment	(NA)	[3] 43	29	27	25	23	21	21	20	
Attitudes—agree or strongly agree:										
Activities of married women are best confined to home and family	(NA)	48	28	27	27	26	25	23	22	
Capital punishment should be abolished	(NA)	56	(NA)	34	30	28	29	26	27	
Legalize marijuana	(NA)	38	47	39	34	29	26	23	22	

NA Not available. [1] Includes other fields of study, not shown separately. [3] 1976 data. [3] 1971 data.

Source: The Higher Education Research Institute, University of California, Los Angeles, CA, *The American Freshman: Norms*, annual.

No. 238. Changes in Enrollment in Remedial College Courses, 1978 to 1984, and Fre Enrollment in Remedial College Courses, 1984

[**In percent, except as noted. For school year ending in year shown.** Remedial courses are those designed fo lacking skill necessary to perform college-level work as required by the institution. Based on survey and subject to error, see source]

Institutional characteristic	Institutions reporting enrollment in remedial college courses between 1978 and 1984—			Freshmen in remedial courses, 19					
				Number (million)	Percent all freshmen by type of course			Percent c	
	Increased 10 percent or more	Stayed about the same	Decreased 10 percent or more		Reading	Writing	Math	Reading	
Total	**63**	**33**	**4**	**4.8**	**16**	**21**	**25**	**100**	
Control:									
Public	70	26	5	4.1	18	22	27	92	
Private	54	42	4	.7	9	12	15	8	
Type:									
2–year	69	27	5	3.0	19	23	28	73	
4–year	58	38	4	1.8	12	17	19	27	
Admission:									
Open [1]	72	24	4	3.1	20	24	30	77	
Liberal [2]	57	39	4	.7	14	17	18	13	
Traditional [3]	54	39	7	.4	9	13	13	5	
Selective [4]	48	48	4	.5	6	14	13	4	

[1] Institutions accepting all high school graduates. [2] Institutions accepting some students from lower half of hig [3] Institutions accepting only students from top half of high school class. [4] Institutions accepting only stud quarter of high school class.

Source: U.S. Dept. of Education, Center for Education Statistics, Bulletin, "Many College Freshmen Take Rem Sept. 1985.

Digitized by Google

No. 239. College Enrollment, by Selected Major Field of Study and Sex: 1976 and 1984

Selected major field of study	Enrollment (1,000)						Percent distribution					
	1976			1984 [1]			1976			1984 [1]		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total enrollment, selected fields	**2,644.6**	**1,919.9**	**724.7**	**2,460.7**	**1,558.1**	**902.6**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Percent of total enrollment	24.0	33.0	13.9	20.6	27.6	14.6	(x)	(x)	(x)	(x)	(x)	(x)
Agriculture/natural resources	155.8	116.2	39.6	(NA)	(NA)	(NA)	5.9	6.1	5.5	(x)	(x)	(x)
Architecture [2]	68.6	52.6	16.0	56.9	37.6	19.3	2.6	2.8	2.2	2.3	2.4	2.1
Biological sciences	318.0	189.6	128.2	233.5	118.7	114.8	12.0	9.9	17.7	9.5	7.6	12.7
Business and management	1,281.8	860.1	421.7	1,295.6	717.0	578.6	48.5	44.8	58.2	52.7	46.0	64.1
Dentistry	20.3	18.0	2.2	20.0	15.2	4.8	.8	.9	.3	.8	1.0	.5
Engineering	451.7	417.2	34.5	516.3	441.2	75.0	17.1	21.7	4.8	21.0	28.3	8.3
Law	119.6	88.7	30.9	117.7	71.4	46.2	4.5	4.6	4.3	4.8	4.6	5.1
Medicine	58.1	45.1	12.9	67.9	46.5	21.4	2.2	2.4	1.8	2.8	3.0	2.4
Physical sciences	164.3	127.4	36.9	143.7	105.6	38.1	6.2	6.6	5.1	5.8	6.8	4.2
Veterinary medicine	6.1	4.4	1.7	9.2	4.8	4.4	.2	.2	.2	.4	.3	.5

NA Not available. X Not applicable. [1] Excludes students whose major field was not reported. [2] Includes environmental design.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics, 1987.*

No. 240. Higher Education Enrollments in Foreign Languages: 1960 to 1986

[As of fall]

Item	1960	1965	1968	1970	1972	1974	1977	1980	1983	1986
Registrations [1] (1,000)	[2] 647.1	1,034.9	1,127.4	1,111.5	1,008.9	946.6	933.5	924.8	966.0	1,003.2
Index (1960 = 100)	100.0	159.9	174.2	171.8	155.9	146.3	144.3	142.9	149.3	155.0
By selected language (1,000):										
Spanish	178.7	310.3	364.9	389.2	364.5	362.2	376.7	379.4	386.2	411.3
French	228.8	371.6	388.1	359.3	293.1	253.1	246.1	248.4	270.1	275.3
German	146.1	213.9	216.3	202.6	177.1	152.1	135.4	126.9	128.2	121.0
Italian	11.1	22.9	30.4	34.2	33.3	33.0	33.3	34.6	38.7	40.9
Russian	30.6	33.7	40.7	36.1	36.4	32.5	27.6	24.0	30.4	34.0
Latin	[2] 25.7	39.6	35.0	27.6	24.4	25.2	24.4	25.0	24.2	25.0
Japanese	1.7	3.4	4.3	6.6	8.3	9.6	10.7	11.5	16.1	23.5
Ancient Greek	[2] 12.7	19.5	19.3	16.7	20.6	24.4	25.8	22.1	19.4	17.6
Chinese	1.8	3.6	5.1	6.2	10.0	10.6	9.8	11.4	13.2	16.9
Hebrew	3.8	6.1	10.2	16.6	21.1	22.4	19.4	19.4	18.2	15.6
Portuguese	1.0	3.0	4.0	5.1	4.8	5.1	5.0	4.9	4.4	5.1
Arabic	.5	.9	1.1	1.3	1.7	2.0	3.1	3.5	3.4	3.4

[1] Includes other foreign languages, not shown separately. [2] Estimated.

Source: Association of Departments of Foreign Languages, New York, NY, *ADFL Bulletin*, vol. 19, No. 2, and earlier issues. (Copyright.)

No. 241. Foreign (Nonimmigrant) Student Enrollment in Institutions of Higher Education, by Region of Origin, 1976 to 1986, and by Field of Study, 1976 and 1986

[For fall of the previous year]

Region of origin	Enrollment (1,000)									Percent enrolled in—					
										Engineering		Science [1]		Business	
	1976	1979	1980	1981	1982	1983	1984	1985	1986	1976	1986	1976	1986	1976	1986
All regions	**179**	**264**	**286**	**312**	**326**	**337**	**339**	**342**	**344**	**23**	**22**	**13**	**8**	**16**	**18**
Africa	25	34	36	38	42	43	42	40	34	17	16	16	7	20	21
Nigeria	11	16	16	17	20	21	20	18	13	14	12	16	5	22	31
Asia [2]	97	147	165	179	181	187	193	200	210	30	27	13	8	16	16
China, Taiwan	11	15	18	19	21	21	22	23	24	26	27	27	11	6	12
Hong Kong	12	11	10	10	9	9	9	10	11	19	20	15	5	21	27
India	10	9	9	9	11	13	14	15	16	35	34	17	12	15	17
Indonesia	1	2	2	3	4	5	6	7	8	19	25	9	3	19	30
Iran	20	45	51	48	36	27	20	17	14	40	35	8	13	10	6
Japan	7	10	12	14	14	14	13	13	13	9	6	6	4	17	16
Saudi Arabia	3	8	10	10	10	9	9	8	7	27	27	5	3	18	17
South Korea	3	5	5	6	6	11	14	16	19	18	16	13	10	9	16
Europe	14	22	23	25	29	32	32	33	34	13	13	13	6	15	17
Latin America [3]	30	41	42	50	55	57	52	49	45	20	16	12	6	16	20
Mexico	5	6	6	7	6	7	6	6	5	13	14	11	8	17	16
Venezuela	5	6	10	12	14	15	13	10	7	34	26	10	5	6	21
North America	10	16	16	15	15	15	16	16	16	7	10	6	7	10	16
Canada	10	15	15	14	15	14	15	15	15	6	10	7	7	6	15
Oceania	3	4	4	4	4	4	4	4	4	5	7	11	6	13	20

[1] Physical and life sciences. [2] Includes countries not shown separately. [3] Includes Central America, Caribbean, and South America.

Source: Institute of International Education, New York, NY, *Open Doors*, annual. (Copyright.)

Digitized by Google

NO. 242. EMPLOYED COLLEGE STUDENTS, BY SELECTED CHARACTERISTIC: 1983 AND 1985

[For school year ending in year shown and summer of the previous year. Covers students enrolled full-time in undergraduate four year colleges. Based on sample and subject to sampling error; for details, see source. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	TOTAL (1,000)		PERCENT EMPLOYED—							
			Full-time [1]				Part-time [2]			
			School year		Summer		School year		Summer	
	1983	1985	1983	1985	1983	1985	1983	1985	1983	1985
Total	**4,458.9**	**4,510.7**	**9.2**	**12.8**	**54.7**	**61.9**	**47.2**	**45.4**	**33.4**	**37.0**
Sex:										
Male	2,254.7	2,294.9	10.9	14.4	58.5	68.1	44.5	43.0	31.0	33.6
Female	2,204.1	2,215.8	7.5	11.1	50.7	55.3	50.0	47.9	35.8	30.5
Race:										
White	3,833.7	3,863.1	9.1	12.4	56.2	64.0	48.0	45.7	33.9	26.3
Black	377.4	381.9	12.6	16.1	47.8	51.5	36.7	41.2	26.5	31.2
Other	247.7	265.7	6.3	12.7	41.9	45.4	50.0	47.5	36.3	30.4
Enrollment:										
Freshman	1,448.0	1,481.7	7.7	7.9	50.3	56.6	41.2	38.7	37.0	31.1
Sophomore	1,012.3	1,046.3	6.2	12.4	58.3	66.1	46.8	46.5	32.1	22.
Junior	1,021.4	1,006.0	10.5	14.1	53.7	63.1	49.4	51.8	35.1	25
Senior	977.2	976.8	13.4	19.1	58.3	61.6	54.0	47.7	27.5	26
Family income:										
Under $10,000	509.6	354.6	12.6	14.0	44.4	53.1	40.1	53.9	30.6	28
$10,000—$14,999	348.9	368.5	12.1	16.0	52.3	54.1	51.9	46.6	38.2	3
$15,000—$24,999	716.3	638.0	12.9	17.3	55.2	56.6	46.9	45.4	35.9	2
$25,000—$39,999	1,064.9	1,294.7	10.0	12.5	56.0	63.5	49.7	48.9	33.9	2
$40,000—$49,999	450.3	668.4	7.4	10.3	58.2	61.9	43.8	42.4	31.7	2
$50,000 and over	836.7	1,186.6	6.5	10.7	58.7	67.9	40.2	40.3	30.1	2
Do not know	530.2	(X)	3.6	(X)	53.2	(X)	51.3	(X)	35.0	
Living arrangements:										
On campus	1,921.1	2,054.4	3.1	4.9	59.4	67.0	43.9	40.2	31.9	
Off campus:										
With parents	1,190.9	922.5	12.5	18.0	49.7	53.8	61.3	58.0	39.8	
Alone or with others	1,346.9	1,533.8	15.0	20.1	52.3	59.8	39.3	44.7	29.7	
Earnings (dol.):										
Median annual earnings	(NA)	$2,581	(NA)	$7,228	(NA)	$3,130	(NA)	$2,208	(NA)	$
Median monthly discretionary income	$102	$103	$191	$139	$105	$105	$98	$99	$94	

NA Not available. X Not applicable. [1] Thirty or more hours per week. [2] Less than 30 hours per week.

Source: Simmons Market Research Bureau, Inc., New York, NY, *National College Study*, 1983 and 1985. (Copyrig

NO. 243. JUNIOR (TWO-YEAR) COLLEGES—SUMMARY: 1970 TO 1985

[Institutions and their enrollment as of **fall**; financial data for fiscal year ending the following year. Prior to 1975, excludes branches of universities and other four-year institutions. Beginning 1980, includes schools accredited by the National As of Trade and Technical Schools. See *Historical Statistics, Colonial Times to 1970*, series H 690–692 and H 705, for re not comparable data. See also Appendix III]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984
Institutions	**Number**	**892**	**1,128**	**1,195**	**1,274**	**1,274**	**1,296**	**1,271**	**1,3**
Public	Number	654	897	926	945	940	933	916	9
Private	Number	237	231	269	329	334	363	355	3
Enrollment	**1,000**	**2,223**	**3,970**	**4,217**	**4,526**	**4,716**	**4,772**	**4,723**	**4,5**
Public	1,000	2,102	3,836	4,057	4,329	4,481	4,520	4,459	4,2
Private	1,000	121	134	160	198	236	252	264	2
Male	1,000	1,317	2,165	1,922	2,047	2,124	2,170	2,131	2,0
Female	1,000	906	1,805	2,295	2,479	2,592	2,602	2,592	2,5
Current funds revenue [1]	**Mil. dol**	**2,504**	**5,304**	**7,507**	**8,505**	**9,294**	**9,879**	**10,590**	**11,**
Tuition and fees	Mil. dol	413	896	1,302	1,618	1,864	2,106	2,316	2,
State government	Mil. dol	916	2,248	3,635	3,961	4,269	4,487	4,773	5
Local government	Mil. dol	700	1,187	1,168	1,623	1,482	1,585	1,706	1
Current funds expenditures	**Mil. dol**	**2,327**	**5,092**	**7,253**	**8,212**	**9,006**	**9,697**	**10,314**	**11**
Education and general [2]	Mil. dol	2,073	4,736	6,722	7,608	8,358	8,969	9,530	10
Instruction	Mil. dol	1,205	2,401	3,315	3,764	4,156	4,447	4,715	

NA Not available. [1] Includes items not shown separately. [2] Includes mandatory transfers.

Source: U.S. Dept of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and *Financi Institutions of Higher Education*, annual.

Digitized by Google

No. 244. Institutions of Higher Education—Number, 1985, and Enrollment, 1980 and 1985, Selected Characteristics States, and Other Areas

[Number of institutions for academic year beginning 1985. Opening fall enrollment of resident and extension students attending full-time or part-time. Excludes students taking courses for credit by mail, radio, or TV, and students in branches of U.S. institutions operated in foreign countries. See Appendix III. For composition of regions, see fig. I, inside front cover]

Region, division and state or other area	1980		1985									
				Enrollment (1,000)								
	Total enrollment (1,000)	First time freshmen (1,000)	Number of institutions [1]	Total	Male	Female	Public	Private	Full-time	Part-time	First time freshmen
United States	**12,097**	**2,586**	**3,340**	**12,247**	**5,818**	**6,429**	**9,479**	**2,768**	**7,075**	**5,172**	**2,292**
Region:											
Northeast	2,587	522	829	2,617	1,215	1,402	1,499	1,118	1,611	1,006	479
Midwest	3,044	721	871	3,151	1,514	1,638	2,485	666	1,848	1,303	624
South	3,437	740	1,059	3,630	1,703	1,927	2,993	637	2,167	1,463	706
West	2,978	600	575	2,794	1,338	1,456	2,448	346	1,395	1,399	479
New England	**766**	**166**	**262**	**786**	**361**	**426**	**398**	**388**	**476**	**310**	**153**
Maine	43	10	30	52	21	31	33	19	29	23	10
New Hampshire	47	12	28	52	25	28	27	26	36	17	12
Vermont	31	7	22	31	14	17	19	13	23	9	6
Massachusetts	418	90	121	421	196	225	186	236	262	160	80
Rhode Island	67	13	13	70	33	37	35	35	44	26	13
Connecticut	160	35	48	159	72	87	99	61	83	76	32
Middle Atlantic	**1,822**	**356**	**567**	**1,831**	**854**	**977**	**1,101**	**730**	**1,136**	**695**	**326**
New York	992	183	301	1,000	456	544	563	437	628	372	169
New Jersey	322	65	60	298	137	161	237	60	150	147	50
Pennsylvania	508	109	206	533	261	272	301	233	357	176	107
East North Central	**2,170**	**516**	**534**	**2,226**	**1,068**	**1,158**	**1,766**	**460**	**1,258**	**969**	**438**
Ohio	489	111	142	515	259	256	379	136	310	205	108
Indiana	247	57	75	251	124	127	194	57	164	86	53
Illinois	644	148	162	679	315	364	520	158	335	343	118
Michigan	520	125	92	507	238	269	434	73	267	240	103
Wisconsin	269	75	63	275	133	142	239	36	181	94	57
West North Central	**875**	**205**	**337**	**925**	**446**	**479**	**719**	**206**	**590**	**335**	**185**
Minnesota	207	43	69	221	104	117	174	47	142	80	46
Iowa	140	39	59	153	77	76	113	43	114	39	36
Missouri	234	50	92	241	117	124	169	72	143	98	40
North Dakota	34	10	19	38	20	18	35	3	30	8	8
South Dakota	33	8	18	33	15	18	23	9	24	9	7
Nebraska	90	24	28	98	47	51	81	17	57	41	20
Kansas	137	30	52	141	66	75	127	14	81	60	28
South Atlantic	**1,724**	**349**	**542**	**1,819**	**837**	**982**	**1,441**	**378**	**1,039**	**780**	**343**
Delaware	33	9	8	32	14	18	28	4	20	12	7
Maryland	226	49	56	232	103	128	199	33	109	123	40
District of Columbia	87	15	19	79	39	40	13	66	47	31	10
Virginia	261	41	72	292	132	161	251	42	165	128	47
West Virginia	82	16	29	77	34	42	67	10	49	28	15
North Carolina	288	70	128	327	148	179	267	60	198	129	76
South Carolina	133	35	63	132	61	71	106	26	93	39	31
Georgia	184	35	80	197	94	103	149	48	133	64	38
Florida	412	80	87	451	213	239	362	89	225	227	79
East South Central	**614**	**140**	**245**	**617**	**288**	**329**	**508**	**109**	**423**	**194**	**127**
Kentucky	143	31	45	142	63	78	111	31	94	47	26
Tennessee	205	45	80	195	91	103	148	47	129	66	34
Alabama	164	41	78	179	87	92	159	21	124	56	39
Mississippi	102	24	42	101	46	55	91	10	77	25	27
West South Central	**1,099**	**250**	**272**	**1,194**	**578**	**616**	**1,043**	**151**	**704**	**490**	**235**
Arkansas	78	19	36	78	35	43	66	12	55	23	18
Louisiana	160	34	31	177	84	93	153	24	129	48	32
Oklahoma	160	33	47	169	82	87	147	22	96	73	31
Texas	701	165	158	770	377	393	677	93	424	346	155
Mountain	**658**	**150**	**155**	**697**	**342**	**355**	**613**	**84**	**385**	**312**	**131**
Montana	35	8	16	36	18	18	32	4	26	10	6
Idaho	43	11	10	43	21	22	34	9	28	14	10
Wyoming	21	5	8	24	11	13	24	–	14	11	5
Colorado	163	29	48	161	79	82	142	19	102	59	25
New Mexico	58	10	20	68	32	37	66	2	37	31	10
Arizona	203	61	31	217	105	112	202	15	96	121	47
Utah	94	20	14	104	57	47	69	35	68	36	15
Nevada	41	6	8	44	20	24	43	(Z)	13	31	12
Pacific	**2,321**	**450**	**416**	**2,097**	**997**	**1,101**	**1,835**	**262**	**1,010**	**1,087**	**349**
Washington	304	25	53	232	108	124	202	30	146	85	26
Oregon	158	45	46	138	69	69	120	18	85	53	29
California	1,791	360	290	1,650	784	866	1,444	206	741	909	285
Alaska	21	11	15	27	12	16	27	1	9	18	1
Hawaii	47	9	12	50	24	26	43	7	29	21	8
U.S. military [2]	**50**	**5**	**10**	**54**	**48**	**6**	**54**	**(x)**	**54**	**(z)**	**4**
Other:											
PR	131	36	41	156	62	94	56	99	125	30	35
GU	3	1	2	5	2	2	5	–	2	2	1
VI	2	(z)	1	3	1	2	3	–	1	2	(z)

– Represents zero. X Not applicable. Z Less than 500. [1] Branch campuses counted as separate institutions. [2] Military academies.

Source: U.S. Dept. of Education, Center for Education Statistics, *Fall Enrollment in Higher Education*, annual; and *Education Directory, Colleges and Universities*, annual.

Digitized by Google

NO. 245. INSTITUTIONS OF HIGHER EDUCATION—FINANCES: 1975 TO 1985

[In millions of dollars. For fiscal years ending in year shown. For coverage, see headnote, table 235. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 729–738 and H 747–749]

ITEM	1975	1980	1981	1982	1983	1984	1985		
							Total	Public	Private
Current funds revenues	**35,687**	**58,520**	**65,585**	**72,191**	**77,596**	**84,417**	**92,473**	**59,794**	**32,679**
Tuition and fees	7,233	11,930	13,773	15,774	17,776	19,715	21,284	8,648	12,636
Federal Government	4,991	7,772	8,479	8,320	8,181	8,783	11,509	6,310	5,199
State government	10,857	18,378	20,106	21,849	23,066	24,707	27,583	26,965	618
Local government	1,424	1,586	1,791	1,938	2,031	2,192	2,387	2,179	208
Endowment earnings	718	1,177	1,364	1,597	1,721	1,874	2,096	343	1,753
Private gifts, grants, and contracts [1]	1,745	2,808	3,177	3,564	4,053	4,415	4,896	1,846	3,050
Educational activities [2]	555	1,239	1,410	1,583	1,723	1,971	2,126	1,424	702
Auxiliary enterprises	4,081	6,481	7,287	8,122	8,770	9,466	10,100	6,296	3,804
Other funds revenues [3]	4,083	7,146	8,198	9,446	10,275	11,304	10,490	5,782	4,706
Plant funds [4]	3,311	4,382	4,774	5,185	[5] 4,997	6,238	6,737	4,406	2,331
Increase in fund balance	486	2,153	2,793	2,224	[5] 5,322	2,410	4,653	773	3,879
Endowment	229	1,874	2,493	2,030	[5] 4,875	2,146	4,302	694	3,607
Annuity and life income	26	64	56	49	[5] 177	69	153	9	144
Loans	231	215	244	145	[6] 269	193	198	70	128
Current funds expenditures [6]	**35,058**	**56,914**	**64,053**	**70,339**	**75,936**	**81,993**	**89,951**	**58,315**	**31,637**
Educational and general	27,548	44,543	50,074	54,849	58,929	63,741	70,061	46,874	23,188
Instruction	11,798	18,497	20,733	22,963	24,673	26,436	28,777	20,287	8,490
Institutional support	3,057	5,054	5,773	6,471	6,951	7,763	8,588	5,192	3,396
Research	3,132	5,099	5,658	5,930	6,265	6,724	7,552	5,119	2,433
Plant operation [7]	2,787	4,700	5,350	5,979	6,392	6,730	7,346	5,041	2,306
Academic support	2,256	3,876	4,273	4,656	5,087	5,533	6,075	4,268	1,807
Libraries	1,002	1,624	1,759	1,922	2,040	2,231	2,361	1,557	804
Student services	1,439	2,567	2,909	3,177	3,461	3,798	4,178	2,684	1,494
Scholarships and fellowships	1,450	2,200	2,505	2,685	2,923	3,302	3,671	1,375	2,296
Unrestricted funds	632	905	1,081	1,236	1,479	1,738	1,962	569	1,393
Restricted funds	818	1,296	1,424	1,449	1,444	1,563	1,709	806	903
Public service	1,098	1,817	2,058	2,204	2,220	2,499	2,861	2,316	545
Mandatory transfers	532	732	815	784	857	958	1,015	591	424
Auxiliary enterprises [8]	4,074	6,486	7,288	7,998	8,614	9,250	10,012	6,432	3,581
Hospitals [8]	2,351	4,757	5,433	6,234	6,986	7,380	8,011	4,915	3,096
Independent operations [8]	1,087	1,128	1,258	1,259	1,406	1,622	1,866	95	1,773
Gross addition to plant value [9]	**4,761**	**5,551**	**6,471**	**6,975**	**7,421**	**7,604**	**8,306**	**5,390**	**2,916**
Value of plant (grounds, buildings, equipment)	**62,183**	**83,733**	**88,761**	**94,517**	**100,993**	**107,640**	**114,764**	**77,314**	**37,450**
Endowment (book value) [5]	**13,403**	**18,561**	**20,941**	**23,085**	**26,352**	**29,502**	**33,399**	**6,478**	**26,921**

[1] Private grants represent nongovernmental revenue for sponsored research and other sponsored programs; includes private contracts. [2] Sales and services of educational departments only. [3] Includes sales and services of hospitals, federally funded research and development centers, and other sources. [4] Annual net increase in plant funds. [5] 1983 data estimated. [6] Includes mandatory transfers which are primarily current expenditures for plant. [7] Includes maintenance. [8] Includes expenditures from current funds for plant expansion. [9] Includes funds functioning as endowment funds.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 246. HIGHER EDUCATION PRICE INDEXES: 1965 TO 1986

[1967 = 100. For years ending **June 30.** Reflects prices paid by colleges and universities. For explanation of average annual percent change, see Guide to Tabular Presentation]

YEAR	Index, total	Average annual percent change [1]	PERSONNEL COMPENSATION				CONTRACTED SERVICES, SUPPLIES, AND EQUIPMENT					
			Total	Professional salaries	Nonprofessional salaries	Fringe benefits	Total	Services	Supplies and materials	Equipment	Books, periodicals	Utilities
1965	91	4.3	89	89	94	78	96	95	96	95	91	100
1970	121	5.9	124	121	118	146	111	113	106	111	121	104
1972	136	5.8	138	133	136	180	126	126	113	119	164	122
1973	143	5.3	146	138	144	198	132	132	116	123	177	129
1974	153	7.1	155	145	153	222	145	138	132	131	195	158
1975	166	8.8	166	154	166	241	169	150	164	154	220	203
1976	177	6.6	176	162	179	267	180	157	172	163	252	218
1977	189	6.5	187	169	192	295	195	167	181	172	268	258
1978	201	6.7	199	173	207	324	209	176	188	183	286	292
1979	217	7.7	215	189	223	367	226	187	203	198	316	321
1980	238	9.9	232	202	243	409	261	202	239	216	364	409
1981	264	10.7	255	220	266	460	299	225	270	237	400	508
1982	290	10.0	279	239	287	528	332	251	284	255	443	589
1983	309	6.3	298	255	303	569	350	265	283	265	470	638
1984	325	5.4	316	267	319	633	360	277	292	270	487	643
1985	347	6.7	341	284	331	727	371	289	298	277	505	657
1986	363	4.4	360	301	343	771	370	303	295	283	524	609

[1] Change from immediate prior year

Source: U.S. National Institute of Education, *Inflation Measures for Schools and Colleges*, 1983, beginning 1983, Research Associates of Washington, Washington, DC, *Higher Education Prices and Price Indexes*, annual.

Digitized by Google

No. 247. Finances of Public Institutions of Higher Education, 1986 and 1987, and by State, 1987

[For academic years ending in year shown. Data provided by the State higher education finance officers, except as indicated]

Year and State	FTE [1] enrollment (1,000)	Appropriations for current operations [2]		Net tuition revenues [3]	
		Total (mil. dol.)	Per FTE [1] student (dol.)	Total (mil. dol.)	Per FTE [1] student (dol.)
Total, 1986	6,980.6	26,424.9	3,785	7,789.4	1,116
Total, 1987	**7,061.4**	**27,337.7**	**3,871**	**8,215.1**	**1,163**
AL	139.3	418.5	3,005	143.0	1,027
AK	14.2	138.2	9,743	17.8	1,255
AZ	119.1	433.5	3,639	110.7	929
AR	56.6	195.2	3,436	59.7	1,051
CA	968.3	4,519.1	4,667	481.5	497
CO	114.1	305.0	2,673	208.4	1,826
CT	58.7	302.7	5,158	80.2	1,367
DE	21.4	92.2	4,314	62.5	2,924
DC	7.6	67.7	8,719	6.3	811
FL	266.4	836.2	3,147	207.6	779
GA [4]	126.5	554.9	4,387	163.0	1,289
HI	28.3	223.0	7,876	18.0	636
ID	31.0	123.0	3,974	18.9	611
IL	350.8	1,251.1	3,567	296.7	846
IN	152.0	547.4	3,601	267.0	1,757
IA	95.0	338.3	3,561	149.5	1,574
KS	92.0	299.3	3,253	102.6	1,115
KY	91.0	328.6	3,611	110.0	1,209
LA	117.9	348.6	2,956	165.5	1,403
ME	26.2	118.0	4,497	39.9	1,521
MD	142.8	499.5	3,495	208.7	1,460
MA	124.6	620.0	4,978	178.2	1,431
MI	321.1	1,166.1	3,631	603.6	1,880
MN	160.4	616.0	3,854	184.1	1,148
MS	84.7	227.4	2,684	111.3	1,314
MO	129.7	435.5	3,359	175.8	1,356
MT	26.9	89.5	3,323	25.0	928
NE	56.8	149.3	2,628	63.0	1,109
NV	21.5	88.5	4,122	23.2	1,080
NH	21.4	52.7	2,464	67.6	3,170
NJ	146.1	754.4	5,163	245.1	1,677
NM	48.2	199.0	4,129	34.9	724
NY	421.7	2,467.6	5,852	442.1	1,048
NC	239.4	919.5	3,841	146.9	614
ND	30.4	95.5	3,145	37.5	1,235
OH	310.8	992.6	3,194	536.2	1,725
OK	115.1	297.6	2,586	73.7	640
OR	93.2	328.9	3,531	112.6	1,211
PA	251.5	962.1	3,825	596.4	2,371
RI	27.4	106.7	3,893	43.8	1,598
SC	80.3	362.3	4,509	123.8	1,541
SD	17.6	46.3	2,601	20.7	1,163
TN	113.3	504.5	4,453	155.9	1,376
TX [4]	523.0	1,585.1	3,031	429.5	821
UT	55.8	215.2	3,867	59.9	1,076
VT	14.2	29.2	2,063	65.4	4,622
VA	184.2	676.3	3,672	273.2	1,483
WA	150.4	533.9	3,550	153.5	1,021
WV	52.3	153.1	2,926	59.8	1,143
WI	188.7	660.8	3,609	294.0	1,558
WY	17.0	118.0	6,826	13.5	794

[1] Full-time equivalent (FTE). Credit and non-credit program enrollment including summer session. Excludes medical enrollments. [2] State and local appropriations. Includes aid to students attending in-State public institutions. Excludes sums for research, agriculture stations and cooperative extension, and hospitals and medical schools. [3] Excludes appropriated aid to students attending in-State public institutions. [4] Estimated by collecting agency.

Source: Research Associates of Washington, Washington, DC, *State Profiles: Financing Public Higher Education*, annual.

No. 248. Major Federal Student Financial Assistance Programs—Type of Program, Number of Recipients, and Funds Utilized: 1970 to 1987

[For award years July 1 of year shown to the following June 30. For information on various programs, see source. Funds utilized exclude operating costs, etc., and represent funds given to students]

Program	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel.	1987, proj.
Pell Grants:											
Number of recipients	1,000	(x)	1,216	2,858	2,779	2,608	2,849	2,830	2,910	2,646	2,933
Funds utilized	Mil. dol.	(x)	925	2,387	2,295	2,425	2,792	3,035	3,596	2,883	3,647
Average grant	Dollars	(x)	761	835	826	930	980	1,073	1,236	1,090	1,312
Supplemental Educational Opportunity Grants: [1]											
Number of recipients	1,000	253.4	390.0	716.5	658.9	640.7	646.6	652.0	720.0	689.0	720.0
Funds utilized	Mil. dol.	134	201	368	362	343	361	374	396	379	396
Average grant	Dollars	527	513	513	549	535	557	573	550	550	550
National Direct Student Loans:											
Number of recipients	1,000	452.0	690.0	613.4	684.1	674.9	716.8	697.2	856.6	896.0	944.0
Loan funds utilized [2]	Mil. dol.	241	460	694	580	597	682	677	792	829	873
Average loan	Dollars	532	667	853	848	884	949	971	925	925	925
Loans in default [3]	Mil. dol.	(NA)	(NA)	608.1	640.7	675.2	668.0	690.1	(NA)	(NA)	(NA)
Default rate	Percent	(NA)	(NA)	11.9	11.1	10.5	9.5	8.3	(NA)	(NA)	(NA)
College Work-Study:											
Number of recipients	1,000	425.0	570.0	819.1	739.4	720.1	771.6	735.5	786.8	752.7	786.6
Funds utilized [4]	Mil. dol.	200	295	660	624	615	684	645	692	662	692
Average annual earnings	Dollars	470	518	806	844	854	886	877	880	880	880
Guaranteed Student Loans: [5]											
Number of loans	1,000	1,017	923	2,904	3,165	3,022	3,268	3,722	3,728	3,580	3,844
Loan funds utilized [6]	Mil. dol.	1,015	1,267	6,200	7,226	8,694	7,578	8,608	8,831	8,834	9,526
Average loan	Dollars	998	1,373	2,135	2,213	2,215	2,319	2,313	2,369	2,468	2,478
Loans in default	Mil. dol.	(NA)	(NA)	1,694	1,984	2,515	3,191	4,227	(NA)	(NA)	(NA)
Default rate [6]	Percent	(NA)	(NA)	9.7	8.7	8.3	8.3	8.9	(NA)	(NA)	(NA)

NA Not available. X Not applicable. [1] For 1970, data represents Educational Opportunity Grants Program. [2] Includes institutional matching funds. [3] Loans in default represents all loans in institutions' portfolio. [4] Beginning with 1981, data include activity under the PLUS Program (includes the following eligible borrowers: Parents of dependent undergraduate students, independent undergraduate students, and graduate professional students). [5] Represents dollar amount of commitments. [6] Cumulative dollar amount of default claims to lenders, minus cumulative collections as a percent of cumulative matured loans.

Source: U.S. Dept. of Education, Office of Postsecondary Education, unpublished data.

Digitized by Google

No. 249. Institutions of Higher Education—Charges: 1970 to 1987

[**In dollars.** Estimated. Data are for the entire academic year ending in year shown. Figures for 1970 are average charges for full-time resident degree-credit students; figures for later years are average charges per full-time equivalent student. Room and board are based on full-time students]

Academic control and year	Tuition and required fees				Board rates				Dormitory charges			
	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools	All institutions	2-yr. colleges	4-yr. universities	Other 4-yr. schools
Public:												
1970	323	178	427	306	511	465	540	483	369	308	395	346
1975	432	277	599	448	625	638	634	613	506	424	527	497
1980	583	355	840	662	867	894	896	833	715	572	749	703
1982	721	432	1,042	813	1,038	1,068	1,067	1,003	909	697	970	885
1983	798	473	1,164	936	1,136	1,162	1,167	1,103	1,010	755	1,072	993
1984	891	528	1,284	1,052	1,178	1,205	1,213	1,141	1,087	801	1,131	1,092
1985	971	584	1,386	1,117	1,241	1,302	1,276	1,201	1,192	1,302	1,276	1,201
1986, est	1,040	620	1,510	1,200	1,290	1,370	1,310	1,240	1,300	1,010	1,336	1,310
1987, est	1,100	650	1,590	1,270	1,360	1,450	1,380	1,300	1,360	1,060	1,400	1,370
Private:												
1970	1,533	1,034	1,809	1,468	561	546	608	543	436	413	503	409
1975	2,117	1,367	2,614	1,954	700	660	771	666	586	564	691	536
1980	3,130	2,062	3,811	3,020	955	924	1,078	911	827	769	999	768
1982	3,972	2,697	4,887	3,855	1,175	1,118	1,326	1,124	1,037	1,025	1,226	970
1983	4,439	3,008	5,583	4,329	1,300	1,179	1,501	1,234	1,181	1,177	1,453	1,083
1984	4,851	3,099	6,217	4,726	1,380	1,219	1,559	1,327	1,278	1,253	1,531	1,191
1985	5,314	3,485	6,843	5,135	1,462	1,294	1,647	1,405	1,426	1,424	1,753	1,309
1986, est	5,750	3,760	7,450	5,550	1,540	1,340	1,720	1,490	1,540	1,340	1,720	1,490
1987, est	6,230	4,060	8,060	6,000	1,600	1,400	1,790	1,550	1,640	1,600	2,020	1,520

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 250. Voluntary Financial Support of Higher Education: 1970 to 1986

[For school years ending in years shown; enrollment as of fall of preceding year. Voluntary support, as defined in *Gift Reporting Standards*, excludes income from endowment and other invested funds as well as all support received from Federal, State, and local governments and their agencies]

Item	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Estimated support, total [1]	Mil. dol.	**1,780**	**2,160**	**3,800**	**4,230**	**4,860**	**5,160**	**5,500**	**6,320**	**7,400**
Foundations	Mil. dol.	484	497	903	922	1,003	1,018	1,081	1,175	1,363
Individuals	Mil. dol.	822	1,002	1,757	2,056	2,337	2,427	2,621	2,876	3,606
Alumni	Mil. dol.	381	486	910	1,049	1,240	1,237	1,305	1,460	1,825
Business corporations	Mil. dol.	269	357	696	778	976	1,112	1,271	1,574	1,702
Religious denominations	Mil. dol.	102	112	155	140	175	206	190	208	211
Current operations	Mil. dol.	951	1,370	2,250	2,590	2,870	3,125	3,405	3,800	4,022
Capital purposes	Mil. dol.	829	790	1,550	1,640	1,990	2,035	2,195	2,520	3,378
Enrollment, higher education	1,000	8,094	10,224	11,570	12,097	12,372	12,426	12,465	12,242	12,247
Support per student	Dollars	220	211	328	350	393	415	449	516	604
In 1967 dollars	Dollars	194	137	142	135	140	141	147	163	186
Expenditures, higher education	Bil. dol.	24.7	38.9	62.5	70.5	77.3	83.3	89.6	98.3	105.4
Expenditures per student	Dollars	3,052	3,805	5,402	5,828	6,248	6,704	7,188	8,030	8,606
In 1967 dollars	Dollars	2,698	2,460	2,327	2,245	2,225	2,282	2,356	2,536	2,651
Institutions reporting support	Number	1,045	986	1,019	928	1,101	1,137	1,118	1,114	1,194
Total support reported	Mil. dol.	**1,472**	**1,875**	**3,055**	**3,318**	**4,006**	**4,368**	**4,696**	**5,295**	**6,332**
Private 4-year institutions	Mil. dol.	1,154	1,227	2,178	2,367	2,835	2,968	3,146	3,522	4,164
Public 4-year institutions	Mil. dol.	292	431	856	929	1,217	1,362	1,504	1,728	2,104
Two-year colleges	Mil. dol.	26	17	20	21	34	38	35	45	64

[1] Includes other contributions not shown separately.

Source: Council for Financial Aid to Education, New York, NY, *Voluntary Support of Education*, annual.

No. 251. Institutions of Higher Education—Average Salaries and Fringe Benefits for Faculty Members, by Type of Control: 1970 to 1987

[**In thousands of dollars.** For academic year ending in year shown. Figures are for 9 months teaching for full-time faculty members in four-year colleges and universities]

Type of control and academic rank	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
AVERAGE SALARIES												
Public: All ranks	13.1	16.6	19.3	20.5	22.1	23.9	26.2	28.6	29.4	31.2	33.4	35.8
Professor	17.3	21.7	25.4	26.8	28.8	31.0	33.7	36.0	37.1	39.6	42.3	45.3
Associate professor	13.2	16.7	19.5	20.5	21.9	23.4	25.7	27.5	28.4	30.2	32.2	34.2
Assistant professor	10.9	13.7	16.0	16.8	18.0	19.2	21.2	22.6	23.5	25.0	26.7	28.5
Instructor	9.1	11.2	13.1	13.9	14.8	15.1	16.7	17.7	19.1	19.5	20.9	21.8
Private: [1] All ranks	13.1	16.6	19.4	21.2	22.1	24.4	26.8	29.2	31.1	33.0	35.4	37.8
Professor	17.8	22.4	26.2	28.1	30.1	32.7	35.8	38.8	41.5	44.1	47.0	50.3
Associate professor	12.6	16.0	18.7	19.8	21.0	23.1	25.4	27.5	29.4	30.9	32.9	34.9
Assistant professor	10.3	13.0	15.1	16.0	17.0	18.4	20.4	22.1	23.7	25.0	26.8	28.3
Instructor	8.6	10.9	12.1	13.2	13.3	14.4	15.9	17.6	18.4	19.0	19.8	20.4
AVERAGE FRINGE BENEFITS												
All ranks combined:												
Public	1.9	2.5	3.0	3.4	3.9	4.7	5.1	5.4	6.0	7.0	7.9	7.8
Private [1]	2.2	2.8	3.3	3.6	4.1	4.9	5.4	5.7	6.4	7.2	8.0	8.6

[1] Excludes church-related colleges and universities.

Source: Maryse Eymonerie Associates, McLean, VA. Data derived from the American Association of University Professors, Washington, DC, *Annual Report on the Economic Status of the Profession*.

Digitized by Google

NO. 252. INSTITUTIONS OF HIGHER EDUCATION—TENURE STATUS OF FULL-TIME FACULTY, BY TYPE OF INSTITUTION AND RANK OF FACULTY: 1986

[Data are for those institutions of higher education reporting tenure status. Excludes schools with no tenure]

TYPE OF INSTITUTION AND STATUS	TYPE OF INSTITUTION				RANK OF FACULTY				
	Total [1]	University	Other 4-yr. colleges	2-yr. colleges	Professor	Associate professor	Assistant professor	Instructor	Lecturer
PUBLIC									
Total faculty	266,070	90,326	114,479	61,265	83,476	67,841	58,939	18,142	5,666
With tenure	183,432	61,512	75,533	46,387	80,536	57,968	17,165	2,439	616
Percent	68.9	68.1	66.0	75.7	96.5	85.4	29.1	13.4	10.9
PRIVATE									
Total faculty	92,682	30,051	61,278	1,353	30,744	26,237	26,357	6,314	1,249
With tenure	53,351	18,940	33,756	655	28,849	19,376	4,214	168	26
Percent	57.6	63.0	55.1	48.4	93.8	73.8	16.0	2.7	2.1

[1] Includes instructional faculty with no academic rank, not shown separately.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

NO. 253. MONTHLY SALARY OFFERS TO CANDIDATES FOR DEGREES BY FIELD OF STUDY: 1980 TO 1986

[**In dollars.** Data are average beginning salaries based on offers made by business, industrial, government, and nonprofit and educational employers to graduating students. Data from representative colleges throughout U.S.]

FIELD OF STUDY	BACHELOR'S				MASTER'S [1]				DOCTOR'S			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
Accounting	1,293	1,627	1,697	1,768	1,517	1,933	2,005	2,132	(NA)	(NA)	(NA)	(NA)
Business, general [2]	1,218	1,555	1,636	1,638	1,795	2,375	2,382	2,529	(NA)	(NA)	(NA)	(NA)
Marketing [3]	1,145	1,485	1,548	1,606	1,794	2,279	2,454	2,337	(NA)	(NA)	(NA)	(NA)
Engineering:												
Civil	1,554	1,897	1,969	2,011	1,753	2,227	2,363	2,391	2,089	3,108	2,507	2,692
Chemical	1,801	2,285	2,369	2,438	1,647	2,557	2,596	2,678	2,452	3,239	3,405	3,557
Electrical [4]	1,690	2,213	2,283	2,364	1,912	2,584	2,727	2,851	2,534	3,430	3,542	3,845
Mechanical	1,703	2,190	2,259	2,322	1,893	2,524	2,621	2,740	2,426	3,199	3,168	3,435
Nuclear [5]	1,668	2,199	2,283	2,308	1,831	2,471	2,582	2,933	(NA)	(NA)	(NA)	(NA)
Petroleum	1,987	2,464	2,583	2,750	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Engineering technology	1,585	2,078	2,137	2,183	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemistry	1,459	1,756	1,897	1,948	1,686	2,228	2,177	2,333	2,261	2,960	3,032	3,113
Mathematics	1,475	1,950	2,047	2,037	1,685	2,397	2,337	2,548	2,199	2,963	2,977	3,292
Physics	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2,303	3,201	3,176	3,527
Humanities	1,074	1,477	1,461	1,606	1,309	1,561	1,514	1,624	(NA)	(NA)	(NA)	(NA)
Social sciences [6]	1,072	1,452	1,545	1,665	1,298	1,648	1,771	1,754	(NA)	(NA)	(NA)	(NA)
Computer science	1,558	2,046	2,082	2,216	1,858	2,505	2,584	2,777	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Candidates with 1 year or less of full-time nonmilitary employment. [2] For master's degree, offers are after nontechnical undergraduate degree. [3] Includes distribution. [4] Includes computer engineering. [5] Includes engineering physics. [6] Excludes economics.

Source: College Placement Council, Inc., Bethlehem, PA, *A Study of Beginning Offers*, annual. (Copyright.)

NO. 254. EARNED DEGREES CONFERRED, BY LEVEL OF DEGREE: 1950 TO 1985

[**In thousands, except percent.** Except as noted, includes Puerto Rico; beginning 1960 includes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series H 751–763, for similar data. See also Appendix III]

YEAR	TOTAL		BACHELOR'S [1]		MASTER'S		DOCTORATES		PERCENT OF TOTAL		
	Number	Percent male	Male	Female	Male	Female	Male	Female	Bachelor's [1]	Master's	Doctorates
1950	499	75.6	330	104	41	17	6.0	.6	87.0	11.7	1.3
1955	354	65.0	184	104	39	19	6.0	.8	81.1	16.4	2.5
1960	479	65.6	256	139	51	24	6.6	1.0	82.4	15.5	2.1
1965	668	61.5	320	219	76	36	14.7	1.8	80.7	16.6	2.5
1970	1,073	59.6	487	346	126	83	25.9	4.0	77.7	19.5	2.8
1974	1,321	58.0	580	429	158	120	27.4	6.5	76.4	21.1	2.6
1975	1,316	56.8	558	430	162	132	26.8	7.3	75.1	22.3	2.6
1976	1,345	56.2	562	436	168	145	26.3	7.6	74.2	23.3	2.5
1977	1,344	55.4	552	441	168	150	25.2	8.1	73.9	23.7	2.5
1978	1,342	54.3	544	454	162	151	23.7	8.5	74.3	23.3	2.4
1979	1,335	53.3	534	466	154	148	23.6	9.2	74.9	22.6	2.5
1980 [2]	1,330	52.6	526	473	151	147	22.9	9.7	75.1	22.4	2.5
1981 [3]	1,336	51.8	523	484	147	149	22.7	10.2	75.4	22.2	2.5
1982 [3]	1,353	51.2	526	499	146	150	22.2	10.5	75.7	21.8	2.4
1983 [3]	1,365	51.1	530	512	145	145	21.9	10.9	76.3	21.2	2.5
1984 [3]	1,366	51.2	534	515	144	141	22.1	11.2	76.7	20.8	2.4
1985 [3]	1,374	50.7	533	522	143	143	21.7	11.2	76.8	20.8	2.3

[1] Includes 1st professional degrees. [2] Data for 50 States and DC.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

Digitized by Google

No. 255. Earned Degrees Conferred, by Field of Study, and Level of Degree: 1971 to 1985

Level and field of study	1971	1975	1979	1980	1981	1982	1983	1984	1985
Bachelor's, total	**839,730**	**922,933**	**921,390**	**929,417**	**935,140**	**952,998**	**969,510**	**974,309**	**979,477**
Agriculture and natural resources	12,672	17,528	23,134	22,802	21,886	21,029	20,909	19,317	18,107
Architecture and environmental design	5,570	8,226	9,273	9,132	9,455	9,728	9,823	9,186	9,325
Area and ethnic studies	2,582	3,544	3,006	2,840	2,887	2,882	2,971	2,879	2,867
Business and management	114,865	133,010	171,764	185,361	199,338	214,001	226,893	230,031	233,351
Communications [1]	10,802	19,248	26,457	28,616	31,282	34,222	38,602	40,165	42,063
Computer and information sciences	2,388	5,033	8,719	11,154	15,121	20,267	24,510	32,172	38,878
Education	176,614	167,015	126,109	118,169	108,309	101,113	97,991	92,382	88,161
Engineering [1]	50,046	46,852	62,375	68,893	75,000	80,005	89,270	94,444	96,105
Foreign languages	19,945	17,606	11,825	11,133	10,319	9,841	9,685	9,479	9,954
Health sciences	25,190	46,184	61,819	63,807	63,348	63,385	64,814	64,338	64,513
Home economics	11,167	16,772	18,300	18,411	18,370	17,872	16,705	16,316	15,555
Law	545	436	678	683	776	846	1,099	1,272	1,157
Letters	64,933	48,534	34,557	33,497	33,208	34,334	32,743	33,739	34,091
Liberal/general studies	5,481	13,032	19,524	20,069	18,596	18,145	18,524	18,815	19,191
Library and archival sciences	1,013	1,069	558	398	375	307	258	255	202
Life sciences	35,743	51,741	48,846	46,870	43,216	41,639	39,982	38,640	38,445
Mathematics	24,801	18,181	11,806	11,378	11,078	11,599	12,453	13,211	15,146
Military sciences	357	340	347	251	305	283	267	195	299
Multi/interdisciplinary studies	8,306	15,185	14,690	14,404	15,895	17,651	17,282	16,734	15,727
Parks and recreation	1,621	4,518	5,981	5,753	5,729	5,335	5,198	4,752	4,593
Philosophy, religion, and theology	11,890	13,806	13,438	13,276	12,617	12,307	12,536	12,349	12,439
Physical sciences	21,412	20,778	23,207	23,410	23,952	24,052	23,405	23,671	23,732
Psychology	37,880	50,988	42,461	41,962	40,833	41,031	40,364	39,872	39,811
Protective services	2,045	9,956	14,903	15,015	13,707	12,438	12,579	12,654	12,510
Public affairs	6,252	14,730	18,882	18,422	18,714	18,739	16,290	14,396	13,838
Social sciences	155,236	135,165	107,922	103,519	100,345	99,545	95,088	93,212	91,461
Visual and performing arts	30,394	40,782	40,969	40,892	40,479	40,422	39,489	39,833	37,936
Master's, total	**230,509**	**292,450**	**301,079**	**298,081**	**295,739**	**295,546**	**289,921**	**[2]284,263**	**286,251**
Agriculture and natural resources	2,457	3,067	3,994	3,976	4,003	4,163	4,254	4,178	3,926
Architecture and environmental design	1,705	2,938	3,113	3,139	3,153	3,327	3,357	3,223	3,275
Area and ethnic studies	1,032	1,166	853	852	804	809	826	888	879
Business and management	26,481	36,247	50,372	55,006	57,898	61,299	65,319	66,653	67,527
Communications [1]	1,856	2,794	2,882	3,082	3,105	3,327	3,604	3,656	3,669
Computer and information sciences	1,589	2,299	3,055	3,647	4,218	4,935	5,321	6,190	7,101
Education	86,952	120,169	111,995	103,951	98,938	93,757	84,853	77,187	78,187
Engineering [1]	16,443	15,348	15,495	16,243	16,709	17,939	19,350	[2]20,661	21,557
Foreign languages	4,755	3,807	2,426	2,236	2,104	2,008	1,759	1,773	1,724
Health sciences	5,445	9,901	14,781	15,068	16,004	15,942	17,068	17,443	17,383
Home economics	1,452	1,901	2,510	2,690	2,570	2,355	2,406	2,422	2,383
Law	955	1,245	1,647	1,817	1,832	1,893	2,091	1,802	1,796
Letters	11,148	10,068	7,289	6,807	6,515	6,421	5,767	5,818	5,934
Liberal/general studies	549	1,630	1,251	1,373	1,065	1,094	889	1,173	1,180
Library and archival sciences	7,001	8,091	5,906	5,374	4,859	4,506	3,979	3,805	3,893
Life sciences	5,728	6,550	6,831	6,510	5,978	5,874	5,696	5,406	5,059
Mathematics	5,191	4,327	3,036	2,860	2,567	2,727	2,837	2,741	2,882
Military sciences	2	–	38	46	43	49	110	127	119
Multi/interdisciplinary studies	1,157	1,938	3,335	3,579	3,434	3,864	2,930	3,148	3,184
Parks and recreation	218	604	755	647	643	526	565	[2]555	544
Philosophy, religion, and theology	4,036	4,630	4,701	5,126	5,449	5,216	5,873	6,259	5,519
Physical sciences	6,367	5,807	5,451	5,219	5,284	5,514	5,290	5,576	5,796
Psychology	4,431	7,066	8,003	7,806	7,998	7,791	8,378	8,002	8,408
Protective services	194	993	1,729	1,805	1,538	1,336	1,300	1,219	1,235
Public affairs	8,215	14,610	18,300	18,413	18,524	18,216	16,245	15,573	16,045
Social sciences	16,476	16,892	12,807	12,101	11,855	11,892	11,112	10,465	10,380
Visual and performing arts	6,675	8,382	8,524	8,708	8,629	8,746	8,742	8,520	8,714
Doctorate's, total	**32,107**	**34,083**	**32,730**	**32,615**	**32,958**	**32,707**	**32,775**	**33,209**	**32,943**
Agriculture and natural resources	1,086	981	950	991	1,067	1,079	1,149	1,172	1,213
Architecture and environmental design	36	69	96	79	93	80	97	84	89
Area and ethnic studies	144	166	135	151	162	102	153	139	137
Business and management	807	1,009	860	792	842	855	809	977	866
Communications [1]	145	185	192	193	182	200	214	219	234
Computer and information sciences	126	213	236	240	252	251	262	251	248
Education	6,403	7,446	7,736	7,941	7,900	7,680	7,551	7,473	7,151
Engineering [1]	3,638	3,106	2,506	2,507	2,561	2,636	2,831	2,981	3,230
Foreign languages	781	857	641	548	586	536	486	462	437
Health sciences	459	609	705	771	827	910	1,155	1,163	1,199
Home economics	123	156	219	192	247	247	255	279	276
Law	20	21	46	40	60	22	72	121	105
Letters	1,857	1,951	1,504	1,500	1,380	1,313	1,176	1,215	1,239
Life sciences	3,645	3,384	3,542	3,636	3,718	3,743	3,341	3,437	3,432
Mathematics	1,199	975	730	724	726	681	698	695	699
Multi/interdisciplinary studies	80	254	445	295	256	358	387	378	285
Philosophy, religion, and theology	866	1,416	1,647	1,693	1,686	1,652	1,612	1,644	1,606
Physical sciences	4,390	3,626	3,102	3,089	3,141	3,286	3,269	3,306	3,403
Psychology	1,782	2,442	2,662	2,768	2,955	2,780	3,108	2,973	2,908
Public affairs	185	271	344	372	388	389	347	421	431
Social sciences	3,659	4,209	3,358	3,219	3,114	3,061	2,931	2,911	2,851
Visual and performing arts	621	649	700	655	654	670	692	728	693
Other	53	97	374	218	157	176	176	160	209

– Represents zero. [1] Includes technologies. [2] Data revised since originally published.

Source: U.S. Department of Education, Center for Education Statistics, *Digest of Education Statistics, annual.*

Digitized by Google

No. 256. Degrees Conferred in Selected Professions: 1960 to 1985

[First professional degrees for medicine, dentistry, and law. As of spring. See Appendix III]

TYPE OF DEGREE AND SEX OF RECIPIENT	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Medicine (M.D.):											
Institutions conferring degrees	79	86	104	109	109	112	116	119	118	119	120
Degrees conferred, total	7,032	8,314	12,447	14,279	14,786	14,902	15,505	15,814	15,484	15,813	16,041
Men	6,645	7,615	10,818	11,210	11,381	11,416	11,672	11,867	11,350	11,359	11,167
Women	387	699	1,629	3,069	3,405	3,486	3,833	3,947	4,134	4,454	4,874
Percent of total	5.5	8.4	13.1	21.5	23.0	23.4	24.7	25.0	26.7	28.2	30.4
Dentistry (D.D.S. or D.M.D.):											
Institutions conferring degrees	45	48	52	57	58	58	58	58	59	60	59
Degrees conferred, total	3,247	3,718	4,773	5,189	5,434	5,258	5,460	5,262	5,585	5,353	5,339
Men	3,221	3,684	4,627	4,623	4,794	4,558	4,672	4,467	4,631	4,302	4,233
Women	26	34	146	566	640	700	788	815	954	1,051	1,106
Percent of total	.8	.9	3.1	10.9	11.8	13.3	14.4	15.4	17.1	19.6	20.7
Law (LL.B. or J.D.):											
Institutions conferring degrees	134	145	154	169	175	179	177	180	177	179	181
Degrees conferred, total	9,240	14,916	29,296	34,402	35,206	35,647	36,331	35,991	36,853	37,012	37,491
Men	9,010	14,115	24,881	25,457	25,180	24,893	24,563	23,985	23,550	23,382	23,070
Women	230	801	4,415	8,945	10,026	10,754	11,768	12,026	13,303	13,630	14,421
Percent of total	2.5	5.4	15.1	26.0	28.5	30.2	32.4	33.4	36.4	36.8	38.5
Engineering: [1]											
Degrees conferred, total	45,624	63,753	65,306	74,492	80,376	87,643	94,270	100,580	111,451	118,066	120,892
Bachelor's	37,679	44,479	46,852	55,654	62,375	68,893	75,000	80,005	89,270	94,444	96,105
Master's	7,159	15,593	15,348	16,398	15,495	16,243	16,709	17,939	19,350	20,661	21,557
Doctorate's	786	3,681	3,106	2,440	2,506	2,507	2,561	2,636	2,831	2,961	3,230
Men	45,453	63,227	63,853	69,861	74,168	80,001	85,105	89,706	98,575	103,629	105,724
Women	171	526	1,455	4,631	6,208	7,642	9,165	10,874	12,876	14,457	15,168
Percent of total	4	.8	2.2	6.2	7.7	8.7	9.7	10.8	11.6	12.2	12.5

[1] Includes engineering technologies.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual.

No. 257. Earned Degrees Below Bachelor's, by Curriculum: 1983 to 1985

[In thousands, except percent. Covers associate degrees and other awards based on post-secondary curriculums of less than 4 years in institutions of higher education]

FIELD OF STUDY	1983	1984	1985	PERCENT FEMALE		
				1983	1984	1985
All degrees	**605,605**	**610,332**	[1] **614,749**	**53.6**	**54.3**	**61.4**
Agriculture and natural resources	11,672	10,841	10,466	30.3	28.9	29.6
Architecture and environmental design	2,012	1,927	1,939	81.9	84.3	82.5
Area and ethnic studies	60	64	69	58.3	60.9	71.0
Business and management	161,885	166,238	170,170	65.8	66.5	68.4
Communications [2]	4,309	4,162	4,580	44.7	43.2	39.7
Computer and information sciences	12,970	16,111	15,896	50.5	49.1	49.3
Education	8,112	8,503	8,551	69.5	72.2	70.9
Engineering [2]	101,707	100,080	100,146	8.4	7.9	7.6
Foreign languages	394	372	427	56.3	57.5	49.6
Health sciences	101,584	107,142	107,248	87.6	87.0	86.7
Home economics	14,360	14,344	14,966	75.4	75.0	74.5
Law	2,267	2,551	2,948	83.0	83.1	84.3
Letters	731	822	681	63.6	64.8	65.9
Liberal/general studies	110,400	109,451	107,814	54.9	54.9	55.5
Library and archival sciences	305	260	253	88.9	86.2	89.7
Life sciences	1,227	1,297	1,205	47.9	52.4	60.8
Mathematics	813	821	813	37.7	36.4	37.8
Military sciences	86	67	34	2.3	4.6	-
Multi/interdisciplinary studies	10,518	8,398	8,697	53.8	54.5	53.8
Parks and recreation	1,144	819	893	52.6	50.9	51.8
Philosophy, religion, and theology	1,610	1,740	1,830	44.5	44.3	47.8
Physical sciences	3,245	2,990	2,296	34.7	34.7	36.3
Psychology	1,051	1,147	1,032	64.6	67.0	66.4
Protective services	15,873	15,554	16,057	23.6	23.8	23.6
Public affairs	6,074	5,812	6,230	49.8	47.2	40.6
Social sciences	3,004	2,755	2,613	52.9	57.1	57.3
Visual and performing arts	28,170	26,244	24,358	30.9	32.7	31.7

- Represents zero. [1] Includes 2,537 degrees not distributed by field of study. [2] Includes technologies.

Source: U.S. Dept. of Education, Center for Education Statistics, *Digest of Education Statistics*, annual; and unpublished data.

Digitized by Google

No. 258. College and University Libraries—Summary: 1985

[For school year ending in year shown. Based on survey of academic libraries and joint library systems in the 50 States and DC. Data from Survey of College and University Libraries. Fall 1985]

Type of control and enrollment size	Volumes held		Titles held		Operating expenses ($1,000)				Staff [1]	
	Total (1,000)	Per FTE [1] student	Total (1,000)	Per FTE [1] student	Total [2]	Wages and salaries [3]	Books	Serial subscriptions [4]	Total	Librarians
All types, public	373,446	36	180,388	17	1,608,809	792,574	194,626	222,348	55,593	13,514
10,000 or more	253,441	43	105,086	18	1,080,621	525,848	132,041	159,228	35,159	8,286
5,000 to 9,999	58,761	25	35,891	15	249,337	126,290	29,786	31,436	9,255	2,301
1,000 to 4,999	56,092	27	35,867	17	251,373	127,185	29,431	27,525	10,124	2,615
500 to 999	4,233	43	2,943	30	21,264	10,138	2,685	3,100	808	237
500 or less	917	32	598	21	6,214	3,113	683	1,059	245	72
All types, private	260,402	94	129,069	46	808,189	369,146	108,993	115,928	33,249	8,405
10,000 or more	79,220	118	29,126	43	289,960	133,004	32,218	39,593	9,173	2,467
5,000 to 9,999	42,633	82	14,889	29	143,618	65,753	18,399	24,503	4,969	1,303
1,000 to 4,999	90,559	76	53,431	45	265,033	118,498	41,957	38,289	13,074	2,997
500 to 999	26,474	97	17,737	65	64,210	29,888	9,045	8,743	3,470	906
500 or less	21,514	175	13,884	113	45,368	22,003	7,374	4,800	2,560	730

[1] Full-time equivalent. [2] Includes expenses not shown separately; excludes capital outlay. [3] Excludes fringe benefits and wages for student assistance. [4] Any publication issued on a recurring basis and held for reference.

Source: U.S. Dept. of Education, Center for Education Statistics, unpublished data.

No. 259. Libraries—Number, by Type: 1980 to 1986

Type	1980	1985	1986		Type	1980	1985	1986	
			Total	Percent				Total	Percent
Total [1]	31,564	32,323	34,923	100.0	Academic	4,591	5,034	4,981	14.3
					Junior college	1,191	1,188	1,285	3.7
United States	28,638	29,843	30,864	88.4	Universities, colleges	1,911	2,022	2,113	6.1
Public	8,717	8,849	8,865	25.4	Departmental	1,489	1,824	1,583	4.5
Public branches	5,936	6,330	6,350	18.2	Law, medicine, religious	269	531	611	1.7
Special	4,645	4,589	5,466	15.7	Armed Forces	485	526	484	1.4
Medical	1,674	1,667	2,058	5.9	Law [2]	417	435	635	1.8
Government	1,260	1,574	1,237	3.5					
Religious	913	839	788	2.3	Outlying areas	113	114	99	.3

[1] Includes public libraries with annual incomes of less than $2,000 or book funds of less than $500, law libraries with less than 10,000 volumes each, Canadian libraries, and libraries in regions administered by the U.S., not shown separately.
[2] Law libraries with less than 10,000 volumes are included if they specialize in a special field.

Source: R.R. Bowker Co., New York, NY, *The Bowker Annual of Library & Book Trade Information* and *American Library Directory*, annual. (Copyright by Reed Publishing.)

No. 260. Patron Use of Computers in Public Library Systems: 1984–1985

[For winter 1984–85. Based on survey and subject to sampling error. See source for details]

Characteristic	Unit	Total	Population served			Region [1]			
			Less than 10,000	10,000 to 99,999	100,000 and over	North Atlantic	Great Lakes and Plains	South-east	West and South-west
Library systems	Number	8,537	5,447	2,697	394	2,709	3,498	1,003	1,328
With computers for use [2]	Percent	18	13	26	42	21	16	17	19
In library	Percent	15	10	23	41	13	16	16	18
Outside library	Percent	4	4	6	3	9	3	1	2
Computers for use	Number	3,300	900	1,600	800	900	1,200	400	800
Inside library	Percent	75	68	73	88	57	80	91	82
Average per library system [3]	Number	2.1	1.3	2.3	4.6	1.6	2.1	2.4	3.0
Average use per week per computer [3] [4]	Hours	23.3	16.9	26.0	25.2	21.9	26.6	12.5	25.5
Users under 18 years [3] [4]	Percent	71	81	66	56	72	71	71	70

[1] For definition of regions, see footnotes, table 227. [2] Libraries systems with computers for use both inside and outside the library are counted only once in the total. [3] For systems with computers for patron use. [4] For computers used in library.

Source: U.S. Dept. of Education, Center for Education Statistics, Bulletin, "Patron Use of Computers in Public Libraries," March 1986.

Digitized by Google

NO. 261. PARTICIPANTS IN ADULT EDUCATION, BY SELECTED CHARACTERISTICS: 1984

[For the year ending in May 1984. Persons 17 years of age and over on the date of the survey. Adult education participants are involved in part-time organized educational activities such as college courses, employee training, continuing education and private instruction. Based on Current Population Survey; see text, section 1, and Appendix III]

CHARACTERISTIC	Number adults in population (1,000)	PARTICIPANTS IN ADULT EDUCATION					
		Total		Full-time students [1]		Not full-time students [1] [2]	
		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
Total	**172,583**	**23,303**	**13.5**	**1,118**	**.6**	**22,184**	**12.9**
Age:							
17–34 years old	71,891	11,704	16.3	946	1.3	10,756	15.0
35–54 years old	52,303	8,864	16.9	152	.3	8,712	16.7
55 years old and over	48,388	2,735	5.7	19	(z)	2,717	5.6
Sex:							
Male	81,700	10,446	12.8	485	.6	9,961	12.2
Female	90,883	12,857	14.1	634	.7	12,224	13.5
Racial/ethnic group:							
White non-Hispanic	139,777	20,429	14.6	939	.7	19,491	13.9
Black, non-Hispanic	18,628	1,506	8.1	88	.5	1,418	7.6
Hispanic	9,706	796	8.2	63	.6	733	7.6
Other	4,472	571	12.8	28	.6	543	12.1
Highest level of education:							
Less than 4 years high school	47,297	1,890	4.0	315	.7	1,574	3.3
4 years of high school	66,224	6,991	10.6	193	.3	6,799	10.3
1 to 3 years of college	30,287	6,022	19.9	394	1.3	5,628	18.6
4 or more years of college	28,775	8,400	29.2	217	.8	8,184	28.4
Labor force status:							
In labor force	112,441	19,788	17.6	740	.7	19,047	16.9
Employed	104,464	18,929	18.1	654	.6	18,275	17.5
Unemployed	7,977	859	10.8	86	1.1	772	9.7
Not in labor force	60,141	3,515	5.8	378	.6	3,137	5.2
Keeping house	31,131	2,178	7.0	22	.1	2,156	6.9
Going to school	8,866	524	7.6	330	4.8	195	2.8
Other	22,144	813	3.7	26	.1	786	3.5
Annual family income:							
Under $5,000	13,016	797	6.1	85	.7	712	5.5
$5,000 to $9,999	21,870	1,454	6.6	113	.5	1,341	6.1
$10,000 to $14,999	22,588	2,117	9.4	93	.4	2,023	9.0
$15,000 to $19,999	19,775	2,508	12.7	114	.6	2,394	12.1
$20,000 to $29,999	32,521	5,128	15.8	222	.7	4,906	15.1
$30,000 to $39,999	24,126	4,424	18.3	186	.8	4,238	17.6
$40,000 to $49,999	12,643	2,626	20.8	103	.8	2,522	19.9
$50,000 to $74,999	11,961	2,543	21.2	123	1.0	2,420	20.2
$75,000 or more	5,112	1,011	19.8	48	.9	963	18.8
Not reported	8,951	695	7.8	32	.4	664	7.4

Z Less than .05 percent. [1] In high school or college degree programs on the date of the survey. [2] Includes part-time undergraduate students and college students who indicated that they were also adult education participants.

NO. 262. COURSES TAKEN BY PARTICIPANTS IN ADULT EDUCATION: 1984

[See headnote, table 261]

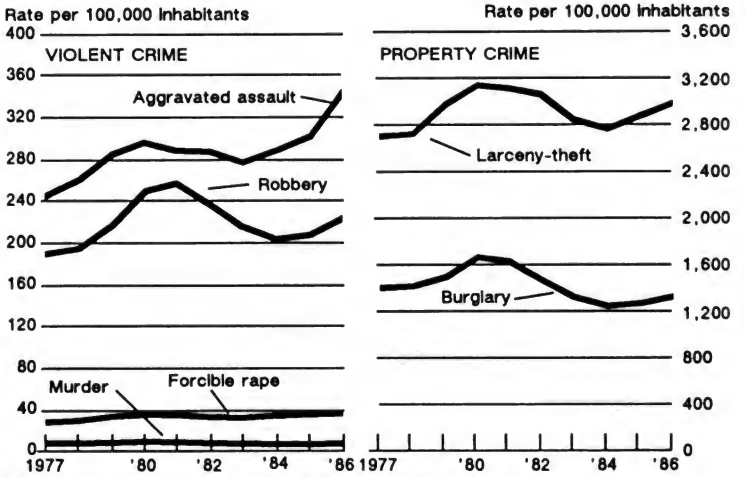
FIELD OF STUDY	TOTAL (1,000)		PERCENT DISTRIBUTION	
	Male	Female	Male	Female
Total courses [1]	**17,770**	**22,981**	**100.0**	**100.0**
Arts: Visual and performing	509	1,640	2.9	7.1
Business	4,329	4,652	24.4	20.2
Education	863	2,011	4.9	8.8
Engineering and engineering technology	4,030	1,869	22.7	8.1
Health care and health sciences	1,648	3,453	9.3	15.0
Health education	346	856	1.9	3.7
Language, linguistics, and literature	826	1,336	4.7	5.8
Life science, physical sciences, and mathematical sciences	609	722	3.4	3.1
Philosophy, religion, and psychology	1,026	1,674	5.8	7.3
Physical education and leisure	684	1,640	3.8	7.1
Social sciences and social studies	1,230	850	6.9	3.7
Total courses [1]	**17,770**	**22,981**	**100.0**	**100.0**
Job-related reasons	12,807	13,552	70.9	59.0
To get new job	1,824	2,979	10.3	13.0
In current occupation	395	588	2.2	2.6
In new occupation	1,428	2,389	8.0	10.4
To advance in job	10,004	9,698	56.3	42.2
Other job-related reasons	780	876	4.4	3.8
Non-job related reasons	5,116	9,330	28.8	40.6
General education	1,448	1,910	8.1	8.3
Personal or social	3,299	6,932	18.6	30.2

[1] Includes courses or reasons not shown separately.

Source of tables 261 and 262: U.S. Dept. of Education, Center for Education Statistics, "Survey of Adult Education, Current Population Survey, May 1984," unpublished data.

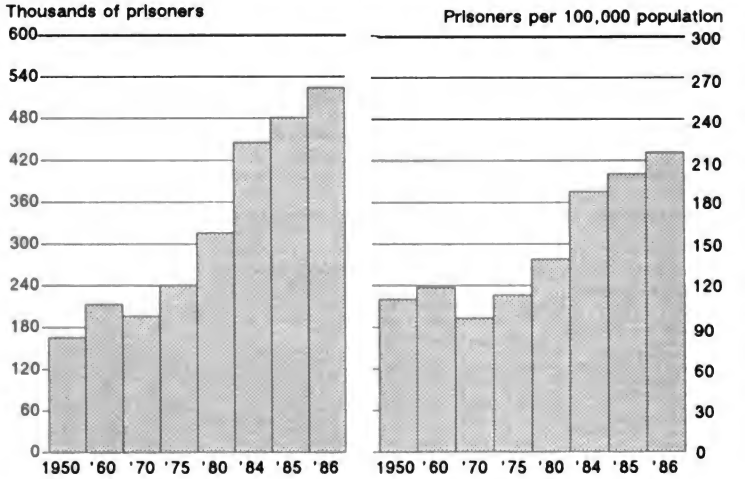
Digitized by Google

Figure 5.1
Selected Crime Rates: 1977 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 263.

Figure 5.2
Federal and State Prisoners: 1950 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 305.

Digitized by Google



Section 5

Law Enforcement, Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and data related to criminal violations, and the criminal justice system. The major sources of these data are the Bureau of Justice Statistics (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics, Criminal Victimization in the United States, Prisoners in State and Federal Institutions, Children in Custody, National Survey of Court Organization, Census of State Correctional Facilities, Census of Jails and Survey of Jail Inmates, Parole in the United States,* and *Capital Punishment.* In addition, the annual *Expenditure and Employment Data for the Criminal Justice System* is issued jointly by BJS and the Bureau of the Census. The Federal Bureau of Investigation's major annual report is *Crime in the United States,* which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics, Federal Offenders,* and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment,* issued annually by the Bureau of the Census; and the *Statistical Report,* issued annually by the Federal Bureau of Prisons.

Legal jurisdiction and law enforcement.—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts: Investigation of crimes and arrests of persons suspected of committing them; prosecution of those charged with crime; and the punishment or treatment of persons convicted of crime.

Crime.—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 97 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter,* is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes willful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. Arson was added as the eighth Index offense in April 1979 following a Congressional mandate. *Arson* includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc.

The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data,

Digitized by Google

the FBI does not vouch for the validity of the reports it receives, but presents the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

National Crime Survey (NCS)—A second perspective on crime is provided by the NCS of the Bureau of Justice Statistics. The NCS includes offenses reported to the police, as well as those not reported (see table below for percent of victimizations reported to the police). Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft.

Murder and kidnaping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example; a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey- measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization,* basic measure of the occurrence of crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further details regarding the NCS, see *Criminal Victimization in the United States,* by the U.S. Bureau of Justice Statistics.

An *incident* is a specific criminal act involving one or more victims; therefore the number of incidents of personal crime is lower than that of victimizations.

NCS estimates appearing in 1980 and earlier reports made use of population controls derived from the 1970 census. Thereafter, population estimates based on the 1980 census were used. Victimization rates, key measures of the occurrence of crime, and all percentages generally were unaffected by the change in the estimation procedure. Thus, the vast majority of data appearing after 1980 are compatible with data in previous NCS reports.

POLICE REPORTING RATES FOR PERSONAL AND HOUSEHOLD CRIMES: 1975 TO 1985

[Percent of victimization reported to the police]

SECTOR AND TYPE OF CRIME	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Personal sector:											
Crimes of violence	47.2	48.8	46.1	44.2	45.1	47.1	46.6	48.2	47.2	46.6	47.9
Rape	56.2	52.7	58.4	48.8	50.5	41.4	55.7	52.8	47.0	56.0	61.0
Robbery	53.3	53.3	55.5	50.5	55.5	56.8	55.8	56.2	52.6	54.8	53.5
Robbery with injury	65.0	62.9	66.1	65.4	62.2	69.6	66.6	67.1	66.3	60.8	63.5
Robbery without injury	47.9	48.6	49.6	43.6	52.0	50.1	50.7	51.2	45.9	51.2	49.3
Assault	45.2	47.5	43.5	42.7	42.4	44.9	43.7	45.9	45.8	44.3	46.4
Crimes of theft	26.3	26.6	24.8	24.6	24.0	26.9	26.7	26.9	26.5	26.3	27.4
Personal larceny with contact	34.5	36.2	37.2	33.7	35.6	35.7	40.4	32.7	35.9	31.5	33.2
Personal larceny without contact	26.0	26.3	24.5	24.3	23.6	26.5	26.2	26.7	26.1	26.1	27.1
Household sector:											
Household burglary	48.6	48.1	48.8	47.1	47.6	51.3	51.1	49.3	48.7	49.4	49.7
Household larceny	27.1	27.1	25.4	24.5	25.1	27.5	26.2	26.8	25.4	26.8	26.8
Motor vehicle theft	71.1	69.5	68.4	66.1	68.2	69.3	66.8	72.4	68.5	68.8	70.6

Digitized by Google

Courts.—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

Juvenile offenders.—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

Prisoners.—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

Naturalizations.—Most aliens acquire U.S. citizenship under the general provisions of the Immigration and Nationality Act of 1952, as amended. As specified by that Act, the requirements a prospective citizen must meet relate to residency, language proficiency, oral character, loyalty to the United States, attachment to the principles of the Constitution, etc. Spouses and children of U.S. citizens can be naturalized under less stringent conditions. In certain cases, an administrative, judicial, legislative, or executive waiver of the requirements may be obtained. Naturalization statistics are also maintained by INS.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Digitized by Google

No. 263. Crimes and Crime Rates, by Type: 1977 to 1986

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of **April 1.** Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (–) indicates decrease. For definitions of crimes, see text, section 5. *See also Historical Statistics, Colonial Times to 1970,* series H 952–961 for related data]

Item and year	Total	Violent crime					Property crime			
		Total	Murder [1]	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
Number of offenses (1,000):										
1977	10,985	1,030	19.1	63.5	413	534	9,955	3,072	5,906	978
1978	11,209	1,086	19.6	67.6	427	571	10,123	3,128	5,991	1,004
1979	12,250	1,208	21.5	76.4	481	629	11,042	3,328	6,601	1,113
1980	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981	13,424	1,362	22.5	82.5	593	664	12,062	3,780	7,194	1,088
1982	12,974	1,322	21.0	78.8	553	669	11,652	3,447	7,143	1,062
1983	12,109	1,258	19.3	78.9	507	653	10,851	3,130	6,713	1,008
1984	11,882	1,273	18.7	84.2	485	685	10,609	2,984	6,592	1,032
1985	12,430	1,328	19.0	87.7	498	723	11,103	3,073	6,926	1,103
1986	13,211	1,488	20.6	90.4	543	834	11,723	3,241	7,257	1,224
Percent change, number of offenses:										
1977–1986	20.3	44.5	7.8	42.4	31.5	56.1	17.8	5.5	22.9	25.2
1982–1986	1.8	12.5	–1.9	14.8	–1.9	24.6	.6	–6.0	1.6	15
1985–1986	6.3	12.1	8.6	3.2	9.0	15.4	5.6	5.5	4.8	11.
Rate per 100,000 inhabitants:										
1977	5,078	476	8.8	29.4	191	247	4,602	1,420	2,730	45
1978	5,140	498	9.0	31.0	196	262	4,643	1,435	2,747	46
1979	5,566	549	9.7	34.7	218	286	5,017	1,512	2,999	5
1980	5,950	597	10.2	36.8	251	299	5,353	1,684	3,167	5
1981	5,858	594	9.8	36.0	259	290	5,264	1,650	3,140	4
1982	5,604	571	9.1	34.0	239	289	5,033	1,489	3,085	4
1983	5,175	538	8.3	33.7	217	279	4,637	1,338	2,869	4
1984	5,031	539	7.9	35.7	205	290	4,492	1,264	2,791	4
1985	5,207	556	7.9	36.7	209	303	4,651	1,287	2,901	
1986	5,480	617	8.6	37.5	225	346	4,863	1,345	3,010	
Percent change, rate per 100,000 inhabitants:										
1977–1986	7.9	29.7	–2.3	27.6	18.0	40.1	5.7	–5.3	10.3	
1982–1986	–2.2	8.1	–5.5	10.3	–5.8	19.7	–3.4	–9.7	–2.4	
1985–1986	5.2	11.0	8.9	2.2	8.0	14.3	4.6	4.5	3.8	

– Represents zero. [1] Includes nonnegligent manslaughter.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States,* annual.

No. 264. Crimes and Crime Rates, by Type and Area: 1985 and 1986

[**In thousands, except rate.** Rate per 100,000 population; see headnote, table 263. Estimated totals based on reports fro and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, se section 5]

Type of crime	1985						1986				
	MSA's [1]		Other cities		Rural areas		MSA's [1]		Other cities		Rural
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total
Total	**10,767**	**5,921**	**1,051**	**4,580**	**612**	**1,803**	**11,482**	**6,236**	**1,097**	**4,793**	**631**
Violent crime	**1,197**	**658**	**73**	**319**	**56**	**168**	**1,348**	**732**	**80**	**350**	**60**
Murder and nonnegligent manslaughter	16	9	1	5	2	6	18	10	1	5	2
Forcible rape	76	42	5	21	6	18	79	43	5	22	6
Robbery	483	266	10	44	5	15	527	286	11	49	5
Aggravated assault	622	342	57	249	44	129	725	394	63	274	47
Property crime	**9,569**	**5,262**	**978**	**4,262**	**555**	**1,635**	**10,134**	**5,504**	**1,017**	**4,443**	**57**
Burglary	2,632	1,447	229	999	212	625	2,781	1,510	239	1,046	22
Larceny—theft	5,915	3,253	704	3,067	307	906	6,213	3,374	731	3,191	31
Motor vehicle theft	1,023	562	45	195	35	104	1,140	619	47	206	3

[1] For definition, see text, Appendix II.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States,* annual.

Digitized by Google

NO. 265. CRIME RATES BY STATE, 1980 TO 1986, AND BY TYPE, 1986

[**Offenses known to the police per 100,000 population.** Based on Bureau of the Census estimated resident population as of July 1, except **April 1, 1980** census counts. For definitions of crimes, see text, section 5. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1980, total	1984, total	1985, total	1986							
				Total	Violent crime				Property crime		
					Murder [1]	Forcible rape	Robbery	Aggravated assault	Burglary	Larceny—theft	Motor vehicle theft
U.S	**5,950**	**5,031**	**5,207**	**5,480**	**8.6**	**37.5**	**225**	**346**	**1,345**	**3,010**	**508**
Region:											
Northeast	5,767	4,562	4,627	4,732	6.8	28.3	298	296	1,043	2,473	587
Midwest	5,529	4,675	4,658	4,832	6.6	[2] 35.4	179	290	1,082	2,792	448
South	5,573	4,899	5,256	5,709	10.8	40.6	199	371	1,523	3,107	458
West	7,388	6,210	6,405	6,644	9.2	44.3	251	423	1,671	3,662	584
N.E	**5,713**	**4,376**	**4,487**	**4,503**	**3.5**	**25.2**	**151**	**239**	**1,064**	**2,398**	**622**
ME	4,368	3,527	3,672	3,461	2.0	14.8	28	102	803	2,347	164
NH	4,686	3,136	3,252	3,330	2.2	21.5	24	92	755	2,208	228
VT	4,966	3,968	3,866	3,977	2.0	21.8	22	103	949	2,697	181
MA	6,079	4,588	4,758	4,723	3.6	29.7	193	331	1,071	2,189	906
RI	5,933	4,774	4,723	4,902	3.5	21.4	119	192	1,294	2,568	705
CT	5,882	4,629	4,705	4,829	4.6	23.8	192	205	1,196	2,758	447
M.A	**5,786**	**4,825**	**4,675**	**4,810**	**8.0**	**29.3**	**348**	**316**	**1,035**	**2,498**	**575**
NY	6,912	5,577	5,589	5,768	10.7	30.5	514	431	1,221	2,924	637
NJ	6,401	4,856	5,094	5,241	5.2	33.2	269	265	1,071	2,822	776
PA	3,736	3,060	3,037	3,102	5.5	25.1	152	178	735	1,654	354
E.N.C	**5,800**	**5,000**	**4,916**	**5,058**	**7.5**	**[2] 39.4**	**213**	**316**	**1,118**	**2,845**	**518**
OH	5,431	4,273	4,187	4,359	5.5	36.6	142	235	988	2,574	376
IN	4,930	3,929	3,914	3,855	6.0	25.9	90	186	887	2,333	328
IL	6,269	5,304	5,303	5,546	8.9	[2] 32.4	325	434	1,160	2,938	628
MI	6,676	6,556	6,366	6,491	11.3	67.4	301	424	1,509	3,378	800
WI	4,799	4,172	4,017	4,097	3.1	20.1	73	162	783	2,802	254
W.N.C	**4,874**	**3,904**	**4,046**	**4,296**	**4.6**	**26.1**	**97**	**228**	**995**	**2,665**	**281**
MN	4,799	3,842	4,134	4,362	2.5	31.8	102	148	1,004	2,785	288
IA	4,747	3,800	3,943	4,151	1.8	12.5	42	179	956	2,801	158
MO	5,433	4,297	4,366	4,654	9.2	29.2	170	370	1,136	2,500	439
ND	2,964	2,583	2,679	2,605	1.0	11.8	7	32	385	2,049	120
SD	3,243	2,613	2,641	2,718	4.0	17.7	16	87	554	1,939	99
NE	4,305	3,497	3,695	3,856	3.1	24.6	51	184	748	2,677	168
KS	5,379	4,339	4,375	4,823	4.4	32.9	80	252	1,188	3,008	258
S.A	**6,081**	**5,033**	**5,375**	**5,724**	**9.8**	**40.1**	**222**	**412**	**1,473**	**3,159**	**407**
DE	6,777	5,007	4,961	4,832	4.9	56.9	124	241	1,042	3,090	272
MD	6,630	5,215	5,373	5,602	9.0	43.8	304	476	1,246	2,978	545
DC [3]	10,236	8,799	8,007	8,339	31.0	52.4	754	668	1,728	4,131	975
VA	4,620	3,784	3,779	3,860	7.1	26.5	106	167	813	2,522	219
WV	2,552	2,336	2,253	2,317	5.9	18.9	41	99	625	1,358	169
NC	4,640	4,044	4,121	4,332	8.1	26.4	88	354	1,225	2,423	208
SC	5,439	4,663	4,841	5,137	8.8	41.3	99	525	1,340	2,846	277
GA	5,604	4,498	5,110	5,455	11.2	43.9	214	319	1,453	2,984	430
FL	8,402	6,821	7,574	8,228	11.7	52.7	367	605	2,221	4,373	598
E.S.C	**4,161**	**3,519**	**3,651**	**3,910**	**9.6**	**32.5**	**127**	**280**	**1,115**	**2,030**	**316**
KY	3,434	2,959	2,947	3,092	6.7	23.1	83	222	824	1,740	193
TN	4,498	3,892	4,167	4,534	10.4	47.0	208	274	1,325	2,126	544
AL	4,934	3,902	3,942	4,298	10.1	26.4	112	408	1,159	2,304	267
MS	3,417	3,060	3,266	3,345	11.2	25.8	65	172	1,076	1,845	150
W.S.C	**5,657**	**5,489**	**5,991**	**6,706**	**12.3**	**45.8**	**207**	**360**	**1,828**	**3,639**	**615**
AR	3,611	3,368	3,585	3,925	8.1	28.9	80	278	1,030	2,305	195
LA	5,454	5,111	5,564	6,078	12.8	40.1	224	482	1,461	3,417	442
OK	5,053	4,893	5,425	6,014	8.1	36.4	107	285	1,787	3,142	649
TX	6,143	6,030	6,569	7,408	13.5	51.6	240	354	2,049	3,987	714
Mt	**6,831**	**5,779**	**6,183**	**6,323**	**7.4**	**38.4**	**127**	**335**	**1,540**	**3,911**	**366**
MT	5,024	4,653	4,549	4,479	2.9	17.3	20	118	793	3,314	215
ID	4,782	3,672	3,906	4,207	3.2	20.0	21	178	1,003	2,800	181
WY	4,986	3,683	4,015	4,357	5.3	21.9	22	243	817	3,078	169
CO	7,333	6,471	6,919	7,032	7.0	42.3	145	329	1,792	4,231	486
NM	5,979	6,243	6,486	6,626	11.5	46.9	130	538	1,845	3,712	343
AZ	6,171	6,499	7,116	7,321	9.3	43.0	169	437	1,908	4,337	419
UT	5,881	4,766	5,317	5,478	3.2	25.3	59	180	915	4,074	223
NV	8,854	6,561	6,575	6,290	12.8	64.9	287	354	1,604	3,489	478
Pac	**7,588**	**6,369**	**6,486**	**6,761**	**9.9**	**46.4**	**296**	**455**	**1,719**	**3,572**	**664**
WA	6,915	6,102	6,529	6,880	5.0	53.4	135	244	1,861	4,267	315
OR	6,687	6,244	6,730	7,081	8.6	51.1	206	286	1,967	4,163	402
CA	7,833	6,468	6,518	6,763	11.3	44.9	343	521	1,696	3,384	782
AK	6,210	6,115	5,877	6,246	8.8	72.7	88	401	1,162	3,910	604
HI	7,482	5,484	5,201	5,671	4.8	31.0	106	103	1,339	3,759	328

[1] Includes nonnegligent manslaughter. [2] Forcible rape figures furnished by the state-level Uniform Crime Reporting (UCR) Program administered by the Illinois Department of State Police were not in accordance with national UCR guidelines. The 1986 forcible rape totals for most agencies in Illinois were, therefore, estimated using the national rate of forcible rapes when grouped by like agencies. [3] Includes offenses reported by the police at the National Zoo.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

Digitized by Google

No. 266. Crime Rates, by Type—Selected Cities: 1986

[Offenses known to the police per 100,000 population, as of July 1. For definitions of crimes, see text, section 5]

City	Crime index, total	Violent crime					Property crime			
		Total	Murder	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny—theft	Motor vehicle theft
Total, 12,297 agencies	**6,031**	**687**	**9.0**	**40**	**242**	**362**	**5,065**	**1,402**	**3,128**	**535**
Total, 8,296 cities	**7,363**	**864**	**10.5**	**46**	**326**	**431**	**6,102**	**1,603**	**3,825**	**674**
Selected cities:										
Baltimore, MD	8,458	1,944	30.8	84	1,020	809	6,515	1,828	3,810	877
Chicago, IL	(1)	(1)	24.6	(1)	1,030	1,118	7,543	1,874	4,054	1,615
Dallas, TX	15,143	1,896	34.1	123	914	825	13,247	3,709	7,942	1,595
Detroit, MI	12,801	2,487	59.1	123	1,497	807	10,314	3,553	3,852	2,909
Houston, TX	9,448	1,156	22.9	86	614	434	6,292	2,502	3,869	1,921
Indianapolis, IN	6,317	915	13.4	93	334	475	5,402	1,752	2,936	713
Los Angeles, CA	9,550	2,036	25.8	71	918	1,021	7,515	1,969	3,819	1,727
Memphis, TN	9,823	1,587	24.4	139	881	542	8,236	2,776	3,498	1,962
New York, NY	8,847	1,995	22.0	49	1,126	798	6,852	1,732	3,924	1,196
Philadelphia, PA	5,233	1,046	20.8	66	586	373	4,187	1,185	2,226	796
Phoenix, AZ	9,641	996	13.2	61	321	602	8,644	2,760	5,274	610
San Antonio, TX	11,396	709	18.4	92	371	228	10,687	3,320	6,442	925
San Diego, CA	7,865	843	10.1	39	394	400	7,042	1,734	4,000	1,308
San Francisco, CA	7,546	1,267	15.2	66	678	508	6,280	1,342	4,027	910
Washington, DC	8,332	1,505	31.0	52	754	668	6,827	1,727	4,124	975

[1] The rates for 1986 for forcible rape, violent crime and crime index total are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

No. 267. Murder Circumstances/Motives and Weapons Used or Cause of Death: 1980 to 1986

[Based solely on police investigation. For definition of murder, see text, section 5]

Circumstance	1980	1983	1984	1985	1986
Murders, total	**21,860**	**18,673**	**16,689**	**17,545**	**19,527**
PERCENT DISTRIBUTION					
Felonies, total	17.7	18.0	18.0	17.9	19.4
Robbery	10.8	10.8	9.3	9.2	9.5
Narcotics	1.7	2.0	2.7	2.9	3.9
Sex offenses	1.5	1.6	1.6	1.5	1.5
Other felonies	3.7	3.9	4.5	4.3	4.4
Suspected felonies	6.7	3.2	2.8	2.0	2.0
Argument, total	39.9	39.5	39.5	39.3	37.5
Property or money	2.6	2.6	2.7	2.7	2.4
Romantic triangle	2.3	2.6	2.4	2.3	2.1
Other arguments	35.0	34.1	34.4	34.3	32.9
Other motives	20.6	18.4	17.8	18.1	16.8
Unknown	15.1	20.9	22.1	22.8	22.5

Type of weapon or cause of death	1980	1983	1984	1985	1986
Murders, total	**21,860**	**18,673**	**16,689**	**17,545**	**19,52**
PERCENT DISTRIBUTION					
Guns	62.4	58.3	58.8	58.7	59
Handguns	46.0	44.0	44.0	43.0	43
Cutting or stabbing	19.3	21.8	21.2	21.1	20
Blunt objects [1]	5.0	5.7	5.8	5.5	5
Personal weapons [2]	5.8	6.9	6.5	6.7	6
Strangulations, asphyxiations	2.3	2.7	2.6	2.4	2
Fire	1.3	1.2	1.2	1.4	1
All other [3]	3.9	3.5	3.9	4.2	4

[1] Refers to club, hammer, etc. [2] Hands, fists, feet, etc. [3] Includes poison, drowning, explosives, narcotics, and unknow

Source of tables 266 and 267: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 268. Homicide Victims, by Race and Sex: 1960 to 1985

[**Rates per 100,000 resident population in specified group.** Beginning 1970, excludes deaths to nonresidents of U.S. Beginn 1979, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classi according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 9 978]

Year	Homicide victims					Homicide rate [2]				
	Total [1]	White		Black		Total [1]	White		Black	
		Male	Female	Male	Female		Male	Female	Male	Fem
1960	8,464	2,832	1,154	3,345	1,013	4.7	3.6	1.4	36.7	
1970	16,848	5,865	1,938	7,265	1,569	8.3	6.8	2.1	67.6	
1975	21,310	8,222	2,751	8,092	1,929	9.9	9.0	2.9	69.0	
1980	24,276	10,381	3,177	8,385	1,898	10.7	10.9	3.2	66.6	
1981	23,646	9,941	3,125	8,312	1,825	10.3	10.4	3.1	64.8	
1982	22,358	9,260	3,179	7,730	1,743	9.8	9.8	3.1	59.1	
1983	20,191	8,355	2,880	6,822	1,672	8.8	8.8	2.8	51.4	
1984	19,796	8,171	2,956	6,563	1,677	8.4	8.3	2.9	48.7	
1985	19,893	8,122	3,041	6,616	1,666	8.3	8.2	2.9	48.4	

[1] Includes races not shown separately. [2] Rate based on enumerated population figures as of April 1 for 1960, 1970 1980; July 1 estimates for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

NO. 269. FORCIBLE RAPE—NUMBER AND RATE, BY SELECTED CHARACTERISTIC: 1970 TO 1986

[For definition of rape, see text, section 5]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
NUMBER													
Total	37,990	56,090	57,080	63,500	67,610	76,390	82,990	82,500	78,770	78,920	84,230	87,670	90,430
By force	26,888	41,501	42,085	47,024	50,590	57,958	63,599	63,038	59,967	61,019	66,367	70,136	72,626
Attempt	11,102	14,589	14,995	16,476	17,020	18,432	19,391	19,462	18,803	17,901	17,863	17,534	17,804
RATE													
Per 100,000 population	16.7	26.3	26.6	29.4	31.0	34.7	36.8	36.0	34.0	33.7	35.7	36.7	37.5
Per 100,000 females	30.4	51.3	51.6	57.1	60.3	67.5	71.6	70.0	66.2	65.6	69.4	71.3	73.1
Per 100,000 females 12 years old and over	46.3	62.9	63.1	69.3	72.9	81.4	86.3	84.1	79.3	78.5	83.0	82.7	85.0
PERCENT CHANGE IN RATE													
Per 100,000 population	(NA)	40.6	1.0	10.4	5.6	11.9	6.1	−2.2	−5.5	−.9	5.7	2.5	2.5
Per 100,000 females 12 years old and over	(NA)	35.9	.3	9.8	5.2	11.6	6.0	−2.5	−5.7	−1.0	5.7	−.4	2.7

NA Not available.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

NO. 270. ROBBERY AND PROPERTY CRIMES, BY TYPE AND SELECTED CHARACTERISTIC: 1980 TO 1986

[For definition of crime, see text, section 5]

ITEM	NUMBER OF OFFENSES (1,000)				RATE PER 100,000 INHABITANTS				AVERAGE VALUE LOST (dol.)	
	1980	1984	1985	1986	1980	1984	1985	1986	1985	1986
Robbery, total [1]	566	485	498	543	251.1	205.4	208.5	225.1	628	596
Type of crime:										
Street or highway	293	264	273	302	130.1	111.9	114.4	125.2	435	465
Commercial house	78	56	60	67	34.6	23.6	25.3	27.8	1,102	912
Gas station	23	16	17	17	10.4	6.8	7.0	6.9	347	303
Convenience store	38	26	29	29	17.0	11.2	12.0	11.9	446	337
Residence	60	53	51	57	26.8	22.6	21.5	23.5	854	898
Bank	8	7	7	7	3.8	2.9	2.8	2.8	3,048	2,664
Weapon used:										
Firearm	228	173	176	186	101.3	73.4	73.6	77.2	(NA)	(NA)
Knife or cutting instrument	73	65	66	73	32.3	27.5	27.7	30.4	(NA)	(NA)
Other dangerous weapon	51	46	46	53	22.8	19.3	19.2	21.8	(NA)	(NA)
Strongarm	214	201	210	231	94.8	85.2	88.0	95.8	(NA)	(NA)
Burglary, total	3,795	2,984	3,073	3,241	1,684.1	1,263.7	1,287.3	1,344.5	953	960
Forcible entry	2,789	2,092	2,148	2,274	1,237.5	885.9	899.6	943.4	(NA)	(NA)
Unlawful entry	711	637	668	700	315.6	269.7	280.0	290.3	(NA)	(NA)
Attempted forcible entry	295	255	257	267	131.0	108.1	107.8	110.8	(NA)	(NA)
Residence	2,525	1,969	2,046	2,185	1,120.6	842.4	857.0	906.4	974	991
Nonresidence	1,270	995	1,027	1,056	563.5	421.3	430.3	438.2	913	894
Occurred during the night	1,508	1,177	1,177	1,242	669.0	498.4	493.1	515.3	(NA)	(NA)
Occurred during the day	1,263	965	1,025	1,110	560.3	408.8	429.2	460.6	(NA)	(NA)
Larceny-theft, total	7,137	6,592	6,926	7,257	3,167.0	2,791.3	2,901.2	3,010.3	393	400
Pocket picking	85	76	79	84	37.9	32.1	32.9	34.8	257	248
Purse snatching	107	81	83	95	47.5	34.4	35.0	39.6	206	208
Shoplifting	773	885	968	1,072	343.0	374.7	405.3	444.8	85	86
From motor vehicles	1,231	1,237	1,369	1,500	546.4	523.7	573.3	622.0	428	428
Motor vehicle accessories	1,366	1,186	1,158	1,207	606.2	502.0	485.2	500.5	283	282
Bicycles	715	541	566	521	317.5	229.1	237.3	216.2	159	167
From buildings	1,187	1,049	1,078	1,100	526.9	444.2	451.6	456.5	615	646
From coin-operated machines	58	57	60	65	25.8	24.0	24.9	27.0	130	129
Other	1,613	1,481	1,565	1,612	715.7	627.0	655.7	668.8	592	606
Motor vehicles, total [2]	1,132	1,032	1,103	1,224	502.2	437.1	462.0	507.8	4,619	4,888
Automobiles	845	783	832	946	374.8	331.5	348.5	392.6	(NA)	(NA)
Trucks and buses	149	146	156	166	66.1	61.8	65.4	69.0	(NA)	(NA)

NA Not available. [1] Includes other crimes not shown separately. [2] Includes other types of motor vehicles not shown separately.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

Digitized by Google

NO. 271. NUMBER AND RATE OF VICTIMIZATIONS FOR CRIMES AGAINST PERSONS AND HOUSEHOLDS, BY TYPE: 1973 TO 1985

[Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR OR PERIOD	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes						Larceny/theft	Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape	Robbery	Assault							
					Total	Aggravated	Simple					
NUMBER (1,000)												
1973	20,322	5,351	156	1,108	4,087	1,655	2,432	14,971	15,340	6,459	7,537	1,344
1974	21,399	5,510	163	1,199	4,148	1,735	2,413	15,889	17,012	6,721	8,933	1,358
1975	21,867	5,573	154	1,147	4,272	1,831	2,441	16,294	17,400	6,744	9,223	1,433
1976	22,116	5,599	145	1,111	4,344	1,695	2,648	16,519	17,199	6,663	9,301	1,235
1977	22,835	5,902	154	1,083	4,664	1,738	2,926	16,933	17,480	6,765	9,418	1,297
1978	22,991	5,941	171	1,038	4,732	1,708	3,024	17,050	17,421	6,704	9,352	1,365
1979	22,541	6,159	192	1,116	4,851	1,769	3,082	16,382	16,708	6,685	10,630	1,393
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	16,821	6,973	10,468	1,38
1981	22,445	6,582	178	1,381	5,024	1,796	3,228	15,863	19,009	7,394	10,176	1,43
1982	22,012	6,459	153	1,334	4,973	1,754	3,219	15,553	17,744	6,663	9,705	1,37
1983	20,561	5,903	154	1,149	4,600	1,517	3,083	14,657	16,440	6,063	9,114	1,26
1984	19,743	5,954	180	1,117	4,657	1,673	2,984	13,789	15,733	5,643	8,750	1,34
1985	19,296	5,823	138	985	4,699	1,605	3,094	13,474	15,568	5,594	8,703	1,27
RATE [1]												
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	91.1	217.8	91.7	107.0	19
1974	128.1	33.0	1.0	7.2	24.8	10.4	14.4	95.1	235.7	93.1	123.8	18
1975	128.9	32.8	.9	6.8	25.2	9.6	15.6	96.0	236.5	91.7	125.4	19
1976	128.7	32.6	.8	6.5	25.3	9.9	15.4	96.1	229.4	88.9	124.1	16
1977	131.2	33.9	.9	6.2	26.8	10.0	16.8	97.3	226.6	88.5	123.3	17
1978	130.5	33.7	1.0	5.9	26.9	9.7	17.2	96.8	223.4	86.0	119.9	17
1979	126.4	34.5	1.1	6.3	27.2	9.9	17.3	91.9	235.3	84.1	133.7	17
1980	116.3	33.3	.9	6.6	25.6	9.3	16.5	83.0	227.4	84.3	126.5	16
1981	120.4	35.3	1.0	7.4	27.0	9.6	17.3	85.1	226.0	87.9	121.0	17
1982	116.8	34.3	.8	7.1	26.4	9.3	17.1	82.5	208.2	78.2	113.9	16
1983	107.9	31.0	.8	6.0	24.1	8.0	16.2	76.9	189.6	70.0	105.2	14
1984	102.6	31.0	.9	5.8	24.3	8.7	15.5	71.6	178.7	64.1	99.4	15
1985	99.4	30.0	.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7	97.5	14

[1] Rate per 1,000 persons, 12 years old and over; and per 1,000 households.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

NO. 272. CRIMES AGAINST THE ELDERLY—NUMBER AND RATE OF VICTIMIZATIONS, BY TYPE: 1973 TO 1985

[Covers persons 65 years old and over. Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR								HOUSEHOLD SECTOR			M
	Total	Violent crimes				Crimes of theft			Total	Burglary	Larceny	
		Total	Rape [1]	Robbery	Assault	Total [2]	Purse snatching	Pocket picking				
NUMBER (1,000)												
1973	625.6	173.0	2.4	101.3	69.3	452.6	29.6	37.1	1,467.2	748.8	644.8	
1974	646.3	188.3	4.1	81.3	102.9	458.0	29.9	41.5	1,653.4	761.2	812.0	
1975	693.2	166.6	1.2	92.3	73.3	526.4	38.8	31.3	1,707.5	774.1	844.8	
1976	737.5	166.9	1.0	75.1	90.8	570.6	26.3	45.1	1,713.3	742.4	880.5	
1977	698.7	168.3	2.7	75.6	89.8	530.4	24.1	30.4	1,683.4	754.2	871.0	
1978	709.3	180.6	2.4	69.5	108.6	528.7	29.4	37.2	1,616.8	703.9	833.9	
1979	648.1	138.9	.9	58.0	79.9	509.2	38.5	44.6	1,716.2	716.7	917.6	
1980	768.6	165.9	2.6	82.5	80.7	602.7	33.4	56.2	1,826.5	802.1	960.1	
1981	752.6	195.1	2.7	99.3	93.1	557.5	21.1	51.6	2,109.6	921.1	1,077.2	
1982	738.7	146.3	1.5	68.0	76.8	592.4	34.0	45.6	1,744.3	709.4	946.4	
1983	741.6	144.3	1.4	63.9	78.9	597.3	32.6	53.8	1,695.1	754.2	860.2	
1984	660.1	128.7	1.4	57.5	69.8	531.4	21.9	42.9	1,622.1	669.5	851.6	
1985	627.6	122.7	1.5	42.6	78.4	504.9	14.1	57.6	1,455.7	609.5	758.4	
RATE [3]												
1973	30.7	8.5	.1	5.0	3.4	22.2	1.5	1.8	107.9	55.1	47.4	
1974	30.9	9.0	.2	3.9	4.9	21.9	1.4	2.0	117.9	54.3	57.9	
1975	32.3	7.8	.1	4.3	3.4	24.5	1.8	1.5	116.7	53.8	58.7	
1976	33.6	7.6	.1	3.4	4.1	26.0	1.2	2.1	115.6	50.2	59.5	
1977	31.1	7.5	.1	3.4	4.0	23.6	1.1	1.4	110.9	49.7	57.4	
1978	30.9	7.9	.1	3.0	4.7	23.0	1.3	1.6	104.0	45.2	53.6	
1979	27.5	5.9	(Z)	2.5	3.4	21.6	1.6	1.9	107.5	45.0	57.5	
1980	31.4	6.8	.1	3.4	3.3	24.6	1.4	2.3	109.8	48.2	57.7	
1981	30.1	7.6	.1	4.0	3.7	22.3	.8	2.1	124.2	54.2	63.4	
1982	28.9	5.7	.1	2.7	3.0	23.2	1.3	1.8	100.5	40.9	54.5	
1983	26.4	5.5	.1	2.5	3.0	22.9	1.3	2.1	94.6	42.2	48.1	
1984	24.9	4.9	.1	2.2	2.6	20.0	.8	1.6	88.4	36.5	46.4	
1985	23.1	4.5	.1	1.6	2.9	18.6	.5	2.1	78.1	32.7	40.7	

Z Less than .05. [1] Yearly estimates are based on fewer than 10 sample cases. [2] Includes personal thefts contact not shown separately. [3] Rate per 1,000 persons 65 years old and over; and per 1,000 households headed by 65 years old and over.

Source: U.S. Bureau of Justice Statistics, *Crime and the Elderly*, December 1981 and unpublished data.

Digitized by Google

No. 273. Victimization Rates for Crimes Against Persons: 1973 to 1985

[**Rates per 1,000 persons, 12 years old and over.** Includes attempted crimes. Data based on National Crime Survey; see text, section 5, and Appendix III. Totals exclude personal larceny]

Year and crime	Total [1]	White	Black	Hispanic [2]	Male			Female			Victim-offender relationship	
					White	Black	Hispanic [2]	White	Black	Hispanic [2]	Stranger	Non-stranger
1973	33	32	42	36	43	53	53	21	32	22	22	11
1974	33	32	41	34	44	54	49	21	29	20	22	11
1975	33	32	43	40	42	53	50	21	34	30	21	11
1976	33	31	44	35	42	55	55	21	36	23	21	12
1977	34	33	42	40	45	57	50	22	29	32	21	13
1978	34	33	41	37	45	54	54	22	30	23	21	12
1979	35	34	42	41	44	53	55	24	32	29	22	12
1980	33	32	41	40	43	53	54	22	31	27	21	12
1981	35	33	50	39	44	61	53	23	40	26	23	12
1982	34	33	44	40	42	57	49	25	33	32	22	12
1983	31	30	41	38	39	50	48	21	33	29	18	13
1984	31	30	41	35	38	51	45	22	33	26	17	14
1985	30	29	38	30	38	47	33	21	31	27	18	12

[1] Includes races not shown separately. [2] Hispanic persons may be of any race.

Source: Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 274. Victimization Rates for Crimes Against Households: 1973 to 1985

[**Rates per 1,000 households.** Includes attempted offenses. Data based on National Crime Survey; see text, section 5, and Appendix III]

Year and household characteristic	Total	Burglary			Larceny			Motor vehicle theft		
		Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
1973	218	92	87	133	107	108	104	19	18	24
1974	236	93	88	135	124	125	112	19	18	26
1975	237	92	87	129	125	127	115	19	19	27
1976	229	89	84	131	124	126	112	17	16	21
1977	229	89	84	122	123	124	116	17	16	21
1978	223	86	83	115	120	120	121	18	17	21
1979	235	84	80	114	134	133	133	18	17	22
1980	227	84	81	115	127	125	134	17	16	25
1981	226	88	83	134	121	119	142	17	16	24
1982	208	78	73	117	114	111	132	16	15	25
1983	190	70	67	98	105	103	119	15	13	25
1984	179	64	61	92	99	97	115	15	14	26
1985: All households	**174**	**63**	**60**	**83**	**97**	**95**	**120**	**14**	**13**	**22**
Homeowner	145	50	48	71	83	80	115	11	10	25
Renter	226	84	84	93	123	124	124	19	19	20
Households with income of—										
Under $7,500	195	86	83	100	98	98	102	11	11	10
$7,500–$9,999	177	60	63	46	101	98	125	15	17	(B)
$10,000–$14,999	182	67	66	78	101	97	135	14	12	29
$15,000–$24,999	176	59	57	80	104	100	136	14	11	35
$25,000–$29,999	162	54	51	96	95	92	149	13	10	48
$30,000–$49,999	173	58	58	90	99	95	154	18	15	32
$50,000 and over	180	56	55	94	104	102	156	21	20	(B)

B Estimated number of victimizations too small to be statistically reliable. [1] Includes other races not shown separately.

Source: Through 1975, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 275. Households Touched by Crime, 1981 and 1986, and by Type of Household, 1986

[A household is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a household member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data based on the National Crime Survey; see text, section 5 and Apendix III]

Type of crime	1981		1986						
	Number (1,000)	Percent touched	Number (1,000)	Percent touched					
				Total [1]	White	Black	Urban	Suburban	Rural
Total [2]	**24,863**	**30.0**	**22,201**	**24.7**	**24.4**	**27.4**	**28.5**	**24.2**	**20.0**
Violent crime	4,850	5.9	4,225	4.7	4.4	5.4	5.5	4.5	3.9
Rape	165	.2	121	.1	.1	.3	.2	.1	.1
Robbery	1,117	1.3	843	.9	.9	1.5	1.4	.8	.5
Assault	3,890	4.7	3,464	3.8	3.9	4.0	4.2	3.7	3.5
Theft	17,705	21.4	15,582	17.3	17.4	16.6	19.6	17.4	13.9
Personal	11,509	13.9	10,098	11.2	11.4	10.0	12.3	11.7	8.7
Household	8,459	10.2	7,238	8.0	7.9	9.1	9.9	7.4	6.6
Burglary	6,101	7.4	4,778	5.3	5.0	7.6	6.2	4.8	4.9
Motor vehicle theft	1,285	1.6	1,216	1.4	1.2	2.2	1.9	1.3	.6

[1] Includes other races not shown separately. [2] Types of crime will not add to "total" since each household may report as many crime categories as experienced.

Source: U.S. Bureau of Justice Statistics, *Households Touched by Crime*, annual.

Digitized by Google

No. 276. Reported Child Neglect and Abuse Cases, by Division: 1978 to 1985

[Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by The American Association for Protecting Children, a division of The American Humane Association, and funded through the National Center on Child Abuse and Neglect, OHDS, DHHS. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. For composition of divisions, see fig. I, inside front cover. Minus sign (−) indicates decline]

YEAR	U.S., total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of reports (1,000):										
1978	606.8	33.4	76.3	69.1	68.8	96.3	59.5	52.9	38.6	111.7
1979	707.4	41.3	85.5	104.8	66.6	126.2	61.5	61.7	31.9	127.8
1980	785.1	48.3	91.8	105.3	77.7	154.5	58.2	69.7	37.7	141.8
1981	846.2	39.0	101.9	110.5	85.7	174.8	66.1	88.4	37.3	142.5
1982	924.1	49.9	105.5	126.0	96.8	182.1	75.4	95.8	41.5	151.0
1983	1,001.4	58.5	101.0	141.6	93.8	226.5	62.3	103.6	49.5	163.3
1984	1,155.6	55.2	145.6	182.7	107.9	205.4	93.0	116.0	60.0	189.8
1985	1,299.4	59.9	152.2	208.7	107.7	225.0	121.6	128.3	77.6	218.4
Reports per 1,000 population: [1]										
1978	2.7	2.7	2.1	1.7	4.0	2.7	4.1	2.3	3.6	3.7
1979	3.2	3.3	2.3	2.5	3.9	3.5	4.2	2.7	2.9	4.1
1980	3.5	3.9	2.5	2.5	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.8	2.7	5.0	4.6	4.5	3.6	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.6	4.8	5.1	3.8	3.6	4.6
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.0	4.9
1984	4.9	4.4	3.9	4.4	6.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.1	4.8	6.1	6.2

[1] Based on Bureau of the Census estimated resident population as of July 1.

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual, and unpublished data.

No. 277. Child Maltreatment Cases Reported—Summary: 1976 to 1985

[**In percent, except as indicated.** Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most states provide only duplicated counts]

ITEM	1976	1977	1978	1979	1980	1981	1982	1983	1984	198
Number of children reported (1,000)	669	836	836	988	1,154	1,225	1,262	1,477	1,727	1,92
Rate per 10,000 children	101	128	129	154	181	194	201	236	273	30
Type of maltreatment:										
Deprivation of necessities	70.7	64.0	62.9	63.1	60.7	59.4	62.5	58.4	54.6	55
Minor physical injury	18.9	20.8	21.2	15.4	19.8	20.4	16.8	18.5	17.7	15
Sexual maltreatment	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	11
Emotional maltreatment	21.8	25.4	23.8	14.9	13.5	11.9	10.0	10.1	11.2	8
Unspecified physical injury	.5	.4	.4	2.5	3.1	3.2	4.7	5.2	3.6	4
Major physical injury	3.1	3.7	3.5	4.4	3.9	4.1	2.4	3.2	3.3	2
Other maltreatment	7.6	7.5	7.4	8.9	7.7	11.7	9.2	8.3	9.8	1
Characteristics of child involved:										
Age, average (years)	7.7	7.6	7.4	7.5	7.3	7.2	7.1	7.1	7.2	
Sex:										
Male	50.0	49.9	49.4	49.5	49.8	49.2	49.5	48.9	48.0	4
Female	50.0	50.1	50.6	50.5	50.2	50.5	50.5	51.1	52.0	5
Race:										
White	61.1	67.7	67.1	65.7	69.4	67.8	64.9	67.5	67.0	
Black	19.8	19.1	21.1	22.2	18.8	21.7	21.7	19.7	20.8	
Hispanic	11.1	6.8	8.0	9.2	9.7	8.6	10.9	9.9	9.6	
Other	8.0	6.3	3.8	2.9	2.0	1.9	2.4	2.9	2.6	
Characteristics of caretaker:										
Age, average (years)	32.6	32.0	32.0	31.9	31.7	31.8	31.4	31.6	31.9	
Sex:										
Male	38.9	39.1	38.0	37.8	37.5	36.8	36.5	36.9	38.5	
Female	61.1	60.9	62.0	62.4	62.5	63.2	63.5	63.1	61.5	
Race:										
White	65.3	71.5	70.4	72.1	72.7	73.0	70.8	73.1	74.5	
Black	17.0	15.9	17.2	17.5	16.6	18.6	19.1	17.5	17.5	
Hispanic	10.0	8.4	9.6	4.9	5.1	4.7	6.1	6.8	5.5	
Other	7.7	8.2	2.8	5.5	5.8	3.7	4.0	2.6	2.5	
Family characteristics:										
Single female headed families	38.5	38.7	40.7	41.8	39.3	43.1	43.4	40.3	37.4	
Children in household, average (number)	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
Families receiving public assistance	45.0	46.5	43.9	48.3	44.2	43.4	43.4	47.4	46.3	
Characteristics of perpetrator:										
Age, average (years)	32.3	31.7	31.7	32.0	31.4	33.8	31.2	31.3	31.5	
Sex:										
Male	39.0	39.2	39.0	38.1	41.2	39.3	38.6	40.4	43.0	
Female	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	
Race:										
White	65.1	71.2	71.2	71.2	72.0	71.1	69.0	69.5	69.9	
Black	17.7	16.5	18.4	19.1	17.8	19.7	19.7	18.7	19.1	
Hispanic	9.5	6.3	7.4	7.2	8.3	7.5	9.2	9.8	9.3	
Other	7.7	6.0	3.0	2.5	2.1	1.7	2.1	2.0	1.9	

NA Not available.

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*,

Digitized by Google

No. 278. Persons Arrested by Sex, Age, and Race: 1975 to 1986

[1975–1981 data represent agencies reporting 6 to 12 months; thereafter, data represent those agencies reporting 12 months. See also *Historical Statistics, Colonial Times to 1970*, series H 999-1011]

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
SEX AND AGE										
Agencies reporting	Number	8,051	11,758	12,042	12,811	9,832	10,827	9,879	11,249	10,743
Population represented	Million	179	205	208	214	167	201	180	203	198
Percent of total population [1]	Percent	84.1	93.0	92.4	93.6	80.9	85.8	76.2	85.0	62.3
Persons arrested [2]	1,000	8,014	9,506	9,703	10,296	10,062	10,287	6,922	10,290	10,392
Male	1,000	6,752	8,011	8,170	6,633	6,425	6,582	7,433	8,499	6,586
Percent of total	Percent	84.3	84.3	84.2	83.9	83.7	83.4	83.3	82.6	82.6
Percent under 16 years	Percent	25.5	21.3	19.7	16.8	17.0	15.6	16.1	16.1	15.6
Female	1,000	1,262	1,495	1,533	1,660	1,637	1,705	1,489	1,791	1,806
Percent of total	Percent	15.7	15.7	15.8	16.1	16.3	16.6	16.7	17.4	17.4
Percent under 18 years	Percent	35.5	29.4	27.1	25.0	22.6	21.5	22.6	22.0	21.6
Under 16 years	1,000	2,078	2,143	2,026	2,036	1,805	1,726	1,538	1,763	1,748
Percent of total	Percent	25.9	22.5	20.9	19.6	17.9	16.8	17.2	17.1	16.6
18–24 years	1,000	2,482	3,279	3,426	3,594	3,527	3,513	2,970	3,335	3,325
25–34 years	1,000	1,546	2,106	2,298	2,582	2,692	2,892	2,540	3,030	3,149
35–44 years	1,000	870	983	1,001	1,089	1,115	1,211	1,075	1,282	1,323
45–54 years	1,000	644	600	574	593	554	570	480	530	512
55 years and over	1,000	386	385	378	400	370	375	319	350	335
RACE										
Agencies reporting	Number	7,993	11,689	12,013	12,747	9,789	10,765	9,851	11,231	10,699
Population represented	Million	169	204	208	214	186	200	179	202	198
Percent of total population [1]	Percent	79.5	92.9	92.3	93.3	80.5	85.5	76.0	84.7	62.0
Persons arrested [2]	1,000	7,671	9,468	9,684	10,264	10,003	10,248	6,891	10,239	10,336
White	1,000	5,539	6,849	7,146	7,482	7,070	7,291	6,529	7,338	7,371
Black	1,000	1,935	2,343	2,375	2,619	2,777	2,796	2,216	2,721	2,789
Other	1,000	197	276	163	163	153	161	146	181	176

[1] Based on resident population as of July 1, except 1980 based on April 1 census count. [2] Represents each person arrested rather than number of charges filed against each. Through 1981, includes persons for whom age was not known, not shown separately in breakdown by age.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 279. Persons Arrested, by Charge, Sex, and Age: 1986

[Represents arrests (not charges) reported by 10,743 agencies (reporting 12 months) with a total 1986 population of 198 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION								
		Male	Under 15 yr.	Under 18 yr.	18–24 yr.	25–44 yr.	45–54 yr.	55–64 yr.	65 yr. and over
Total arrests	**10,392**	**82.6**	**5.2**	**16.8**	**32.0**	**43.0**	**4.9**	**2.3**	**.9**
Serious crimes [1]	**2,167**	**78.9**	**11.0**	**29.6**	**30.6**	**34.0**	**3.3**	**1.6**	**.9**
Murder and nonnegligent manslaughter	16	87.7	1.0	8.7	32.6	49.1	5.8	2.5	1.5
Forcible rape	31	98.9	4.9	15.4	30.0	47.6	4.5	1.8	.7
Robbery	124	92.2	5.3	22.5	39.4	36.2	1.3	.4	.2
Aggravated assault	294	86.8	3.7	12.8	29.6	49.1	5.5	2.3	.9
Burglary [2]	376	92.1	12.5	35.9	35.3	27.0	1.2	.4	.1
Larceny—theft	1,182	69.3	13.2	32.0	28.1	32.8	3.7	2.1	1.3
Motor vehicle theft	129	90.5	9.3	39.2	34.3	24.6	1.4	.4	.1
Arson	16	86.3	24.7	40.4	22.5	30.7	4.2	1.6	.6
All other nonserious crimes	**8,225**	**83.6**	**3.6**	**13.4**	**32.4**	**45.4**	**5.4**	**2.5**	**.9**
Other assaults	594	84.6	5.1	14.5	30.1	48.3	4.7	1.8	.7
Forgery and counterfeiting	77	66.1	1.4	9.5	37.3	49.0	3.1	.9	.3
Fraud	285	56.7	2.4	6.2	26.6	58.5	5.9	1.9	.6
Embezzlement	11	63.6	.5	6.6	35.6	50.0	5.7	1.8	.3
Stolen property [3]	114	88.6	6.7	25.2	37.5	33.6	2.5	.9	.3
Vandalism	223	89.5	20.3	42.6	29.0	25.4	1.6	.7	.3
Weapons (carrying, etc.)	160	92.6	4.0	15.7	34.2	42.7	4.6	2.0	.8
Prostitution and commercialized vice	97	34.6	.3	2.3	41.6	52.1	2.4	1.2	.5
Sex offenses [4]	84	92.1	7.3	16.4	23.5	46.6	7.4	4.1	2.0
Drug abuse violations	692	85.5	1.4	9.9	38.6	48.2	2.4	.8	.2
Gambling	26	82.8	.4	2.4	15.5	52.8	16.0	9.3	4.0
Offenses against family and children	47	85.0	2.7	5.3	24.6	62.3	5.7	1.6	.5
Driving while intoxicated	1,459	88.5	(Z)	1.6	28.8	56.2	6.2	4.0	1.2
Liquor laws	490	83.2	2.1	27.0	48.9	19.6	2.6	1.3	.4
Drunkenness	776	91.1	.4	3.4	25.3	52.9	10.5	5.9	2.0
Disorderly conduct	565	81.6	4.0	14.7	37.1	40.3	4.3	2.5	1.0
Vagrancy	33	88.1	1.6	7.7	29.2	49.3	6.6	3.9	1.3
Suspicion	7	83.4	11.3	34.6	29.7	31.6	2.5	1.1	.3
Curfew, loitering (juveniles)	73	74.5	26.5	100.0	(X)	(X)	(X)	(X)	(X)
Runaways (juveniles)	139	42.3	40.4	100.0	(X)	(X)	(X)	(X)	(X)
All other offenses, except traffic	2,273	84.6	3.1	12.2	34.9	45.6	4.6	2.0	.8

X Not applicable Z Less than .05 percent [1] Includes arson arrests, a newly established index offense in 1979. [2] Breaking or entering. [3] Buying, receiving, possessing. [4] Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

Digitized by Google

No. 280. Arson—Summary by Property Type: 1984 to 1986

[10,046 agencies reporting. Includes only fires determined through investigation to have been willfully or maliciously set, including attempts]

Property type	Number of offenses			Percent cleared by arrest			Percent of clearances under 18			Average damage (dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Total	**82,338**	**86,455**	**87,585**	**19.2**	**18.9**	**18.2**	**36.6**	**37.1**	**36.5**	**10,378**	[1] **15,457**	**13,196**
Structure, total	47,736	48,263	47,846	22.9	22.9	22.5	34.9	34.7	36.0	16,310	[1] 25,837	21,969
Single occupancy residential	19,947	20,184	20,497	23.2	23.4	22.8	29.1	28.0	30.8	11,775	13,143	12,419
Other residential	8,182	8,221	8,096	24.2	24.3	24.7	27.0	26.9	30.7	12,143	11,526	12,048
Storage	4,955	5,159	4,980	17.7	16.5	18.5	49.4	50.6	49.0	17,000	20,536	45,258
Industrial/manufacturing	763	899	756	13.0	14.8	15.1	30.3	30.6	32.5	82,178	[1] 517,607	64,868
Other commercial	6,149	6,118	5,909	17.2	16.9	16.4	24.1	27.6	24.9	29,716	35,274	38,054
Community/public	5,112	5,043	4,737	34.1	34.2	34.2	54.1	52.2	54.6	13,226	15,460	33,818
Other structure	2,628	2,639	2,871	20.2	16.6	16.4	50.1	45.6	46.0	17,906	6,296	13,790
Mobile, total	20,036	22,324	24,485	10.9	10.9	10.2	20.3	19.6	19.6	3,470	3,707	3,651
Motor vehicle	18,304	20,487	22,578	10.4	10.4	9.9	18.1	18.2	18.3	3,084	3,343	3,289
Other mobile	1,732	1,837	1,907	18.3	16.4	14.1	35.3	30.6	31.6	7,542	7,777	7,940
Other	14,566	15,868	15,254	16.6	17.8	17.2	56.5	61.4	54.8	444	415	1,009

[1] One arson reported in 1985 involved damage to industrial/manufacturing structures of over $400 million, inflating the average damage values.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

No. 281. Home Crime Prevention Measures Undertaken by Households: 1984

[See headnote, table 282]

Characteristic [1]	Percent of households that—			
	Have taken at least one measure	Have a burglar alarm	Joined a neighborhood watch program	Engraved valuables with an identifying number
Total	**33**	**7**	**7**	**25**
Age of householder:				
16–19 years	41	(B)	6	36
20–24 years	34	4	4	30
25–34 years	35	5	7	29
35–49 years	38	8	10	29
50–64 years	32	8	9	23
65 years and over	23	6	8	16
Race:				
White	33	6	7	26
Black	33	8	10	23
Other	32	(B)	(B)	24
Educational attainment: [2]				
Elementary school	16	5	4	12
High school	32	6	6	24
College	41	9	10	32
Family income: [3]				
Less than $7,500	22	5	4	16
$7,500–$9,999	26	5	5	20
$10,000–$14,999	28	4	6	22
$15,000–$24,999	35	5	7	28
$25,000–$29,999	40	7	9	31
$30,000–$49,999	41	8	11	32
$50,000 or more	51	16	15	35

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Individual characteristics are those of the household respondent. [2] The highest grade or year completed. [3] Income of all family members during the 12 months prior to the interview.

No. 282. Security Measures at Work Place, by Size of Establishment: 1984

[**In percent.** Represents respondents who reported. Based on the Victimization Risk Survey that was administered as part of the National Crime Survey in February of 1984. See source for details]

Security measures	Number of employees in establishment			
	Total [1]	1–10	11–50	51 or more
Receptionist or guard who checks people in	42	22	40	65
Burglar alarm system	33	26	38	43
Police or guard for protection	30	11	18	54
Pass or I.D. required for entrance	19	5	8	38
Entry or gate kept locked during working hours	16	9	12	26
Surveillance camera	16	6	11	26
Guard dog	2	4	2	3
At least one of these measures	67	53	71	90

[1] Includes respondents for whom size of establishment was not known or not ascertained.

Source of tables 281 and 282: U.S. Bureau of Justice Statistics, *Crime Prevention Measures*, Special Report, March 1986.

Digitized by Google

No. 283. Law Enforcement Officers Killed, by Division, or Assaulted, by Type of Weapon Used: 1975 to 1986

[Covers officers killed feloniously and accidentally in line of duty; includes Federal officers. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 987-998]

ITEM	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total killed	[1] 185	[2] 125	145	[3] 164	[2] 165	[4] 157	[5] 164	[6] 152	147	[7] 148	131
Northeast	28	14	17	21	31	17	17	20	21	19	15
Midwest	40	26	24	28	23	29	41	26	22	23	19
South	71	65	69	77	72	80	75	64	69	64	62
West	36	18	31	32	32	27	27	34	32	29	29
Puerto Rico	8	1	4	4	6	3	3	6	3	10	6
ASSAULTS											
Population (1,000) [8]	151,927	168,868	180,948	182,027	162,288	177,836	176,563	198,341	195,794	198,935	196,030
Number of—											
Agencies represented	7,435	6,742	9,150	9,638	9,235	9,019	6,629	9,908	10,002	9,906	9,755
Police officers	290,638	322,205	347,681	340,764	345,554	332,856	319,101	377,620	372,268	389,806	380,249
Total assaulted	44,867	49,156	56,130	59,031	57,847	57,116	55,775	62,324	60,153	61,724	64,258
Firearm	3,282	2,809	3,065	3,237	3,295	3,330	2,642	3,067	2,654	2,783	2,852
Knife or cutting instrument	1,287	1,481	1,761	1,720	1,653	1,733	1,452	1,829	1,662	1,715	1,614
Other dangerous weapon	4,516	4,626	5,485	5,543	5,415	4,800	4,879	5,527	5,148	5,263	5,721
Hands, fists, feet, etc	35,782	40,240	45,819	48,531	47,484	47,253	46,802	51,901	50,689	51,953	54,072

[1] Includes one officer each in Virgin Islands and Guam. [2] Includes one officer in Virgin Islands. [3] Includes 2 officers in Guam. [4] Includes one officer in American Samoa. [5] Includes one officer in Mariana Islands. [6] Includes one officer each in Guam and Mariana Islands. [7] Includes one officer in Guam and 2 in foreign locations. [8] Represents the number of persons covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

No. 284. Aliens Expelled and Immigration Violations: 1970 to 1986

[**For fiscal years ending in year shown.** See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144-C 149, and C 158-160]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Aliens expelled	**1,000**	**320**	**679**	**992**	**736**	**837**	**824**	**944**	**931**	**1,067**	**1,612**
Deported	1,000	17	23	26	17	17	14	17	18	21	23
Entry without inspection or by false statements	Percent	47.6	70.5	87.0	84.0	82.6	81.4	79.6	80.8	80.8	79.7
Required to depart	1,000	303	656	966	719	820	810	927	913	1,046	1,589
Prosecutions disposed of	**Number**	**6,034**	**14,172**	**17,398**	**14,863**	**16,005**	**14,138**	**16,493**	**17,980**	**17,688**	**23,405**
Immigration violations	Number	5,510	13,947	16,970	14,498	15,602	13,712	15,848	16,989	16,976	22,496
Nationality violations	Number	524	225	428	365	403	426	645	991	712	909
Convictions	**Number**	**5,497**	**12,811**	**15,463**	**12,935**	**12,771**	**10,320**	**11,233**	**10,546**	**9,833**	**15,259**
Immigration violations	Number	4,991	12,676	15,163	12,678	12,509	10,058	10,947	10,237	9,635	14,995
Nationality violations	Number	506	135	300	257	262	262	286	309	198	264

No. 285. Immigration Border Patrol and Investigation Activities: 1970 to 1986

[**In thousands, except as indicated. For fiscal years ending in year shown, except as indicated.** See text, section 9]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
BORDER PATROL										
Border patrol agents										
Authorized (number)	1,724	1,803	2,339	2,484	2,289	2,429	2,413	2,409	3,228	3,273
On duty (number)	1,708	1,708	1,909	2,329	2,218	2,186	2,291	2,281	3,022	2,948
Border patrol obligations ($1,000)	28,447	55,254	71,021	62,534	85,610	98,774	110,174	114,088	141,902	150,418
Persons apprehended [1]	233.9	602.2	896.9	766.6	833.2	628.0	1,115.4	1,135.0	1,272.4	1,705.3
Deportable aliens located	231.1	596.8	888.7	759.4	825.3	619.9	1,105.7	1,138.6	1,262.4	1,692.5
Mexican	219.3	579.4	866.8	734.2	797.9	795.4	1,076.3	1,102.6	1,218.7	1,635.7
Canadian	7.8	7.3	5.7	5.3	5.8	5.7	5.9	5.8	5.9	6.2
Other	4.1	10.1	16.2	19.9	21.6	18.8	23.5	30.2	37.8	50.6
Smugglers of aliens located	3.3	6.9	15.3	13.1	12.6	11.8	13.4	13.5	14.7	19.3
Smuggled aliens apprehended	16.7	80.4	172.7	112.6	90.1	80.4	86.7	91.7	95.7	114.7
Aliens located										
Previously expelled	67.4	184.6	259.1	211.0	256.9	244.1	328.1	331.4	372.0	452.1
Previous criminal record	3.6	10.3	12.4	11.3	12.5	9.3	9.2	8.7	9.6	14.2
Conveyances examined	1,792	3,470	4,030	3,849	4,639	5,371	5,489	5,144	4,901	6,122
Automobiles	1,311	2,663	2,791	2,590	3,074	3,613	3,861	3,710	3,468	4,519
Persons questioned [2]	6,805	11,265	11,900	10,844	12,492	14,238	14,474	14,279	13,490	17,546
In automobiles	3,416	6,888	6,841	6,328	7,167	8,477	8,722	8,928	8,093	10,904
Pedestrians	1,661	2,056	2,314	1,706	1,862	1,965	2,119	2,089	2,063	2,767
Number of seizures	320	917	421	1,920	2,441	4,033	5,807	6,456	7,827	10,464
Value of seizures ($1,000)	4,547	28,654	9,967	116,115	17,348	15,178	43,536	60,303	138,795	194,710
Narcotics ($1,000)	3,865	26,302	8,448	110,272	10,236	5,242	28,729	43,475	119,056	181,750
INVESTIGATION										
Deportable aliens located	114.1	169.8	187.7	150.9	128.1	142.8	140.8	102.9	83.9	72.8
Mexican	58.1	100.9	132.1	83.3	76.2	92.1	96.0	66.2	48.3	35.8
Canadian	3.5	9	1.7	1.5	1.5	1.6	1.5	1.1	1.1	1.2
Other	52.5	68.0	53.9	66.1	50.4	49.1	43.3	35.6	34.5	35.8

Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations.
[1] Includes types not shown separately.

Source of tables 284 and 285: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

Digitized by Google

No. 286. Drug Removals, Laboratory Seizures, and Persons Indicted, by DEA: 1983 to 1986

[Represents domestic drug removals. 1 kg = .454 lbs; du = dosage unit. Minus sign (–) indicates decrease]

ITEM	Unit	1983	1984	1985	1986	PERCENT CHANGE 1983–84	1984–85	1985–86
Domestic drug removals:								
Heroin	kg	302	346	447	364	14.6	29.2	– 18.6
Cocaine	kg	7,399	11,742	18,129	27,089	58.7	54.4	49.4
Cannabis (Marihuana)	kg	1,029,825	1,399,926	744,642	825,445	35.9	– 46.8	10.9
Dangerous drugs	du	19,785,043	13,777,025	25,968,327	46,222,026	– 30.4	88.5	78.0
Clandestine laboratory seizures	Number	235	290	338	509	23.4	16.6	50.6
Narcotic Title III intercepts	Number	76	83	136	85	9.2	63.9	– 37.5
Asset removals:								
Total seizures	$1,000	(NA)	150,975	246,344	396,919	(NA)	63.2	61.1
DEA seizures	$1,000	95,650	92,545	171,888	308,693	– 3.2	85.7	79.6
Seizures through interagency cooperation	$1,000	(NA)	58,431	74,456	88,226	(NA)	27.4	18.5
DEA forfeitures	$1,000	(NA)	30,248	59,198	59,506	(NA)	95.7	.5
Fines [1]	$1,000	(NA)	16,447	7,404	(NA)	(NA)	– 55.0	(NA)
Judicial bond forfeitures	$1,000	(NA)	3,489	2,161	(NA)	(NA)	– 38.1	(NA)
Abandonments	$1,000	(NA)	386	617	(NA)	(NA)	59.8	(NA)
Arrests	Number	12,997	13,126	15,727	18,694	1.0	19.8	18.9
Convictions	Number	9,973	10,809	10,519	12,154	8.4	– 2.7	15.5
Number of persons indicted	Number	(NA)	6,442	9,279	11,454	(NA)	44.0	23.4

NA Not available. [1] Refers to all criminal and civil fees levied.

Source: Drug Enforcement Administration (DEA), *Annual Statistical Report*.

No. 287. Authorized Intercepts of Communication—Summary: 1970 to 1986

[Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Jurisdictions: [1]													
With wiretap statutes	19	24	24	24	24	26	28	29	29	31	31	32	32
Reporting interceptions	12	18	21	19	20	20	22	22	22	20	24	22	24
Intercept applications authorized	596	701	686	626	570	553	564	589	578	648	801	784	754
Intercept installations	582	676	635	601	560	533	524	562	516	602	773	722	676
Federal	179	106	136	77	61	67	79	106	129	205	277	235	247
State	403	570	499	524	479	446	445	456	389	397	496	487	429
Intercepted communications, avg. [2]	656	654	662	658	738	666	1,058	848	1,082	1,107	1,209	1,320	1,326
Incriminating	296	305	272	268	205	252	315	190	209	229	298	275	253
Persons arrested [3]	1,874	2,234	2,180	2,191	1,825	1,717	1,871	1,735	1,725	1,716	2,393	2,469	2,410
Convictions [3]	151	336	358	372	337	368	259	248	453	521	649	660	761
Major offense specified:													
Gambling	325	408	378	265	241	204	199	156	150	157	186	206	189
Drugs	127	178	190	237	195	250	282	318	333	360	483	434	348
Homicide and assault	21	16	10	22	25	29	13	33	31	31	30	25	34
Other	123	99	108	102	109	70	70	82	84	100	102	119	183

[1] Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. [2] Average per authorized installation. [3] Based on information received from intercepts installed in year shown.

Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire or Oral Communications*, (Wiretap Report), annual.

No. 288. Criminal Justice System—Public Expenditures and Employment, by Level of Government: 1980 to 1985

[Expenditures are for fiscal years. Employment as of **October**. Expenditures are direct expenditures only and on cash flow basis. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 1012-1027 for similar data]

LEVEL OF GOVERNMENT AND ACTIVITY	EXPENDITURES (mil. dol.)			FULL-TIME EQUIVALENT EMPLOYMENT					
				Total [1] (1,000)			Rate [2]		
	1980	1983	1985	1980	1983	1985	1980	1983	1985
All governments	22,064	39,680	45,607	[3] 910	[3] 1,223	[3] 1,389	[3] 40.2	[3] 54.0	[3] 57.3
Police	15,163	20,648	22,014	647	669	693	28.6	29.5	29.0
Judicial and legal	(NA)	8,621	10,070	(NA)	244	282	(NA)	10.3	11.8
Corrections	6,901	10,411	13,034	263	311	387	11.6	13.7	16.1
Federal government	2,126	4,844	5,584	[3] 66	[3] 104	[3] 108	[3] 2.9	[3] 4.6	[3] 4.5
Police	1,739	2,745	2,768	56	64	61	2.5	2.8	2.5
Judicial and legal	(NA)	1,523	1,999	(NA)	30	32	(NA)	1.3	1.3
Corrections	387	576	707	10	10	14	.4	.4	.6
State governments	6,285	11,709	14,664	236	352	431	10.4	15.5	18.1
Percent of total	28.5	29.5	32.2	25.9	28.8	31.5	(X)	(X)	(X)
Police	2,027	2,690	3,228	75	77	99	3.3	3.4	4.1
Judicial and legal	(NA)	2,756	3,172	(NA)	81	90	(NA)	3.6	3.8
Corrections	4,258	6,323	8,081	161	194	239	7.1	8.6	10.0
Local governments [4]	13,653	23,127	25,260	608	767	829	26.8	33.9	34.7
Percent of total	61.9	58.3	55.4	66.8	62.7	60.6	(X)	(X)	(X)
Police	11,397	15,273	16,018	516	526	533	22.8	23.3	22.3
Judicial and legal	(NA)	4,342	4,899	(NA)	133	161	(NA)	5.9	6.7
Corrections	2,256	3,512	4,247	92	106	134	4.1	4.7	5.6

NA Not available. X Not applicable. [1] Total payroll divided by full-time payroll multiplied by full-time employees. [2] For 1980 rate per 10,000 estimated resident population as of April 1, 1980; for 1983 and 1985, as of July 1. [3] Data for Federal government represent total employment (full- and part-time). [4] Data are estimates subject to sampling variation; see Appendix III and source.

Source: U.S. Bureau of Justice Statistics, *Justice Expenditures and Employment Extracts*, annual.

Digitized by Google

No. 289. State and Local Government Employment and Expenditures for Criminal Justice Activities: 1985

[Employment as of **October**. Expenditures for fiscal years ending between **July 1984** and **June 1985**. Local government data are estimates subject to sampling variation; see Appendix III and source. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Total employment			Full-time employment per 10,000 population [1]		Expenditures			
	Total	Police protection	Correction	Police protection	Correction	Total (mil. dol.) [2]	Per capita (dol.)	Police protection (mil. dol.)	Correction (mil. dol.)
U.S.	**1,050,706**	**694,191**	**356,515**	**25.5**	**14.3**	**43,235**	**181**	**20,956**	**12,839**
egion:									
Northeast	262,027	178,159	83,868	29.5	16.3	10,682	214	5,015	3,236
Midwest	235,009	167,260	67,749	24.1	10.9	9,260	156	4,747	2,442
South	346,862	213,711	133,151	23.9	15.9	12,399	151	6,017	3,922
West	206,808	135,061	71,747	26.1	13.9	10,894	228	5,177	3,240
. Eng	**54,983**	**38,244**	**15,719**	**25.1**	**11.9**	**2,074**	**164**	**1,019**	**530**
ME	4,340	3,102	1,238	20.8	9.5	128	110	81	34
NH	4,034	3,262	772	21.3	7.0	140	140	85	38
VT	1,969	1,395	574	19.9	9.2	74	138	32	21
MA	26,048	18,718	7,330	26.6	12.3	1,024	176	497	270
RI	3,774	2,752	1,022	25.5	10.5	164	169	84	38
CT	14,798	10,015	4,783	25.9	14.8	544	171	280	129
id. Atl	**207,064**	**138,915**	**68,149**	**30.9**	**17.8**	**8,608**	**231**	**3,996**	**2,706**
NY	111,518	69,456	42,062	34.6	23.1	5,220	294	2,360	1,774
NJ	49,346	35,116	14,230	35.9	18.3	1,592	210	805	423
PA	46,200	34,343	11,857	22.1	9.5	1,796	152	611	509
No. Cent	**172,342**	**123,479**	**48,863**	**24.9**	**11.3**	**6,884**	**165**	**3,536**	**1,848**
OH	38,404	27,579	10,825	21.0	9.7	1,617	150	808	443
IN	19,647	13,114	6,533	20.4	11.5	593	108	277	190
IL	57,748	43,474	14,274	31.9	12.2	2,023	175	1,139	506
MI	36,632	24,485	12,147	23.5	12.6	1,788	197	849	480
WI	19,911	14,827	5,084	24.9	9.7	863	161	462	229
. No. Cent	**82,667**	**43,781**	**16,886**	**22.0**	**9.9**	**2,378**	**135**	**1,211**	**593**
MN	13,159	8,928	4,231	18.2	6.7	665	159	316	172
IA	9,309	6,454	2,855	18.8	9.3	368	127	185	93
MO	20,260	14,611	5,649	26.6	10.5	660	131	374	154
ND	1,997	1,558	439	19.3	5.7	75	109	34	14
SD	2,396	1,682	714	20.1	8.6	79	112	38	21
NE	5,820	3,881	1,939	22.1	11.1	206	128	100	59
KS	9,726	6,667	3,059	24.0	12.0	324	132	162	80
). Atl	**185,664**	**111,991**	**73,673**	**25.5**	**17.8**	**6,922**	**172**	**3,269**	**2,299**
DE	3,230	1,758	1,472	24.6	22.5	130	209	56	40
MD	22,541	13,499	9,042	28.5	19.9	940	214	425	336
DC	7,925	4,597	3,328	70.1	52.3	435	695	182	174
VA	25,720	13,930	11,790	22.8	19.6	914	160	409	346
WV	5,079	3,611	1,468	18.8	8.2	168	87	81	36
NC	24,834	15,016	9,816	22.4	15.4	821	131	397	283
SC	13,177	8,060	5,117	21.6	15.1	427	128	179	164
GA	25,848	15,700	10,148	23.3	16.7	835	140	376	299
FL	57,310	35,618	21,492	28.9	18.5	2,252	198	1,164	621
So. Cent	**54,132**	**34,082**	**20,050**	**20.0**	**13.0**	**1,729**	**114**	**824**	**525**
KY	13,480	7,922	5,558	19.3	14.3	417	112	192	119
TN	18,190	11,171	7,019	20.3	14.8	568	119	279	179
AL	13,999	9,317	4,682	21.3	11.4	498	124	225	158
MS	8,463	5,672	2,791	18.5	10.4	245	94	128	69
So. Cent	**107,066**	**67,638**	**39,428**	**23.5**	**14.6**	**3,749**	**141**	**1,924**	**1,097**
AR	7,227	4,859	2,368	19.2	9.7	219	93	116	63
LA	21,184	13,084	8,100	25.2	17.7	785	175	408	217
OK	13,167	8,821	4,346	25.2	13.0	432	131	208	145
TX	65,488	40,874	24,614	23.3	14.8	2,313	141	1,192	672
	56,099	**36,561**	**18,538**	**26.7**	**13.8**	**2,484**	**194**	**1,213**	**720**
MT	3,211	2,180	1,031	23.1	10.6	123	149	54	34
ID	3,363	2,527	836	22.6	7.8	120	119	67	25
WY	2,558	1,885	673	34.9	12.7	115	226	60	29
CO	12,556	9,076	3,480	26.6	10.5	602	186	306	156
NM	7,413	4,303	3,110	27.7	20.9	296	204	129	108
AZ	14,755	9,058	5,697	28.1	17.5	728	228	353	218
UT	5,715	3,913	1,802	19.8	9.3	244	148	124	68
NV	5,528	3,619	1,909	35.9	19.4	256	274	118	83
c	**151,709**	**98,500**	**53,209**	**25.9**	**13.9**	**6,411**	**240**	**3,965**	**2,519**
WA	17,020	9,953	7,067	21.3	14.9	838	190	346	325
OR	9,858	6,299	3,559	21.4	12.2	463	172	226	127
CA	118,149	77,745	40,404	27.0	14.0	8,539	248	3,173	1,896
AK	2,796	1,671	1,125	29.4	19.5	360	691	129	127
HI	3,886	2,832	1,054	26.4	9.7	210	200	91	44

[1] Based on resident population as of July 1. [2] Includes judicial and legal, not shown separately.

Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual, and *Governmental Finances*, series GF No. 5, nual.

Digitized by Google

No. 290. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1985

[See headnote, table 291. See also *Historical Statistics, Colonial Times to 1970*, series H 1028–1062]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970	1980	1985
All lawyers [1]	**241,514**	**262,320**	**285,933**	**296,069**	**316,656**	**355,242**	**542,205**	**655,191**
Lawyers reporting [2]	**221,600**	**235,783**	**252,385**	**268,782**	**289,404**	**324,818**	(X)	(X)
Male	216,564	229,433	245,897	261,639	281,336	315,715	498,019	569,649
Female	5,036	6,350	6,488	7,143	8,068	9,103	44,186	85,542
Status in practice: [3]								
Government	21,279	24,245	25,621	29,314	31,280	35,803	50,490	53,035
Federal	9,040	12,458	13,045	15,113	16,284	18,710	20,132	19,989
State	3,561	4,000	4,316	6,466	7,416	9,293	30,358	33,046
City or county	8,678	7,787	8,260	7,715	7,580	7,800		
Judicial	7,903	7,910	8,180	6,748	9,712	10,349	19,160	21,877
Federal	621	769	599	707	800	878	2,611	3,003
State and county	5,041	5,056	5,301	5,712	6,823	7,548	16,549	18,674
City	2,241	2,085	2,280	2,329	2,089	1,923		
Private practice	189,423	188,955	192,353	200,586	212,662	236,085	370,111	460,206
Individual	127,389	122,389	116,911	113,127	113,273	118,963	179,923	216,336
Partner	51,668	54,966	60,709	70,064	78,544	92,442	190,167	177,392
Associate [4]	10,366	11,600	14,733	17,395	20,845	24,680		66,478
Salaried	16,648	21,054	25,196	29,510	33,222	40,486	73,862	83,843
Private industry	15,063	16,911	22,533	26,492	29,405	33,593	54,626	63,622
Educational institutions	1,351	1,504	1,798	2,100	2,717	3,732	6,606	7,254
Other private employment	234	639	867	918	1,100	3,161	12,630	12,967
Inactive or retired	6,581	7,661	10,887	12,024	14,881	16,812	28,582	36,430

X Not applicable. [1] 1954–1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980 and 1985 weighted to account for non-reporters and duplicate listings. [2] 1954–1970 includes duplications; 1980 and 1985 figures are weighted to adjust for duplication of entries. [3] 1954–1970, in cases where more than 1 subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. [4] Associates are lawyers designated as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1954–1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. 291. LAWYERS, BY STATE: 1970 TO 1985

[Data based on 1971, 1980 and 1985 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 [1]	1980 [2]	1985			STATE	1970 [1]	1980 [2]	1985		
			Total [2]	In private practice [2]	Population per lawyer [2]				Total [2]	In private practice [2]	Population per lawyer [2]
U.S. [4]	**324,818**	**542,205**	**655,191**	**460,206**	**360**	MO	7,230	10,731	12,439	8,531	403
						MT	976	1,617	2,006	1,432	411
AL	3,291	5,466	6,679	4,747	597	NE	2,481	3,722	4,269	2,878	374
AK	443	1,355	1,749	1,191	286	NV	739	1,771	2,276	1,561	400
AZ	2,616	5,657	7,535	5,248	405	NH	791	1,678	2,139	1,570	457
AR	1,969	3,186	3,741	2,586	628	NJ	11,126	18,400	23,301	16,429	323
CA	31,580	64,840	82,001	60,719	312	NM	1,201	2,508	3,164	2,302	450
CO	4,197	8,652	11,174	7,991	284	NY	48,312	62,745	72,575	52,130	244
CT	5,396	6,930	11,397	7,342	277	NC	4,367	7,459	9,265	6,520	665
DE	733	1,332	1,597	896	384	ND	729	1,101	1,269	888	532
DC	15,501	25,465	28,399	12,617	22	OH	15,349	23,949	27,191	19,125	395
FL	10,917	23,521	30,444	21,709	361	OK	4,637	7,034	8,302	5,923	397
GA	5,517	11,087	13,652	10,097	428	OR	2,996	5,803	7,385	5,337	362
HI	857	2,027	2,767	2,019	373	PA	13,557	22,872	27,798	20,393	426
ID	803	1,706	2,031	1,370	493	RI	1,284	2,070	2,527	1,909	381
IL	20,404	32,421	37,873	26,463	304	SC	2,236	4,195	5021	3,755	657
IN	5,447	8,443	9,499	6,862	579	SD	812	1,125	1,230	880	574
IA	3,820	5,550	6,182	4,339	471	TN	4,770	7,902	8,782	6,206	537
KS	3,126	4,759	5,555	3,828	439	TX	17,217	30,151	39,028	28,184	410
KY	3,625	6,200	7,017	4,941	531	UT	1,309	2,480	3,446	2,585	479
LA	5,089	8,752	10,569	6,272	422	VT	581	1,095	1,372	979	386
ME	1,068	2,062	2,528	1,848	457	VA	6,401	10,895	13,390	9,031	421
MD	6,619	10,648	12,866	8,405	338	WA	4,466	8,468	11,507	8,411	378
MA	11,316	18,537	22,154	16,579	262	WV	1,719	2,566	2,835	2,033	669
MI	10,569	17,443	20,445	14,501	444	WI	6,177	9,117	10,315	7,187	462
MN	5,481	9,433	11,343	7,767	367	WY	449	927	1,116	755	458
MS	2,517	3,650	4,270	3,198	608						

[1] Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 90 percent of all lawyers. [2] Weighted to account for non-reporters and duplicate listings. [3] Based on Bureau of the Census estimated resident population, including Armed Forces stationed in area as of July 1, 1984. [4] Total for U.S. counts each lawyer only once regardless of number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright), 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

Digitized by Google

No. 292. U.S. Supreme Court—Cases Filed and Disposition: 1970 to 1985

[Statutory term of court begins first Monday in **October**. See *Historical Statistics, Colonial Times to 1970*, series H 1063-1078, for related but not comparable data]

ACTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total cases on docket	4,212	4,761	4,731	4,781	5,144	5,311	5,079	5,100	5,006	5,158
Appellate cases on docket	1,903	2,352	2,383	2,509	2,749	2,935	2,710	2,688	2,575	2,571
From prior term	325	431	434	425	527	522	545	520	539	400
Docketed during present term	1,578	1,921	1,949	2,084	2,222	2,413	2,165	2,168	2,036	2,171
Cases acted upon	1,613	1,900	2,029	2,050	[1] 2,324	[1] 2,513	[1] 2,279	[1] 2,220	[1] 2,253	[1] 2,185
Granted review	214	244	210	199	187	203	169	140	167	166
Denied, dismissed, or withdrawn	1,285	1,538	1,734	1,776	1,999	2,100	1,892	1,902	1,953	1,863
Summarily decided	114	118	79	75	90	114	113	71	59	78
Cases not acted upon	290	452	360	459	425	422	413	468	322	386
Pauper cases on docket	2,289	2,395	2,331	2,249	2,371	2,354	2,352	2,394	2,416	2,577
Cases acted upon	1,802	1,997	1,996	1,838	[1] 2,027	[1] 2,039	[1] 2,013	[1] 1,992	[1] 2,087	[1] 2,189
Granted review	41	28	27	32	17	7	10	9	18	20
Denied, dismissed, or withdrawn	1,683	1,903	1,938	1,757	1,968	2,014	1,995	1,968	2,050	2,136
Summarily decided	78	66	31	49	32	12	6	10	14	24
Cases not acted upon	487	398	335	411	344	315	339	402	329	388
Original cases on docket	20	14	17	23	24	22	17	18	15	10
Cases disposed of during term	7	7	–	1	7	6	3	7	8	2
Total cases available for argument	**267**	**280**	**249**	**238**	**284**	**318**	**312**	**269**	**271**	**276**
Cases disposed of	160	181	170	160	182	192	199	189	184	175
Cases argued	151	179	168	156	154	184	183	184	175	171
Cases dismissed or remanded without argument	9	2	2	4	8	8	16	5	9	4
Cases remaining	107	99	79	78	102	126	113	80	87	101
Cases decided by signed opinion	126	160	153	143	144	170	174	174	159	161
Cases decided by per curiam opinion	22	16	8	12	8	10	6	6	11	10
Number of signed opinions	109	136	130	130	123	141	151	151	139	146

– Represents zero. [1] Includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

No. 293. U.S. Courts of Appeals Cases Commenced and Disposition: 1970 to 1986

[For years ending **June 30**. See also *Historical Statistics, Colonial Times to 1970*, series H 1079-1096]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Cases commenced [1]	**11,662**	**16,658**	**18,918**	**20,219**	**23,200**	**26,362**	**27,946**	**29,830**	**31,490**	**33,360**	**34,292**
Criminal	2,660	4,167	4,487	4,102	4,405	4,377	4,767	4,790	4,881	4,989	5,134
U.S. civil	2,167	2,981	3,928	3,983	4,654	4,940	5,517	5,820	6,259	6,744	6,415
Private civil	4,834	6,511	7,234	8,237	10,200	12,074	13,267	14,429	15,466	16,827	17,876
Administrative appeals	1,522	2,290	2,382	2,922	2,950	3,800	3,118	3,068	3,045	3,179	3,187
Cases terminated [1]	**10,899**	**16,000**	**17,714**	**18,928**	**20,887**	**25,086**	**27,984**	**28,660**	**31,185**	**31,387**	**33,774**
Criminal	2,581	4,005	4,461	4,320	3,993	4,192	4,522	4,777	4,876	4,892	5,134
U.S. civil	1,912	3,094	3,437	3,857	4,346	5,021	5,508	5,585	8,074	6,363	6,535
Private civil	4,367	8,252	6,813	7,175	8,942	11,327	13,115	13,710	15,309	15,743	17,276
Administrative appeals	1,407	1,909	2,256	2,602	2,643	3,303	3,549	3,260	3,212	2,760	3,235
Cases disposed of [2]	**8,139**	**9,077**	**9,890**	**9,361**	**10,607**	**12,188**	**12,720**	**13,217**	**14,327**	**16,369**	**18,199**
Affirmed or granted	4,626	6,763	6,717	7,125	8,017	9,004	9,560	10,174	10,961	12,286	13,398
Reversed or denied	1,280	1,632	1,536	1,548	1,845	2,246	2,136	2,173	2,382	2,770	3,249
Other	233	682	597	688	745	918	1,022	870	984	1,313	1,552
Median months [3]	8.2	7.4	8.0	8.1	8.9	9.3	8.9	8.6	8.3	10.3	10.3

[1] Includes original proceedings and bankruptcy appeals not shown separately. [2] Terminated on the merits after hearing or submission. Beginning 1975, data not comparable with earlier years due to changes in criteria. [3] Prior to 1985, the figure is from filing of complete record to final disposition; 1985 figure is from filing notice of appeal to final disposition.

No. 294. U.S. District Courts—Civil and Criminal Cases: 1970 to 1986

[**In thousands, except percent.** As of **end of fiscal year**; see text, section 10. See also *Historical Statistics, Colonial Times to 1970*, series H 1097-1111]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Civil cases: Commenced	87.3	117.3	138.8	154.7	168.6	180.6	206.2	241.8	261.5	273.7	254.8
Cases terminated [1]	79.5	103.6	129.2	140.0	155.0	172.9	185.5	213.8	241.8	266.6	265.8
No court action	31.1	39.2	45.3	50.2	56.7	72.1	81.8	99.0	113.9	129.4	122.2
Court action, total	48.4	64.6	77.8	79.9	86.2	100.8	103.9	114.6	127.9	139.2	143.6
Before pretrial	29.4	40.3	48.7	49.7	53.8	61.1	67.3	75.9	86.1	95.5	101.9
Pretrial	11.0	15.6	19.7	20.5	22.4	28.3	25.3	27.1	29.6	31.1	29.9
Trials:	8.0	8.7	9.4	9.6	10.1	11.4	11.3	11.6	12.1	12.6	11.7
Percent reaching trial	10.0	8.4	7.6	6.9	6.5	6.6	6.1	5.4	5.0	4.7	4.4
Criminal cases: Commenced [2]	38.1	41.1	34.6	31.5	28.0	30.4	31.6	34.9	35.9	38.5	40.4
Defendants disposed of [3]	36.4	49.2	45.9	41.2	36.6	38.1	40.5	43.3	44.5	47.4	50.0
Not convicted	6.2	11.8	9.4	8.3	8.0	8.3	8.2	7.7	8.4	8.8	9.3
Convicted	28.2	37.4	36.5	32.8	28.6	29.9	32.3	35.6	36.1	38.5	40.7
Imprisonment	12.4	17.3	17.4	14.8	13.2	13.7	15.9	17.9	17.7	18.7	20.6
Probation	11.4	17.9	14.5	13.5	11.1	12.2	12.7	14.1	13.9	14.4	15.2
Fine and other	4.4	2.2	4.6	4.9	4.4	4.0	3.7	3.6	4.5	5.4	4.9

[1] Excludes land condemnation cases. [2] Excludes transfers. [3] Beginning 1975, includes DC; beginning 1978, includes Guam, Virgin Islands, and Northern Mariana Islands; 1978 through 1982 includes Canal Zone.

Source of tables 293 and 294: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

Digitized by Google

No. 295. U.S. District Courts—Civil Cases Commenced, and Pending: 1975 to 1986

TYPE OF CASE	CASES COMMENCED				CASES PENDING			
	1975	1980	1985	1986	1975	1980	1985	1986
Cases total [1]	**117,320**	**168,789**	**273,670**	**254,828**	**119,767**	**186,113**	**254,114**	**242,177**
Contract actions [1]	22,905	49,052	102,642	88,352	23,524	40,521	65,983	56,630
Recovery of overpayments [2]	681	15,588	58,160	40,824	425	6,696	22,578	13,408
Real property actions	6,488	11,067	10,118	10,674	5,817	15,436	9,324	9,496
Tort actions [1]	25,691	32,539	41,593	42,326	30,689	41,062	57,243	61,491
Personal injury	21,221	27,517	37,560	38,248	26,198	34,994	52,808	56,802
Personal injury product liability [1]	(NA)	(NA)	12,507	12,459	2,768	9,118	22,111	26,221
Asbestos	(NA)	(NA)	4,239	5,463	(NA)	(NA)	11,194	15,019
Other personal injury	21,221	27,517	25,053	25,789	23,430	25,876	30,497	30,581
Personal property damage	4,470	5,022	4,033	4,078	4,491	6,068	4,635	4,689
Actions under statutes [1]	60,051	75,574	119,160	113,392	58,568	68,534	121,295	112,423
Civil rights [3]	10,392	12,944	19,553	20,128	11,843	18,819	26,148	25,977
Employment	(NA)	5,017	8,082	9,174	4,679	8,893	12,187	12,418
Bankruptcy suits	395	1,666	6,331	4,561	542	1,443	4,666	3,970
Antitrust	1,431	1,496	1,082	877	2,639	2,968	1,915	1,597
Banks and banking	183	202	343	518	219	260	422	532
Commerce (ICC rates, etc.)	4,042	1,105	912	922	7,496	6,194	747	690
Environmental matters	(NA)	557	652	641	468	751	912	926
Prisoner petitions	19,307	23,287	33,468	33,765	10,469	18,008	29,982	29,550
Forfeiture and penalty	2,446	3,019	4,908	3,480	1,481	2,282	3,858	2,701
Labor laws	6,617	8,640	11,749	12,839	5,749	9,045	11,002	11,621
Protected property rights [3]	2,276	3,783	5,412	5,661	2,652	4,014	5,151	5,322
Securities commodities and exchanges	2,408	1,694	3,266	3,059	4,280	3,255	5,082	5,221
Social Security laws	5,846	9,043	19,771	14,407	5,595	13,154	20,302	12,047
Tax suits	1,699	3,262	2,966	2,750	2,385	3,075	2,972	2,952
Freedom of information	(NA)	627	565	505	(NA)	617	555	493

NA Not available. [1] Includes other types not shown separately. [2] Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits. [3] Includes copyright, patent, and trademark rights.

No. 296. U.S. District Courts—Trials: 1970 to 1986

[As of end of fiscal year; see text, section 10. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112–1118]

TYPE OF TRIAL	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	**16,032**	**19,236**	**18,851**	**18,563**	**19,825**	**21,239**	**21,397**	**21,345**	**20,830**	**20,729**	**20,242**
Civil trials	9,449	11,603	11,515	11,764	13,191	14,697	14,753	14,689	14,374	14,254	13,275
Nonjury	6,078	7,903	8,326	8,348	9,254	10,047	10,074	9,712	9,037	8,817	8,054
Jury	3,371	3,700	3,189	3,416	3,937	4,650	4,679	4,977	5,337	5,437	5,220
Criminal trials	6,583	7,633	7,336	6,799	6,634	6,542	6,644	6,656	6,456	6,475	6,966
Nonjury	2,357	2,726	3,344	3,132	3,216	2,962	3,076	3,003	2,823	2,778	3,066
Jury	4,226	4,907	3,992	3,667	3,418	3,580	3,568	3,653	3,633	3,697	3,900

No. 297. U.S. District Courts—Criminal Cases Commenced and Defendants Disposed Of, by Nature of Offense: 1985 and 1986

[For years ending June 30]

NATURE OF OFFENSE	1985		Cases commenced,[3] 1986	DISPOSITION OF DEFENDANTS, 1986							
	Cases commenced [1]	Defendants disposed of		Total defendants disposed of	Not convicted		Convicted [2]			Sentenced	
					Total	Acquitted	Total	Guilty plea [3]	By court or jury	Imprisonment	Probation	Fine and other
Total	**38,546**	**47,360**	**40,427**	**50,040**	**9,300**	**1,418**	**40,740**	**35,448**	**5,292**	**20,621**	**15,230**	**4,889**
General offenses:												
Homicide	160	170	141	164	41	5	123	72	51	91	13	19
Robbery	1,236	1,387	1,257	1,272	131	23	1,141	980	161	1,068	66	7
Assault	552	555	602	584	173	43	411	328	83	228	144	39
Burglary	158	165	113	145	44	3	101	92	9	71	29	1
Larceny—theft	3,571	4,108	3,590	4,228	833	129	3,395	3,098	297	1,386	1,680	348
Embezzlement and fraud	7,912	9,044	8,571	9,743	1,331	229	8,412	7,511	901	3,312	4,799	301
Auto theft	300	461	338	439	65	21	374	316	58	274	95	5
Forgery, counterfeiting	2,118	2,372	2,371	2,671	385	26	2,286	2,097	189	1,059	1,189	38
Sex offenses	266	200	286	270	44	11	226	174	52	135	81	10
DAPCA [4]	6,690	11,177	7,894	12,934	2,170	359	10,764	8,888	1,876	8,152	2,353	259
Misc. general offenses	15,583	17,721	15,264	17,590	4,083	569	13,507	11,892	1,615	4,865	4,781	3,861

[1] Excludes transfers. [2] Convicted and sentenced. [3] Includes nolo contendere. [4] All marihuana, narcotics and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.

Source of tables 295–297: Administrative Office of the U.S. Courts, *Annual Report of the Director*

Digitized by Google

No. 298. U.S. District Courts—Defendants Charged With Violations of Drug Abuse Prevention and Control Act: 1980 to 1986

[For years ending June 30]

ITEM	MARIHUANA					DRUGS					CONTROLLED SUBSTANCES (prescribed drugs)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Defendants disposed of	1,690	3,806	3,179	3,984	3,989	3,290	3,692	4,548	5,595	7,321	1,383	1,666	1,464	1,598	1,624
Not convicted	569	792	667	854	904	749	601	786	868	1,009	276	261	279	246	257
Dismissed [1]	483	676	516	709	777	620	481	668	692	813	234	236	237	200	221
Convicted	1,121	3,014	2,512	3,130	3,085	2,541	3,091	3,762	4,727	6,312	1,087	1,385	1,185	1,352	1,367
By guilty plea and nolo contendere	772	2,379	1,895	2,523	2,637	1,830	2,334	2,935	3,839	5,125	848	1,061	963	1,138	1,126
Imprisonment, total [2]	754	1,921	1,841	2,036	2,048	1,945	2,493	3,049	3,701	5,058	780	1,035	866	1,049	1,046
Regular sentence	555	1,416	1,344	1,512	1,594	1,410	1,942	2,326	2,885	4,169	582	792	636	810	838
Avg. sentence (mo.)	47.2	55.1	54.4	53.2	55.7	60.8	70.8	71.8	69.6	73.1	46.5	62.2	67.6	69.3	81.2
Other sentences to prison [3]	199	505	497	524	454	535	551	723	816	889	198	243	230	239	208
Probation, total	341	973	616	938	902	588	583	661	960	1,148	303	337	307	287	303
Avg. sentence (mo.)	37.9	27.9	42.0	31.2	33.4	39.9	40.8	44.3	39.7	41.6	37.2	38.0	43.4	40.5	43.7
Fine only	20	94	11	83	91	4	8	4	3	15	3	6	3	6	2
Other [4]	6	26	44	73	44	4	7	48	63	91	1	7	9	10	16

[1] Includes defendants committed under 28 USC 2902, Narcotic Addict Rehabilitation Act of 1966. [2] Split or mixed sentences of prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. [3] Includes deportation, suspended sentences, imprisonment for four days or less or for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director.*

No. 299. Federal Prosecutions of Public Corruption: 1974 to 1986

[As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total: [1] Indicted	291	255	563	507	557	687	721	878	729	1,073	936	1,182	1,192
Convicted	217	179	380	440	409	555	552	730	671	972	934	997	1,027
Awaiting trial	5	27	199	210	205	187	213	231	186	222	269	256	246
Federal officials: Indicted	59	53	111	129	133	128	123	196	158	[2] 460	408	563	596
Convicted	51	43	101	94	91	115	131	159	147	[2] 424	429	470	523
Awaiting trial	1	5	1	32	42	21	16	23	38	58	77	90	83
State officials: Indicted	36	36	59	50	55	58	72	87	49	81	58	79	88
Convicted	23	18	35	38	56	32	51	66	43	65	52	66	71
Awaiting trial	–	5	30	33	20	30	28	36	18	26	21	20	24
Local officials: Indicted	130	139	194	157	171	212	247	244	257	270	203	248	232
Convicted	87	94	100	164	127	156	168	211	232	226	196	221	207
Awaiting trial	4	15	98	62	72	67	82	102	58	61	74	49	55

– Represents zero. [1] Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. [2] Increases in the number indicted and convicted between 1982 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970–1980* and *Report to Congress on the Activities and Operations of the Public Integrity Section*, annual.

No. 300. Children's Cases Disposed of by Juvenile Courts: 1970 to 1983

[For definition of delinquency cases, see text, section 5. Dependency and neglect cases are all cases referred to the court for some form of neglect or inadequate care on the part of parents or guardians. See also *Historical Statistics, Colonial Times to 1970*, series H 1119–1124]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983
Population 10–17 years old [1]	1,000	32,614	33,960	32,276	31,643	31,171	30,725	29,914	29,345
Delinquency cases, excluding traffic	1,000	1,052	1,317	1,359	1,374	1,445	1,350	1,292	1,276
Per 1,000 population 10–17 years old	Rate	32.3	38.8	42.1	43.4	46.4	44.0	43.2	43.5
Male	1,000	800	1,002	1,055	1,058	1,121	1,024	990	980
Female	1,000	252	315	304	316	324	326	303	295
Percent of total cases	Percent	24.0	23.9	22.4	23.0	22.4	24.1	23.4	23.1
Population under 18 years old [1]	1,000	70,810	68,314	65,982	65,335	64,908	64,405	63,763	63,812
Dependency and neglect cases	1,000	133	143	158	157	153	185	172	196
Per 1,000 population under 18 years old	Rate	1.9	2.1	2.4	2.5	2.3	2.9	2.7	3.1

[1] U.S. Bureau of the Census estimates of civilian population as of July 1.

Source: National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics*, annual. (Copyright.)

Digitized by Google

No. 301. Juveniles Held in Custody—Public and Private Juvenile Residents and Facilities: 1979 to 1985

[Public and private facilities for juveniles include detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

Characteristic	Unit	Public custody			Private custody		
		1979	1983	1985	1979	1983	1985
Number of residents [1, 2]	Number	45,396	50,799	51,402	28,717	31,473	34,112
Juvenile [3]	Number	43,234	48,701	49,322	28,688	31,390	34,080
Average age [4]	Years	15.3	15.4	15.4	14.9	14.9	14.9
Male	Number	37,167	42,182	42,549	20,512	22,242	23,844
Female	Number	6,067	6,519	6,773	8,176	9,148	10,236
White	Number	26,053	27,805	29,969	21,654	22,377	23,999
Black	Number	13,752	18,020	18,269	5,843	7,822	9,204
Number of admissions (all residents) [5, 6]	Number	568,802	530,200	527,759	69,507	88,806	101,007
Number of departures (all residents) [5, 6]	Number	560,751	522,599	520,903	64,574	84,399	96,006
Average daily residents [6]	Number	47,803	50,208	49,480	28,566	31,685	33,121
Facilities, total [7, 2]	Number	1,015	1,023	1,040	1,561	1,877	1,986
Occupancy less than 70 percent	Percent	34	30	35	22	22	20
70–100 percent	Percent	56	56	55	76	76	79
More than 100 percent	Percent	10	14	10	2	2	1
Personnel, total [2, 8]	Number	61,108	58,654	(NA)	32,921	37,411	(NA)
Expenditures [8, 9]	Mil. dol.	642.5	1,148.3	1,247.9	465.2	719.0	805.5
Capital	Mil. dol.	53.3	43.3	(NA)	25.9	45.5	(NA)
Operating	Mil. dol.	789.2	1,105.0	1,247.9	439.3	673.5	805.5
Per capita operating cost [10]	$1,000	16.5	22.0	25.2	15.4	21.3	24.3

NA Not available. [1] Includes adults. [2] Data for December 31, 1979, February 1, 1983, and February 1, 1985. [3] Includes races not reported and races not shown. [4] Based on juvenile residents only. [5] Data are for calendar years 1979, 1982, and 1984. [6] Juvenile and adult. [7] Occupancy is calculated on the average daily resident population. [8] 1979 includes community volunteers; 1983 generally includes volunteers; excludes 4,600 in California, and large but unspecified numbers in Ohio and South Carolina. [9] Current dollars, unadjusted for inflation. [10] Based on average daily residents.

Source: 1979, U.S. Law Enforcement Assistance Administration, unpublished data; 1983, U.S. Office of Juvenile Justice and Delinquency Prevention, *Children in Custody: Advance Report on the 1982 Census of Public Juvenile Facilities*; and *Children in Custody: Advance Report on the 1982 Census of Private Juvenile Facilities*; and *Children in Custody: Public Juvenile Facilities, 1985*.

No. 302. Jails—Summary: 1983

[As of February. Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. For composition of regions, see fig. I, inside front cover]

Characteristic	United States	Northeast	Midwest	South	West
Jails	**3,338**	**223**	**972**	**1,807**	**536**
With fewer than 50 inmates	2,111	68	745	980	318
With 50–249 inmates	1,013	114	193	542	164
With 250 or more inmates	214	41	34	85	54
With inmates being held for other authorities because of crowding	553	81	109	297	66
Number of inmates, total	223,551	36,634	39,536	89,479	57,900

Source: U.S. Bureau of Justice Statistics, *The 1983 Jail Census*, November 1984.

No. 303. Jail Inmates, by Race and Detention Status: 1978 to 1984

[See headnote, table 302. As of June 30. For the years 1982 and 1984 data based on sample survey and subject to sampling variability; 1978 and 1983, based on the National Jail Census]

Characteristic	1978	1982	1983	1984
Total inmates	158,394	209,582	223,552	234,500
Percent of rated capacity	65	84	85	90
Percent of operational capacity	64	95	81	(NA)
Male	148,839	195,730	207,783	227,465
Female	9,555	13,852	15,769	7,035
White	89,418	(NA)	130,118	138,355
Black	65,104	(NA)	87,508	93,800
Other races	3,872	(NA)	5,926	2,345
Hispanic [1]	18,349	(NA)	31,297	30,485
Non-Hispanic	142,045	(NA)	192,254	204,015
Adult	[2] 156,783	207,853	[2] 221,815	[2] 233,018
Awaiting arraignment or trial	77,453	118,189	113,984	116,331
Convicted	75,438	89,664	107,660	113,491
Juvenile	1,611	1,729	1,736	1,482
Awaiting hearing or adjudication	(NA)	1,274	(NA)	(NA)
Adjudicated	(NA)	455	(NA)	(NA)

NA Not available. [1] Hispanic persons may be of any race. [2] Includes inmates not classified by conviction status.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978*, and *Jail Inmates*, annual.

Digitized by Google

No. 304. Jail Inmates—Selected Characteristics: 1983

[See headnote, table 302]

CHARACTERISTIC	Total [1]	White	Black	CHARACTERISTIC	Total [1]	White	Black
Total inmates	**223,552**	**130,118**	**87,508**	Type of offense:			
Percent of rated capacity	85	(NA)	(NA)	Violent	67,439	34,897	31,055
Male	207,783	121,773	80,671	Property	84,730	47,616	35,011
Female	15,769	8,345	6,836	Drug	20,479	12,030	7,665
Median age (years)	26.6	26.7	26.9	Public order	45,251	32,401	11,513
Highest grade attended:				Legal representation:			
Less than 12th grade	132,116	74,311	54,135	With counsel	178,071	103,609	69,544
12th grade or higher	91,434	55,807	33,373	Without counsel	45,481	26,509	17,964
Prearrest employment status:				Detention status:			
Employed	119,103	72,369	43,908	Unconvicted inmates	86,120	47,564	38,654
Not employed	104,449	57,749	43,600	Convicted inmates	132,820	81,101	47,609
With prearrest income [2]	162,293	99,467	66,221	Method of conviction:			
Median income (dollars)	5,486	6,312	4,067	Pleaded guilty	106,966	68,163	35,630
				Judged guilty	25,654	12,938	11,979

NA Not available. [1] Includes races other than White and Black. [2] Pertains to inmates who were free at least one year prior to arrest.

Source: U.S. Bureau of Justice Statistics, *Jail Inmates, 1983*.

No. 305. Federal and State Prisoners: 1950 to 1986

Prior to 1970, excludes State institutions in Alaska and for 1950, those in Hawaii. Beginning 1980, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135-1140]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]	Number	Rate [1]
1950	166,123	110.3	17,134	11.4	148,989	98.9	69,473	46.1	14,237	9.5	55,236	36.7
1960	212,953	118.6	23,218	12.9	189,735	105.7	88,575	49.3	13,723	7.6	74,852	41.7
1965	210,895	109.5	21,040	10.9	189,855	98.6	67,505	45.4	12,761	6.6	74,724	38.8
1970	196,429	96.7	20,038	9.8	176,391	86.8	79,351	39.1	12,047	5.9	67,304	33.1
1975	240,593	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1980	315,974	139.2	20,611	9.1	295,363	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1982	395,516	170.6	23,652	10.2	371,864	160.4	177,109	76.1	12,481	5.4	164,648	70.7
1983	419,721	178.5	26,331	11.2	393,390	168.1	187,408	80.1	14,119	6.0	173,289	74.1
1984	445,399	188.0	27,602	12.0	417,797	176.0	180,418	76.0	13,491	5.7	166,927	70.3
1985	481,393	200.6	32,695	13.6	448,698	187.0	198,499	82.7	15,368	6.4	183,131	76.3
1986	523,922	216.0	36,531	15.0	487,391	201.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual.

No. 306. Federal and State Prisoners, by Sex and Race: 1978 to 1985

[Figures in this table will not add to the totals shown in tables 305 and 309 since these are based on preliminary statistics on race and are not subsequently revised]

ITEM	TOTAL			MALE			FEMALE			Unknown
	White	Black	Other	White	Black	Other	White	Black	Other	
1978	157,208	143,376	3,283	151,534	136,893	3,090	5,674	6,483	193	2,735
1979	161,642	145,383	3,677	155,803	138,776	3,468	5,839	6,607	209	3,304
1980	169,274	150,249	3,853	163,083	143,700	3,677	6,191	6,549	176	5,319
1981	190,503	168,129	4,477	183,202	160,442	4,240	7,301	7,687	237	5,663
1982	214,741	189,610	5,262	206,167	180,844	4,990	8,574	8,766	272	4,749
1983	225,902	200,216	5,663	216,522	191,020	5,336	9,380	9,196	327	5,457
1984	239,428	209,673	6,654	229,323	199,692	6,250	10,105	9,981	404	6,687
1985	260,847	227,137	6,694	249,418	216,344	6,260	11,429	10,793	414	7,698

Source: U.S. Bureau of Justice Statistics, 1978-1981, *Prisoners 1925-81*, 1982-1984, *Prisoners in State and Federal Institutions on December 31*, annual; 1985, *Corrections Statistics 1985*.

No. 307. State Correctional Facilities—Summary: 1984

ITEM	Number of facilities	INMATES		Total staff (full-time)	Operating expenditures ($1,000)
		Males	Females		
All facilities	**903**	**378,436**	**16,873**	**144,855**	**4,188,486**
Confinement facilities	694	366,132	15,823	140,959	4,082,753
Maximum	144	133,601	2,683	62,649	1,805,224
Medium	293	182,865	10,478	63,049	1,868,151
Minimum	257	49,666	2,662	15,261	409,378
Community based	209	12,304	1,050	3,696	105,733

Source: U.S. Bureau of Justice Statistics, *Census of State Adult Correctional Facilities, 1984*.

Digitized by Google

No. 308. Adults Under Correctional Supervision, 1979 to 1985, and by State, 1985

[In thousands, except rate. As of Dec. 31, except as noted. Excludes juveniles, persons incarcerated in mental health institutions in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction, parolees whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency). For composition of regions, see fig. I, inside front cover]

Year, region, division, and state	Persons under correctional supervision					Rate per 10,000 adult residents				
	Total	Jail [1]	Prison [2]	Parole [3]	Probation [4]	Total	Jail [1]	Prison [2]	Parole [3]	Probation [4]
1979	1,785.7	179.0	301.5	218.7	1,086.5	113	11	19	14	69
1980	1,845.5	191.0	316.0	220.4	1,118.1	115	12	20	14	69
1981	2,006.4	203.0	353.7	223.8	1,225.9	123	12	21	14	74
1982	2,185.7	207.9	395.9	224.6	1,357.3	131	12	24	13	80
1983	2,491.9	221.8	438.8	246.8	1,582.9	145	13	26	14	92
1984	2,705.5	233.0	464.6	267.0	1,740.9	156	13	27	15	100
1985, U.S. total [5]	**2,905.7**	**255.0**	**503.3**	**277.4**	**1,870.1**	**165**	**15**	**29**	**16**	**106**
Regions:										
Northeast	465.5	36.3	75.7	57.1	296.4	123	10	20	15	79
Midwest	553.2	39.2	95.7	42.3	376.0	128	9	22	10	87
South	1,196.3	88.6	202.9	109.4	795.4	200	15	34	18	133
West	545.2	57.7	88.7	51.7	347.1	156	17	25	15	99
New England	**107.8**	**4.3**	**15.4**	**6.3**	**81.8**	**112**	**4**	**16**	**7**	**85**
Maine	6.3	.5	1.2	.1	4.5	73	6	14	1	52
New Hampshire	4.8	.5	.7	.5	3.1	64	7	9	7	42
Vermont	6.2	–	.7	.2	5.3	109	–	18	13	78
Massachusetts	37.8	3.3	5.4	4.5	24.6	85	7	12	10	55
Rhode Island	9.2	–	1.3	.4	7.5	124	–	17	5	101
Connecticut	43.5	–	6.1	.6	36.8	180	–	25	2	152
Middle Atlantic	**357.8**	**32.1**	**60.2**	**50.9**	**214.6**	**127**	**11**	**21**	**18**	**76**
New York	176.7	15.9	34.7	25.3	100.8	132	12	26	19	75
New Jersey	79.2	6.0	11.3	13.4	48.5	139	11	20	24	85
Pennsylvania	101.9	10.2	14.2	12.2	65.3	114	11	16	14	73
East North Central	**408.1**	**30.0**	**72.6**	**31.2**	**274.2**	**134**	**10**	**24**	**10**	**90**
Ohio	96.0	7.1	20.9	6.5	61.5	122	9	27	8	78
Indiana	55.3	3.5	9.9	2.8	39.1	138	9	25	7	98
Illinois	113.0	8.8	18.6	11.4	74.2	134	10	22	14	88
Michigan	107.2	7.6	17.8	6.6	75.2	162	12	27	10	114
Wisconsin	36.6	3.0	5.4	3.9	24.3	105	9	15	11	70
West North Central	**145.0**	**9.1**	**23.1**	**11.2**	**101.8**	**113**	**7**	**18**	**9**	**80**
Minnesota	38.6	1.9	2.3	1.4	33.0	126	6	8	5	108
Iowa	17.7	.8	2.8	2.0	12.1	84	4	13	9	57
Missouri	44.9	3.8	9.9	4.5	26.8	121	10	27	12	72
North Dakota	2.4	.2	.4	.2	1.6	49	4	8	4	33
South Dakota	3.9	.3	1.0	.4	2.2	78	6	20	8	44
Nebraska	13.7	.8	1.8	.4	10.7	118	7	16	3	92
Kansas	23.8	1.3	4.7	2.3	15.5	133	7	26	13	87
South Atlantic	**595.4**	**44.7**	**108.2**	**35.9**	**406.6**	**197**	**15**	**36**	**12**	**135**
Delaware	10.6	–	2.6	.9	7.1	228	–	56	19	153
Maryland	92.0	4.6	13.0	7.3	67.1	279	14	39	22	204
District of Columbia	23.3	2.8	6.4	2.3	11.8	472	57	130	47	239
Virginia	40.5	5.6	12.1	5.6	17.2	95	13	28	13	40
West Virginia	7.2	1.0	1.7	.6	3.9	51	7	12	4	27
North Carolina	80.2	3.5	17.3	3.2	56.2	172	8	37	7	120
South Carolina	34.5	2.7	10.5	3.3	18.0	142	11	43	14	74
Georgia	129.2	10.2	16.0	8.5	94.5	299	24	37	20	219
Florida	177.9	14.3	28.6	4.2	130.8	201	16	32	5	148
East South Central	**126.4**	**16.7**	**30.3**	**16.8**	**62.7**	**115**	**15**	**28**	**15**	**57**
Kentucky	27.9	3.7	5.8	3.5	14.9	103	14	21	13	55
Tennessee	45.2	6.0	7.1	7.5	24.6	126	17	20	21	70
Alabama	34.4	4.5	11.0	2.4	16.5	118	15	38	8	57
Mississippi	18.9	2.5	6.4	3.4	6.6	104	14	35	19	36
West South Central	**474.4**	**27.4**	**64.3**	**56.6**	**326.1**	**253**	**15**	**34**	**30**	**174**
Arkansas	19.2	1.5	4.6	3.8	9.3	112	9	27	22	54
Louisiana	52.7	8.5	13.9	3.7	26.6	169	27	44	12	85
Oklahoma	32.4	2.2	8.3	1.6	20.3	136	9	35	7	85
Texas	370.1	15.2	37.5	47.5	269.9	320	13	32	41	233
Mountain	**101.1**	**10.0**	**22.8**	**8.8**	**59.5**	**108**	**11**	**24**	**9**	**63**
Montana	4.9	.4	1.1	.7	2.7	83	7	19	12	46
Idaho	5.8	.6	1.3	.5	3.4	85	9	19	7	50
Wyoming	3.1	.3	.8	.3	1.7	89	9	23	9	49
Colorado	25.7	2.7	3.4	2.0	17.6	109	11	14	8	74
New Mexico	8.9	1.3	2.3	1.1	4.2	88	13	23	11	42
Arizona	31.3	2.9	8.5	1.7	18.2	135	13	37	7	79
Utah	10.0	.9	1.6	1.2	6.3	97	9	16	12	61
Nevada	11.4	.9	3.8	1.3	5.4	159	13	53	18	75
Pacific	**444.0**	**47.6**	**65.9**	**42.9**	**287.7**	**174**	**19**	**26**	**17**	**113**
Washington	60.7	3.6	6.9	6.0	44.2	188	11	21	19	137
Oregon	31.2	2.3	4.5	2.0	22.4	158	12	23	10	113
California	336.2	41.7	50.1	34.0	210.4	188	23	28	19	118
Alaska	5.1	(z)	2.3	.2	2.6	145	–	66	6	74
Hawaii	10.8	–	2.1	.7	8.0	141	–	27	9	105

– Represents zero. Z Fewer than 50. [1] Source of 1979 and 1983 jail totals: Jail censuses. Source of totals for other years: Jail sample surveys, June 30 of each year. Source of State and regional jail populations: *The 1983 Jail Census*. Includes both convicted and unconvicted adults held in locally operated jails. Connecticut, Delaware, Hawaii, Rhode Island, and Vermont had integrated jail/prison systems; the total incarcerated population for those States appears as the prison population. [2] Includes all inmates of Federal and State institutions. [3] Includes all adults under State parole supervision, whether released from prison via parole board decision or mandatory release, who were sentenced to more than 1 year in prison. [4] Includes all adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency. [5] Includes both State and Federal.

Source: Except as noted, U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *The 1983 Jail Census*; and *Prisoners in State and Federal Institutions on December 31*, annual.

Digitized by Google

NO. 309. PRISONERS UNDER JURISDICTION OF STATE AND FEDERAL CORRECTIONAL AUTHORITIES—SUMMARY, BY STATE: 1980 TO 1986

[For years ending Dec. 31, except as noted]

SEX, REGION, DIVISION AND STATE	1980, total	1984, total	1985, total	1986		SENTENCED TO MORE THAN ONE YEAR				
									1986	
				Total prisoners	Prisoners as percent of capacity[1]	1980	1984	1985	Total	Rate per 100,000 population[2]
U.S.	329,821	464,567	503,271	546,659	115.9	315,974	446,108	481,393	523,922	216
Male	316,401	443,717	480,147	520,049	(NA)	303,643	426,713	459,934	499,140	423
Female	13,420	20,850	23,124	26,610	(NA)	12,331	19,395	21,459	24,782	20
Federal institutions[3]	24,363	34,263	40,223	44,408	143.2	20,811	27,602	32,695	36,531	15
State institutions	305,458	430,304	463,048	502,251	113.9	295,363	418,506	448,698	487,391	201
Region:										
Northeast	45,796	70,538	75,706	82,388	116.1	43,165	67,838	72,656	79,071	158
Midwest	66,211	85,890	95,704	103,101	120.6	64,494	85,460	95,245	102,689	173
South	146,358	193,971	202,926	215,713	106.2	142,650	188,634	195,868	206,374	249
West	47,093	79,905	88,712	101,049	125.2	45,054	76,574	84,929	97,257	198
N. Eng	9,926	13,929	15,432	16,718	142.9	7,850	11,322	12,490	13,437	105
ME[4]	814	1,025	1,226	[5] 1,318	123.9	671	840	967	[5] 1,165	99
NH	526	561	683	782	129.3	326	561	693	782	76
VT[6]	480	[7] 515	677	678	118.4	342	392	443	476	86
MA[8]	3,185	4,890	5,390	[5] 5,678	173.9	3,150	[5] 4,890	[5] 5,390	[5] [9] 5,878	97
RI[8]	813	1,221	1,307	1,361	96.8	811	891	964	1,010	103
CT[8]	4,308	5,718	6,149	6,905	148.2	2,750	3,748	4,043	4,326	135
Mid. Atl	35,870	56,608	60,274	65,670	110.9	35,315	56,516	60,166	65,634	176
NY	21,815	33,155	34,712	38,449	102.2	21,639	33,155	34,712	38,449	216
NJ[8]	5,256	10,363	11,335	12,020	114.2	5,564	10,363	11,335	12,020	157
PA	8,171	13,090	14,227	15,201	137.6	8,112	12,998	14,119	15,165	128
E. No. Cent	51,175	64,836	72,599	78,533	128.4	49,596	64,571	72,280	78,302	188
OH	13,489	18,694	20,864	22,463	169.1	13,489	[5] 18,694	[5] 20,864	[9] 22,463	209
IN	6,683	9,328	9,904	10,175	118.8	6,281	9,063	9,815	9,963	181
IL	11,899	17,187	18,634	[5] 19,456	110.1	10,724	17,187	18,634	[5] 19,456	168
MI[10]	15,124	14,604	17,755	20,742	123.6	15,124	14,604	17,755	20,742	227
WI	3,980	5,023	5,442	[5] 5,697	124.1	3,980	5,023	5,412	[5] 5,678	119
W. No. Cent	15,036	21,054	23,105	24,568	105.1	14,896	20,889	22,986	24,387	139
MN	2,001	2,187	2,343	2,462	96.1	2,001	2,187	2,343	2,462	58
IA[10]	2,481	2,836	2,832	2,777	99.0	2,479	2,836	2,832	2,777	96
MO	5,726	8,808	9,915	10,485	90.5	5,726	8,808	9,915	10,485	206
ND	253	434	422	421	89.4	185	374	375	361	53
SD	635	917	1,047	1,045	91.9	609	900	1,035	1,014	143
NE	1,446	1,854	1,814	1,953	127.1	1,402	1,566	1,733	1,863	116
KS	2,494	4,238	4,732	5,425	131.8	2,494	4,238	4,732	5,425	220
So. Atl	78,815	101,643	108,228	116,341	110.2	75,391	96,710	101,620	109,390	265
DE[8]	1,474	2,200	2,553	2,828	114.0	1,087	1,615	1,759	2,026	324
MD[8]	7,731	13,124	13,005	13,326	118.5	7,731	12,442	12,303	12,559	280
DC[8] [10]	3,145	4,834	6,404	6,746	101.2	2,719	4,031	4,804	4,786	753
VA[11]	8,920	10,667	12,073	[5] 12,930	117.3	8,581	10,493	11,717	[5] 12,545	215
WV	1,257	1,599	1,725	[5] [9] 1,482	[5] 91.0	1,257	1,599	1,725	1,482	77
NC[8]	15,513	18,371	17,344	17,782	107.2	14,456	15,219	16,007	16,460	258
SC	7,862	10,011	10,510	[5] 11,876	129.7	7,427	9,434	9,908	[5] 11,022	324
GA[10]	12,178	15,731	18,014	17,363	106.4	11,922	14,944	15,115	18,291	265
FL[10]	20,735	27,106	28,600	32,226	107.9	20,211	26,933	28,482	32,219	272
E. So. Cent	21,055	29,401	30,335	31,961	100.7	20,771	29,024	29,985	31,573	207
KY	3,586	[5] 5,502	5,801	[5] 6,322	106.3	3,586	5,502	5,801	[5] 6,322	169
TN[8] [10]	7,022	7,302	7,127	7,182	92.1	7,022	7,302	7,127	7,182	149
AL	8,543	10,482	11,015	[5] 11,710	107.9	8,368	10,246	10,749	[5] 11,504	283
MS	3,902	6,115	6,392	[5] 6,747	100.0	3,793	5,974	6,208	[5] 6,565	249
W. So. Cent	46,488	62,927	64,363	67,411	102.4	46,488	62,900	64,363	67,411	249
AR[8]	2,911	4,454	4,811	4,701	101.8	2,911	4,427	[5] 4,611	[9] 4,701	198
LA	8,889	13,919	13,890	[5] 14,580	100.5	8,889	13,919	13,890	[5] 14,580	322
OK	4,796	7,872	8,330	9,596	128.9	4,796	7,872	[5] 8,330	[9] 9,596	288
TX[10]	29,892	36,682	37,532	38,534	97.9	29,892	36,682	37,532	38,534	228
Mt	13,141	21,278	22,798	25,595	101.9	13,024	20,852	22,329	25,005	200
MT	739	1,005	1,129	1,111	106.1	738	1,005	1,129	1,111	135
ID	817	1,282	1,294	[5] 1,451	112.5	817	1,282	1,294	[5] 1,451	144
WY	534	[5] 724	758	865	91.1	534	724	758	865	170
CO[8]	2,629	3,364	3,369	3,873	97.7	2,609	3,347	[5] 3,369	[5] 3,873	111
NM	1,279	2,129	2,313	2,701	109.3	1,199	1,908	2,112	2,545	170
AZ	4,372	7,845	8,531	9,434	95.2	4,360	7,636	8,273	9,038	268
UT	932	1,419	1,633	[5] 1,845	106.0	926	1,407	1,623	[5] 1,817	108
NV	1,839	3,510	3,771	4,505	115.2	1,839	3,510	3,771	4,505	462
Pac	33,952	58,627	65,914	75,464	137.5	32,030	55,753	62,600	72,252	200
WA	4,399	6,821	6,909	[5] 8,603	115.8	4,399	6,821	6,909	[5] 8,603	147
OR	3,177	4,563	4,454	4,737	142.8	3,172	4,563	4,454	4,737	175
CA[10]	24,569	43,314	50,111	[5] 59,484	141.9	23,264	41,780	48,279	[5] 57,725	212
AK[8]	822	1,995	2,329	2,460	105.3	571	1,290	1,530	1,666	306
HI[8]	985	1,934	2,111	2,180	174.1	624	1,299	1,428	1,521	142

NA Not available. [1] States can report three estimates of prison capacity: rated, operational, and design. Some States report fewer estimates or the same number for all estimates. Excludes persons housed in local jails. [2] Unpublished Bureau of the Census estimates as of July 1, 1986 for the resident population were used to calculate rates. [3] Includes persons held under other jurisdiction, not shown separately. [4] State estimated number of prisoners with sentences of 2 years or more instead of more than 1 year: ME, MD, and NC. [5] Includes prisoners held in jails because of crowding: ME, MA, IL, WI, VA, SC, KY, AL, MS, LA, ID, UT, CA, and WA. [6] Includes both jail and prison inmates (State has combined jail and prison system). [7] Yearend Dec. 21. [8] Excludes State prisoners held in local jails because of overcrowding. [9] Includes an undetermined number of prisoners with sentences shorter than 1 year. [10] Numbers are custodial, not jurisdictional counts. [11] Yearend 1985, Jan. 3, 1986. [12] Capacity figures for males only.

Source: U.S. Bureau of Justice Statistics, *Prisoners in 1986*, and earlier reports.

Digitized by Google

NO. 310. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME, 1970 TO 1986, AND BY OFFENSE, 1986

[For **fiscal years ending in year shown**; see text, section 9. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES [1]			PAROLE [2]			EXPIRATION OF SENTENCE [1, 2]			YCA [3] RELEASES	
	Number	Average time (month)		Number	Average time (month)		Number	Average time (month)		Number	Avg. time served (month)
		Sentence	Served		Sentence	Served		Sentence	Served		
1970, all offenses	8,487	38.6	19.7	2,754	55.0	20.0	5,733	30.7	19.6	947	21.7
1975, all offenses	11,313	39.8	18.5	4,367	73.7	27.8	6,946	18.5	12.6	1,136	21.8
1976, all offenses	10,463	32.3	15.1	3,114	74.3	26.9	7,349	14.4	10.1	958	19.7
1977, all offenses	10,953	30.7	15.5	2,688	70.8	26.5	8,265	17.7	12.0	1,038	21.9
1978, all offenses	12,132	37.2	18.7	3,318	78.5	30.0	8,814	21.6	14.4	1,172	24.7
1979, all offenses	10,925	44.1	21.0	3,766	85.1	32.6	7,159	22.4	14.9	1,008	25.3
1980, all offenses	9,069	33.9	15.9	2,440	83.8	31.0	6,629	15.5	10.3	468	24.5
1981, all offenses	9,884	41.0	17.9	3,495	83.9	30.2	6,389	17.6	11.1	650	25.0
1982, all offenses	11,348	36.6	16.3	3,554	81.7	29.1	7,794	16.0	10.5	593	21.6
1983, all offenses	11,896	35.4	15.9	4,263	69.8	27.0	7,633	16.3	9.7	545	20.0
1984, all offenses	15,050	35.5	15.6	4,635	76.2	26.4	10,415	17.4	10.6	552	20.2
1985, all offenses	14,937	35.5	15.9	4,511	76.6	26.6	10,426	17.7	11.3	453	21.5
1986, all offenses [4]	**16,996**	**34.0**	**15.6**	**4,657**	**76.6**	**26.7**	**12,339**	**18.0**	**11.4**	**293**	**24.0**
Counterfeiting	270	33.6	15.9	94	55.5	19.5	176	21.9	14.0	6	25.0
Drug laws	4,793	43.2	19.5	1,961	68.7	24.4	2,832	25.6	16.1	86	20.6
Embezzlement	333	23.8	11.4	91	51.1	19.1	242	13.6	8.4	5	15.2
Escape, flight, or harboring a fugitive	111	30.5	16.9	21	47.1	22.3	90	26.7	18.1	5	15.0
Firearms	654	32.7	17.7	124	65.3	25.2	530	25.0	16.0	12	23.9
Forgery	470	29.0	14.8	171	49.1	19.9	299	17.6	11.9	11	19.2
Fraud	1,247	27.8	13.6	366	54.7	20.1	881	16.6	10.8	5	26.4
Immigration	4,015	5.8	3.7	206	39.1	14.6	3,809	4.0	3.1	4	20.2
Income tax	359	18.3	10.3	85	36.5	14.4	274	12.6	9.0	-	-
Kidnapping	29	251.6	85.7	19	327.0	109.5	10	108.3	40.5	5	37.6
Larceny-theft	1,330	36.9	18.3	467	59.8	23.1	863	24.5	15.8	32	17.7
Motor vehicle, interstate	225	45.4	22.1	102	56.0	21.7	123	36.7	22.4	6	19.0
Robbery	866	128.5	46.5	518	165.6	50.5	348	73.3	40.5	64	25.4
Securities, transporting false	31	55.9	40.6	8	126.0	43.3	23	31.5	15.5	-	-
White slave traffic	5	48.0	26.0	2	42.0	15.0	3	52.0	33.3	1	8.0
Military court-martial cases	11	150.7	66.0	6	185.0	64.3	5	109.6	68.2	-	-
Govt. reservation, high seas, territories, and DC	1,070	31.0	14.5	172	105.5	34.6	898	16.7	10.7	38	33.3

- Represents zero. [1] Excludes prisoners sentenced under Youth Corrections Act. [2] Includes mandatory release. [3] Youth Corrections Act. [4] Includes other offenses not shown separately. Excludes 437 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 608 second or subsequent releases.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

NO. 311. PRISONERS UNDER SENTENCE OF DEATH: 1980 TO 1986

[As of **December 31**. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 312 because of revisions to totals, but not to characteristics other than race]

CHARACTERISTIC	1980	1983	1984	1985	1986
Total	**714**	**1,202**	**1,405**	**[1] 1,575**	**1,781**
White	427	690	804	896	1,006
Black and other	287	512	601	679	775
Under 20 years	11	12	11	13	19
20–24 years	173	217	215	212	217
25–34 years	334	597	702	804	872
35–54 years	186	359	453	531	639
55 years and over	10	17	24	31	34
Years of school completed:					
7 years or less	68	99	121	147	164
8 years	74	123	137	159	174
9–11 years	204	358	401	483	577
12 years	162	319	385	440	515
More than 12 years	43	88	110	127	143
Unknown	183	215	251	235	208
Marital status:					
Never married	268	484	570	655	772
Married	229	366	443	487	525
Divorced [2]	217	350	392	449	484
Time elapsed since sentencing:					
Less than 12 months	185	251	279	273	293
12–47 months	389	622	694	739	757
48–71 months	102	186	226	303	376
72 months and over	38	143	204	276	355
Legal status at arrest:					
Not under sentence	384	605	739	861	992
Parole or probation	115	225	279	[3] 350	[3] 409
Prison or escaped	45	58	66	81	92
Unknown	170	314	321	299	288

[1] Revisions to the total number of prisoners were not carried to the characteristics except for race. [2] Includes persons married but separated, widows, widowers, and unknown. [3] Includes 20 persons on mandatory conditional release, work release, leave, AWOL, or bail.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

Digitized by Google

NO. 312. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1970 TO 1986

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1977, all data except executions are not strictly comparable to corresponding data for earlier years. See source for explanation]

STATUS	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Under sentence of death, Jan. 1	575	244	420	423	483	595	697	865	1,072	1,218	1,420	1,575
Received death sentence [1]	133	322	159	210	173	203	250	287	263	296	281	297
White	66	145	82	123	104	125	131	166	156	173	165	164
Black	66	174	75	85	67	77	115	117	105	119	114	123
Dispositions other than executions	77	78	155	150	59	101	82	76	117	69	108	73
Executions	–	–	1	–	2	–	1	2	5	21	18	18
Under sentence of death, Dec. 31 [1]	631	486	423	483	595	697	864	1,073	1,214	1,420	1,575	1,781
White	293	218	229	281	354	425	499	615	694	809	896	1,006
Black	335	262	192	198	238	268	357	446	508	595	664	750

– Represents zero. [1] Includes races other than White or Black.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 313. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1986

[Excludes executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1950, 3 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155–1167]

YEAR OR PERIOD	Total [1]	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES [2]		
				Total [1]	White	Black	Total [1]	White	Black	Total [1]	White	Black
All years	**3,909**	**1,784**	**2,083**	**3,384**	**1,697**	**1,647**	**455**	**48**	**405**	**70**	**39**	**31**
1930–1939	1,667	827	816	1,514	803	687	125	10	115	28	14	14
1940–1949	1,284	490	781	1,064	458	595	200	19	179	20	13	7
1950–1959	717	336	378	601	318	280	102	13	89	14	7	7
1960–1964	181	90	91	145	79	66	28	6	22	8	5	3
1965–1967	10	8	2	10	8	2	–	–	–	–	–	–
1968–1976	–	–	–	–	–	–	–	–	–	–	–	–
1977–1980	3	3	–	3	3	–	–	–	–	–	–	–
1981	1	1	–	1	1	–	–	–	–	–	–	–
1982	2	1	1	2	1	1	–	–	–	–	–	–
1983	5	4	1	5	4	1	–	–	–	–	–	–
1984	21	13	8	21	13	8	–	–	–	–	–	–
1985	16	11	7	18	11	7	–	–	–	–	–	–
1986	18	11	7	18	11	7	–	–	–	–	–	–

– Represents zero. [1] Includes races other than White or Black. [2] 25 armed robbery, 20 kidnapping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 314. PRISONERS UNDER SENTENCE OF DEATH AND EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1986

[No executions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1986. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota allowed the punishment statute to lapse in 1975. Alaska and Hawaii could enter these data after receiving statehood in 1959, but neither has authorized the death penalty]

STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1986 [2]	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1986 [2]	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 [1]	1980 to 1986 [2]
Total [3]	**1,284**	**717**	**191**	**3**	**65**	IA	7	1	2	–	–	OH	51	32	7	–	–
						KS	5	5	5	–	–	OK	13	7	8	–	–
AL	50	20	5	–	2	KY	34	18	1	–	–	OR	12	4	1	–	–
AZ	9	8	4	–	–	LA	47	27	11	–	7	PA	36	31	3	–	–
AR	38	18	9	–	–	MD	45	8	1	–	–	SC	61	26	8	–	2
CA	80	74	30	–	–	MA	9	–	–	–	–	SD	1	–	–	–	–
CO	13	3	8	–	–	MS	60	36	10	–	1	TN	37	8	1	–	–
CT	10	5	1	–	–	MO	15	7	4	–	–	TX	74	74	29	–	20
DE	4	–	–	–	–	MT	1	–	–	–	–	UT	4	8	1	1	–
DC	18	4	–	–	–	NE	2	2	–	–	–	VT	1	2	–	–	–
FL	95	49	12	1	15	NV	10	9	2	1	1	VA	35	23	6	–	5
GA	130	85	14	–	7	NJ	14	17	3	–	–	WA	16	8	2	–	–
ID	–	3	–	–	–	NM	2	3	1	–	–	WV	11	9	–	–	–
IL	18	9	2	–	–	NY	114	52	10	–	–	WY	2	–	1	–	–
IN	7	2	1	–	2	NC	112	19	1	–	3						

– Represents zero. [1] One execution in 1977, none in 1978, and two in 1979. [2] No executions in 1980, one in 1981, two in 1982, five in 1983, 21 in 1984, and 18 in 1985 and 1986. [3] Includes 23 Federal executions not shown by State (1940–1949, 13; 1950–1959, 9; and 1960–1969, 1).

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

Digitized by Google

No. 315. Fire Losses—Total and Per Capita: 1946 to 1986

[Prior to 1962, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1953, incurred losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita [1]	YEAR	Total (mil. dol.)	Per capita [1]	YEAR	Total (mil. dol.)	Per capita [1]
1946–1950	643	1960	1,108	$6.19	1969	1,952	$9.71	1978	4,008	$18.05
1951–1955	833	1961	1,209	6.64	1970	2,328	11.41	1979	4,851	21.60
1956–1960	1,045	1962	1,265	6.80	1971	2,316	11.20	1980	5,579	24.55
1961–1965	1,341	1963	1,406	7.48	1972	2,304	11.01	1981	5,625	24.50
1966–1970	1,863	1964	1,367	7.16	1973	2,639	12.49	1982	5,894	25.41
1971–1975	2,728	1965	1,456	7.51	1974	3,190	14.95	1983	6,320	26.98
1976–1980	4,352	1966	1,497	7.64	1975	3,190	14.81	1984	7,602	32.15
1981–1985	6,639	1967	1,707	8.66	1976	3,558	16.35	1985	7,753	32.47
		1968	1,830	9.20	1977	3,764	17.13	1986	8,330	34.55

[1] Based on Bureau of the Census estimated resident population as of July 1.

Source: 1946–1964, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses;* thereafter, Insurance Information Institute, New York, NY, *Insurance Facts*, annual.

No. 316. Fires—Number and Loss, by Type and Property Use: 1980 to 1985

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)						PROPERTY LOSS (mil. dol.)					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Fires, total	**2,988**	**2,893**	**2,538**	**2,327**	**2,343**	**2,371**	**6,254**	**6,676**	**6,432**	**6,598**	**6,707**	**7,324**
Structure	1,065	1,027	946	869	848	860	5,454	5,976	5,731	5,826	5,891	6,437
Outside of structure [1]	87	81	54	49	45	51	61	61	52	35	29	69
Brush and rubbish	1,115	1,052	832	756	790	832	–	–	–	–	–	–
Vehicle	472	466	443	447	455	456	685	594	591	694	749	792
Other	249	267	263	206	205	172	54	45	58	43	38	32
Structure by property use:												
Public assembly	29	28	26	25	24	24	326	356	381	354	336	462
Educational	20	20	17	11	12	13	101	184	161	103	122	114
Institutional	26	27	24	23	22	23	25	38	17	14	18	17
Stores and offices	62	65	56	50	49	49	645	842	510	686	654	654
Residential	758	733	676	642	623	622	3,042	3,259	3,253	3,306	3,440	3,774
1–2 family units [2]	591	574	538	524	506	502	2,447	2,713	2,794	2,792	2,945	3,217
Apartments	143	137	117	102	99	104	401	415	353	413	417	476
Hotels and motels	12	12	10	9	9	8	154	99	84	64	50	56
Other residential	12	10	11	7	9	8	40	32	22	37	28	25
Storage [2]	65	62	54	48	48	52	512	616	584	473	536	683
Industry, utility, defense [2]	55	49	42	36	35	36	672	775	663	769	631	572
Special structures	48	43	44	34	35	41	131	106	162	127	154	161

– Represents zero. [1] Includes outside storage, crops, timber, etc. [2] Includes mobile homes. [3] Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States During 1985", *Fire Journal*, September 1986 and prior issues. (Copyright.)

No. 317. Fires and Property Loss for Incendiary and Suspicious Fires; and Civilian Fire Deaths and Injuries by Selected Property Type: 1980 to 1985

[Based on sample survey of fire departments]

ITEM	1980	1983	1984	1985
NUMBER (1,000)				
Structure fires, total	**1,065**	**869**	**848**	**860**
Structure fires of incendiary or suspicious origin	146	122	110	117
Fires of incendiary origin	92	73	66	69
Fires of suspicious origin	54	49	44	48
PROPERTY LOSS [1] (mil. dol.)				
Structure fires, total	**5,454**	**5,826**	**5,891**	**6,437**
Structure fires of incendiary or suspicious origin	1,760	1,421	1,417	1,670
Fires of incendiary origin	1,158	948	883	1,069
Fires of suspicious origin	602	475	534	601

ITEM	1980	1983	1984	1985
CIVILIAN FIRE DEATHS				
Deaths, total [2]	**6,505**	**5,920**	**5,240**	**6,185**
Residential property	5,446	4,820	4,240	5,025
One- and two-family dwellings	4,175	3,825	3,290	4,020
Apartments	1,025	845	785	865
Vehicles	740	725	630	825
CIVILIAN FIRE INJURIES				
Injuries, total [2]	**30,200**	**31,275**	**28,125**	**28,425**
Residential property	21,000	21,450	19,275	19,825
One- and two-family dwellings	16,100	16,450	15,100	15,250
Apartments	3,600	4,300	3,650	3,925
Vehicles	4,075	3,800	3,600	3,600

[1] Direct property loss only. [2] Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "Fire Loss in the United States During 1985", *Fire Journal*, September 1986 and prior issues. (Copyright.)

Digitized by Google



Section 6

Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use and ownership, water consumption, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

Area.—Area measurements were first conducted for the United States as a whole, and gradually were extended to the individual States. The annual report of the U.S. General Land Office for 1850 contained the first reference to measurements of areas of the States and Territories. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time, an account was given of the methods and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States: 1940,* in which data were presented on the total land and inland water areas of the States, counties, places, and minor civil divisions. Since the 1940 census, the Bureau has published area measurement figures in each succeeding census. In 1964, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1960 census. The results were published in *Area Measurement Reports,* series GE-20, a series of State reports and a U.S. summary. For 1980, the areas of all States and counties were completely remeasured, using newer large-scale maps and more modern equipment. The land area results for these areas are published in *1980 Census of Population,* vol. 1, chapter A reports (series PC80-1-A). Data for places and selected minor civil divisions with a population of 2,500 and over, metropolitan areas, and urbanized areas as well as States and counties are contained in the U.S. summary report. Data for States, counties, and the selected places and MCDs also are available on public use tape *Master Area Reference File* (MARF) 2.

Geography.—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, land use/land cover, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the National Cartographic Information Center, water resources data through a multi-volume *Catalog of Information on Water Data,* and a variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey.*

The National Ocean Service, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, to maintain a basic network of geodetic control, and to compile other basic data for engineering, scientific, commercial, industrial, and defense needs.

An inventory of the nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982. The results, published in the *1982 National Inventory of Land Resources,* cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas and are available as of the specific census. An inventory of most of these areas was published for the 1980 Census in *Geographic Identification Code Scheme* (PHC80-R5) and for the 1982 economic censuses in *Geographic Reference Manual* (EC82-R-1). The Census Bureau maintains a current inven-

Digitized by Google

tory of political units and, for many entities, their legal boundaries through its Boundary and Annexation Survey.

Environment.—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The CEQ has also published unique compilations of environmental data in *Environmental Statistics, 1979*, and *Environmental Trends*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1960's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and local operated air monitoring networks. The Network determines the extent and nature of air pollutio and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxid photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfa data indicates that a change is necessary. The standard for photochemical oxidants now call ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in Octol 1978. Table 331 gives some of the health-related standards for the six air pollutants hav NAAQS. Responsibility for demonstrating compliance with or progress toward achieving th standards lies with the State agencies. There are approximately 2,100 non-Federal sampling s tions for suspended particulates, 550 for sulfur dioxide, 360 for carbon monoxide, 525 for ozc 240 for nitrogen dioxide, and 240 for lead. Data from these State networks are periodically sub ted to EPA's National Aerometric Data Bank for summarization in annual reports on the nation status and trends in air quality; for details, see *National Air Quality and Emissions Trends Re 1985*.

Pollution abatement and control expenditures.—Data on expenditures for pollution abate and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on n al expenditures for pollution abatement and control and presents the data in its *Survey of C Business*. The U.S. Bureau of the Census collects data on State and local government and in expenditures on control activities. Data on government expenditures were reported in the *Environmental Quality Control: Government Finances*, which was discontinued after the rep fiscal year 1980. Industry data are reported annually in *Current Industrial Reports*. CEQ put data in *Environmental Quality*.

Climate.—NOAA, through the National Weather Service and the National Environmental S Data and Information Service, is responsible for data on climate. NOAA maintains about weather stations, of which over 3,000 produce autographic precipitation records, about 6(hourly readings of a series of weather elements, and the remainder record data once a day data are reported monthly in the *Climatological Data* (published by State), and monthly and ly in the *Local Climatological Data* (published by location for major cities).

The climatological temperature, precipitation, and degree day normals listed in this pu are derived for comparative purposes and are averages for the 30-year period, 1951-80. tions that did not have continuous records for the entire 30 years from the same instrum the normals have been adjusted to provide representative values for the current location. T mation in all other tables is based on data from the beginning of the record at that locatio 1985, except as noted.

The degree day normals are used to determine relative estimates of heating and coolin ments for buildings. Each degree that the average temperature for a day is below 65 produces one heating degree day. For example, if the maximum temperature is 70 degr the minimum temperature is 52 degrees F, the average temperature for the day is 61 de sulting in four (4) heating degree days. Cooling degree days are calculated in a similar each degree that the average temperature is above 65 degrees F. The monthly degre mals represent the average accumulation of the daily values for the month.

Historical statistics.—Tabular headnotes provide cross- references, where applicable *cal Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States may also be found in *State and Metropolitan Area Data Book 1986*. For cross-reference pendix V.

Digitized by Google

Figure 6.1 Territorial Expansion of the United States and Acquisitions of Other Principal Areas

(See table 319)

Digitized by Google

NO. 318. AREA OF STATES AND OTHER AREAS: 1980

[One sq. mile = 2.59 sq. kilometers. See *Historical Statistics, Colonial Times to 1970*, series A 210-263, for land area]

DIVISION AND STATE OR OTHER AREA	Year admitted to statehood	TOTAL AREA			LAND AREA [1]		WATER AREA [2]	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States	(x)	(x)	**3,618,770**	**9,372,614**	**3,539,289**	**9,166,759**	**79,481**	**205,856**
New England	(x)	(x)	**66,672**	**172,681**	**63,012**	**163,201**	**3,660**	**9,480**
Maine	1820	39	33,265	86,156	30,995	80,277	2,270	5,879
New Hampshire	[3] 1788	44	9,279	24,032	8,993	23,292	286	739
Vermont	1791	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	[3] 1788	45	8,284	21,456	7,824	20,265	460	1,191
Rhode Island	[3] 1790	50	1,212	3,140	1,055	2,732	158	409
Connecticut	[3] 1788	48	5,018	12,997	4,872	12,618	147	381
Middle Atlantic	(x)	(x)	**102,203**	**264,707**	**99,733**	**258,306**	**2,470**	**6,399**
New York	[3] 1788	30	49,108	127,190	47,377	122,707	1,731	4,483
New Jersey	[3] 1787	46	7,787	20,169	7,468	19,342	319	827
Pennsylvania	[3] 1787	33	45,308	117,348	44,888	116,260	420	1,088
East North Central	(x)	(x)	**246,540**	**643,719**	**243,961**	**631,859**	**4,579**	**11,860**
Ohio	1803	35	41,330	107,044	41,004	106,201	325	843
Indiana	1816	38	36,185	93,720	35,932	93,064	253	656
Illinois	1818	24	56,345	145,934	55,645	144,120	700	1,813
Michigan	1837	23	58,527	151,586	56,954	147,511	1,573	4,073
Wisconsin	1848	26	56,153	145,436	54,426	140,964	1,727	4,473
West North Central	(x)	(x)	**517,825**	**1,341,186**	**508,132**	**1,316,063**	**9,693**	**25,103**
Minnesota	1858	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa	1846	25	56,275	145,753	55,965	144,950	310	803
Missouri	1821	19	69,697	180,516	68,945	178,566	752	1,948
North Dakota	1889	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota	1889	16	77,116	199,730	75,955	196,715	1,164	3,015
Nebraska	1867	15	77,355	200,350	76,644	198,508	711	1,842
Kansas	1861	14	82,277	213,098	81,778	211,805	499	1,293
South Atlantic	(x)	(x)	**278,920**	**722,420**	**266,910**	**691,296**	**12,017**	**31,124**
Delaware	[3] 1787	49	2,045	5,295	1,932	5,005	112	290
Maryland	[3] 1788	42	10,460	27,092	9,837	25,477	623	1,614
District of Columbia	(x)	(x)	69	178	62	161	6	16
Virginia	[3] 1788	36	40,767	105,586	39,704	102,832	1,063	2,753
West Virginia	1863	41	24,232	62,760	24,119	62,468	112	292
North Carolina	[3] 1789	28	52,669	136,413	48,843	126,504	3,826	9,909
South Carolina	[3] 1788	40	31,113	80,582	30,203	78,227	909	2,355
Georgia	[3] 1788	21	58,910	152,576	58,056	150,365	854	2,211
Florida	1845	22	58,664	151,939	54,153	140,256	4,511	11,683
East South Central	(x)	(x)	**181,947**	**471,243**	**178,824**	**463,154**	**3,123**	**8,089**
Kentucky	1792	37	40,410	104,660	39,669	102,743	740	1,917
Tennessee	1796	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	1819	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	1817	32	47,689	123,515	47,233	122,333	457	1,183
West South Central	(x)	(x)	**437,701**	**1,133,646**	**427,271**	**1,106,633**	**10,430**	**27,013**
Arkansas	1836	27	53,187	137,754	52,078	134,863	1,109	2,872
Louisiana	1812	31	47,752	123,677	44,521	115,310	3,230	8,367
Oklahoma	1907	18	69,956	181,186	68,855	177,817	1,301	3,369
Texas	1845	2	266,807	691,030	262,017	678,623	4,790	12,405
Mountain	(x)	(x)	**863,563**	**2,236,628**	**855,193**	**2,214,951**	**8,369**	**21,677**
Montana	1889	4	147,046	380,848	145,388	376,555	1,658	4,293
Idaho	1890	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	1890	9	97,809	253,326	96,989	251,202	820	2,124
Colorado	1876	8	104,091	269,596	103,595	268,311	496	1,285
New Mexico	1912	5	121,593	314,925	121,335	314,258	258	668
Arizona	1912	6	114,000	295,260	113,508	293,988	492	1,273
Utah	1896	11	84,899	219,889	82,073	212,589	2,826	7,319
Nevada	1864	7	110,561	286,352	109,894	284,624	667	1,728
Pacific	(x)	(x)	**921,392**	**2,386,406**	**896,253**	**2,321,295**	**25,140**	**65,111**
Washington	1889	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	1859	10	97,073	251,419	96,184	249,117	889	2,302
California	1850	3	158,706	411,049	156,299	404,814	2,407	6,235
Alaska	1959	1	591,004	1,530,700	570,833	1,478,458	20,171	52,242
Hawaii	1959	47	6,471	16,759	6,425	16,641	46	119
Other areas:								
Puerto Rico	(x)	(x)	3,515	9,104	3,459	8,959	56	145
American Samoa	(x)	(x)	77	199	77	199	–	–
Guam	(x)	(x)	209	541	209	541	–	–
Virgin Islands of the U.S.	(x)	(x)	132	342	132	342	1	3
Pacific Islands, Trust Territory of the [4]	(x)	(x)	533	1,381	533	1,381	–	–
No. Mariana Islands [4]	(x)	(x)	184	477	184	477	–	–

– Represents zero. X Not applicable. [1] Dry land and land temporarily or partially covered by water, such a swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 a [2] Permanent inland water surface, such as lakes, reservoirs, and ponds having an area of 40 acres or more; strea estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other c behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands under 40 a Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water. [3] Year of Constitution; one of the original 13 States. [4] Under trusteeship; see table 3, footnote 5.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. I, part A (PC80-1-A), and unpu

Digitized by Google

No. 319. Territorial Expansion of the United States and Acquisitions of Other Areas

[One square mile = 2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1980. See also *Historical Statistics, Colonial Times to 1970*, series J 1–2]

ACCESSION	Acquisition date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.
Total	(x)	**3,623,434**	**9,384,694**
United States	(x)	3,616,770	9,372,614
Territory in 1790 [1]	(x)	891,364	2,308,633
Louisiana Purchase	1803	831,321	2,153,121
Purchase of Florida	1819	89,866	180,953
Texas	1845	384,958	997,041
Oregon	1848	283,439	734,107
Mexican Cession	1848	530,706	1,374,529
Gadsden Purchase	1853	29,640	76,768
Alaska	1867	591,004	1,530,700
Hawaii	1898	6,471	16,760
Other areas:			
Puerto Rico	[2] 1898	3,515	9,104
Guam	[2] 1898	209	541
American Samoa	[4] 1899	77	199
Virgin Islands of the U.S	1917	132	342
Pacific Islands, Trust Territory of the [5]	1947	533	1,380
No. Mariana Islands [5]	1947	184	477
All other [6]	(x)	14	36

X Not applicable. [1] Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. [2] Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. [3] Acquired 1898; ratified 1899. [4] Acquired 1899; ratified 1900. [5] Land area only. Under trusteeship; see table 3, footnote 5. [6] Comprises the following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), and Kingman Reef (less than .5). Excludes Canton and Enderbury Islands (combined area 27 sq. mi. or 73 sq. km.), which are considered to be under the jurisdiction of Kiribati since 1979, and Swan Islands (1 sq. mi.), which were returned to Honduras in 1972.

Source: U.S. Bureau of the Census, unpublished data.

No. 320. Land Utilization, by Type: 1959 to 1982

[See *Historical Statistics, Colonial Times to 1970*, series J 50–66, J 71, and J 76, for similar data]

TYPE	LAND (mil. acres)					PERCENT				
	1959	1969	1974	1978	1982	1959	1969	1974	1978	1982
Total land area [1]	**2,271**	**2,264**	**2,264**	**2,264**	**2,265**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
LAND USE										
Cropland used for crops [2]	359	333	361	369	383	15.8	14.7	16.0	16.3	16.9
Idle cropland	33	51	21	26	21	1.5	2.3	.9	1.1	.9
Cropland used only for pasture	66	88	83	76	65	2.9	3.9	3.7	3.4	2.9
Grassland pasture [3]	633	604	598	587	597	27.9	26.7	26.4	25.9	26.4
Forest land [4]	728	723	718	703	655	32.1	31.9	31.7	31.1	28.9
Special uses	146	172	182	158	[5] 270	6.4	7.6	8.0	7.0	[5] 11.9
Urban areas [6]	24	31	35	(7)	(7)	1.1	1.4	1.5	(7)	(7)
Transportation areas [8]	25	26	26	27	27	1.1	1.2	1.2	1.2	1.2
Recreation areas [9]	44	49	52	57	[5] 116	1.9	2.2	2.3	2.5	[5] 5.1
Wildlife areas [10]	17	32	36	41	[5] 95	.8	1.4	1.6	1.8	[5] 4.2
National defense and industrial [11]	26	26	25	25	24	1.1	1.1	1.1	1.1	1.1
Farmsteads, farm roads, and lanes	10	8	8	8	8	.4	.4	.4	.4	.4
Other land [12]	306	293	301	[7] 345	[5] [7] 274	13.5	12.9	13.2	[7] 15.2	[5] [7] 12.1
LAND OWNERSHIP										
Private land [13]	1,332	1,317	1,316	1,315	1,329	58.7	58.2	58.1	58.1	58.7
Indian lands [14]	53	50	51	52	51	2.3	2.2	2.3	2.3	2.2
Public land, total	886	897	897	897	885	39.0	39.6	39.8	39.6	39.1
Federal	765	763	761	742	730	33.7	33.7	33.6	32.8	32.2
State and local	121	134	136	155	155	5.3	5.9	6.0	6.8	6.8

[1] Changes in total land area are due to variable methods and materials used in periodic remeasurements, and to the construction of artificial reservoirs. [2] Cropland harvested, crop failure, and cultivated summer fallow. [3] Grassland and other nonforest pasture and range. [4] Excludes reserved forest land in parks and other special uses of land. Includes forest grazing land. [5] Changes in use between 1976 and 1982 are primarily attributed to reclassification and change of Alaskan lands to park, wilderness, and wildlife areas. [6] Estimated area in urbanized areas and places of 2,500 or more population outside urbanized areas. [7] Data for urban areas included in other land. [8] Represents rural highway, road, and railroad rights-of-way, and airports. [9] Area in National and State parks and related recreation areas, including area in national wilderness and primitive areas. [10] Acreage administered by Federal and State agencies primarily for wildlife protection and propagation. [11] Areas administered by the Dept. of Defense for military purposes and by the Department of Energy. [12] Miscellaneous areas such as marshes, open swamps, bare rock area, deserts, and tundra, and various other uses not inventoried. [13] Land owned by individuals, partnerships, and corporations. [14] Managed in trust by Bureau of Indian Affairs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Major Uses of Land in the United States: 1982*, AER 535, June 1985, and earlier reports in the series.

Digitized by Google

NO. 321. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1986

[**In millions of acres.** Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 319 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area, total [1]	YEAR	LAND AREA [1]			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	Inland water
1802	200.0	1973	761.0	704.8	56.2	**Aggregate**	**1,837.8**	**1,804.7**	**33.1**
1850	1,200.0	1974	760.5	703.8	56.7				
1880	900.0	1975	760.4	702.9	57.5	1781–1802 (State Cessions)	236.8	233.4	3.4
1912	600.0	1976	762.2	702.8	59.4	1803, Louisiana Purchase [2]	529.9	523.4	6.5
1946	413.0	1977	741.5	683.3	58.2	1819, Cession from Spain	46.1	43.3	2.8
1950	412.0	1978	775.2	712.0	63.3	Red River Basin [3]	29.6	29.1	.5
1955	407.9	1979	744.1	684.3	59.8	1846, Oregon Compromise	183.4	180.6	2.7
1959	768.6	1980	719.5	648.0	71.5	1848, Mexican Cession [2]	336.7	334.5	4.2
1960	771.5	1981	730.8	668.7	62.2	1850, Purchase from Texas	78.9	78.8	.1
1965	765.8	1982	729.8	670.0	59.8	1853, Gadsden Purchase	19.0	19.0	(Z)
1970	761.3	1983	732.0	672.4	59.6	1867, Alaska Purchase	375.9	362.5	12.8
1971	760.2	1984	726.6	658.9	67.7				
1972	760.7	1985	726.7	656.2	70.5				
		1986	727.1	662.7	64.4				

Z Less than 50,000. [1] Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual. [2] Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. [3] Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

NO. 322. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1986, AND BY STATE, 1986

[As of **end of fiscal year;** see text, section 9. Total land area figures are not comparable with those in table 318]

YEAR, REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT [1]	
			Acres (1,000)	Percent
1960	2,273,407	1,501,894	771,512	33.9
1965	2,271,343	1,505,546	765,797	33.5
1970	2,271,343	1,510,042	761,301	33.5
1973	2,271,343	1,510,344	760,999	33.5
1974	2,271,343	1,510,811	760,532	33.5
1975	2,271,343	1,510,929	760,414	33.5
1978	2,271,343	1,509,151	762,192	33.5
1977	2,271,343	1,529,834	741,509	32.8
1978	2,271,343	1,496,094	775,249	34.1
1979	2,271,343	1,533,545	744,148	32.8
1980	2,271,343	1,551,822	719,522	31.7
1981	2,271,343	1,540,528	730,815	32.2
1982	2,271,343	1,541,522	729,821	32.1
1983	2,271,343	1,539,301	732,042	32.2
1984	2,271,343	1,544,785	726,559	32.0
1985	2,271,343	1,544,658	726,686	32.0
1986, total	**2,271,343**	**1,544,230**	**727,113**	**32.0**
Region:				
Northeast	104,699	101,136	3,564	3.4
Midwest	482,869	464,529	18,341	3.8
South	561,238	532,430	28,806	5.1
West	1,122,536	446,137	676,400	60.3
N. Eng	**40,401**	**39,087**	**1,314**	**3.3**
ME	19,848	19,697	150	.8
NH	5,769	5,029	740	12.8
VT	5,937	5,615	322	5.4
MA	5,035	4,952	83	1.6
RI	677	672	5	.7
CT	3,135	3,122	14	.4
Mid. Atl	**64,298**	**62,049**	**2,250**	**3.5**
NY	30,681	29,221	1,460	4.8
NJ	4,813	4,662	151	3.1
PA	28,804	28,166	639	2.2
E. No. Cent	**156,878**	**150,001**	**6,878**	**4.3**
OH	26,222	25,900	322	1.2
IN	23,158	22,721	437	1.9
IL	35,795	35,295	500	1.4
MI	36,492	32,963	3,529	9.7
WI	35,011	33,122	1,890	5.4

DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT [1]	
			Acres (1,000)	Percent
W. No. Cent	**326,191**	**314,528**	**11,663**	**3.6**
MN	51,206	47,746	3,460	6.8
IA	35,860	35,700	160	.4
MO	44,248	42,176	2,072	4.7
ND	44,452	42,510	1,942	4.4
SD	48,882	46,149	2,733	5.6
NE	49,032	48,317	714	1.5
KS	52,511	51,930	582	1.1
So. Atl	**171,324**	**157,499**	**13,825**	**8.1**
DE	1,266	1,236	30	2.4
MD	8,319	6,122	197	3.1
DC	39	28	11	27.8
VA	25,496	23,041	2,455	9.6
WV	15,411	14,246	1,165	7.6
NC	31,403	29,184	2,219	7.1
SC	19,374	18,205	1,169	6.0
GA	37,295	34,996	2,299	6.2
FL	34,721	30,441	4,280	12.3
E. So. Cent	**115,141**	**108,943**	**6,199**	**5.4**
KY	25,512	24,112	1,401	5.5
TN	26,726	24,740	1,988	7.4
AL	32,678	31,547	1,132	3.5
MS	30,223	28,544	1,678	5.6
W. So. Cent	**274,773**	**265,988**	**8,782**	**3.2**
AR	33,599	30,200	3,399	10.1
LA	28,868	27,686	1,181	4.1
OK	44,088	43,220	867	2.0
TX	168,218	164,882	3,335	2.0
Mt	**548,448**	**279,907**	**268,543**	**49.0**
MT	93,271	65,035	28,236	30.3
ID	52,933	19,174	33,759	63.8
WY	62,343	30,912	31,431	50.4
CO	66,486	42,297	24,189	36.4
NM	77,766	51,896	25,871	33.3
AZ	72,688	41,015	31,673	43.6
UT	52,697	19,128	33,569	63.7
NV	70,264	10,450	59,815	85.1
Pac	**574,088**	**166,230**	**407,857**	**71.0**
WA	42,694	30,235	12,459	29.2
OR	61,599	31,567	30,031	48.8
CA	100,207	53,884	46,323	46.2
AK	365,482	47,125	318,357	87.1
HI	4,106	3,419	687	16.7

[1] Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

Digitized by Google

NO. 323. LAND COVER/USE, BY STATE: 1982

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area [1]	Federal surface area	NONFEDERAL							
			Total	Urban and built-up land	Rural transportation	Rural land				
						Total [2]	Cropland	Pasture land	Rangeland	Forest land
United States	**1,937,726**	**404,063**	**1,495,436**	**46,416**	**26,914**	**1,412,011**	**420,994**	**132,356**	**405,914**	**393,197**
Alabama	33,091	904	31,553	906	639	29,697	4,510	3,817	-	20,633
Arizona	72,960	32,056	40,603	711	291	39,582	1,206	79	30,948	4,760
Arkansas	34,040	3,114	30,221	636	540	28,770	8,102	5,794	162	14,340
California	101,572	45,552	54,471	3,265	1,037	49,833	10,518	1,393	18,125	15,218
Colorado	66,618	23,811	42,696	672	609	41,271	10,603	1,260	24,223	4,030
Connecticut	3,212	9	3,109	603	55	2,401	245	114	-	1,828
Delaware	1,309	33	1,204	128	26	1,039	519	35	-	348
Florida	37,545	3,129	31,528	2,770	601	27,730	3,557	4,273	3,804	12,430
Georgia	37,702	2,068	35,078	1,632	504	32,536	6,568	2,977	-	21,864
Hawaii	4,141	342	3,771	126	23	3,610	333	974	-	1,474
Idaho	53,481	33,445	19,449	189	255	18,934	6,390	1,274	6,733	3,977
Illinois	36,061	493	35,137	1,846	870	32,076	24,727	3,157	-	3,429
Indiana	23,159	489	22,514	1,192	517	20,597	13,781	2,212	-	3,640
Iowa	36,016	172	35,644	623	1,061	33,709	26,441	4,536	-	1,756
Kansas	52,658	585	51,785	721	1,104	49,655	29,118	2,241	16,909	626
Kentucky	25,862	1,125	24,278	636	570	22,866	5,934	5,880	-	10,158
Louisiana	30,561	1,104	27,103	823	546	25,256	6,409	2,369	241	12,895
Maine	21,290	135	19,702	212	270	19,066	953	569	-	16,770
Maryland	6,995	158	6,114	783	114	5,173	1,794	534	-	2,425
Massachusetts	5,302	89	4,923	883	128	3,839	297	202	-	2,970
Michigan	37,457	3,087	33,368	1,966	873	30,265	9,443	2,911	-	15,360
Minnesota	54,017	3,373	47,457	904	1,154	45,036	23,024	3,590	199	13,956
Mississippi	30,521	1,618	28,558	582	539	27,063	7,415	3,975	-	15,243
Missouri	44,606	2,094	41,983	1,117	977	39,543	14,998	12,573	166	10,986
Montana	94,109	27,107	65,947	197	784	64,665	17,197	3,036	37,837	5,228
Nebraska	49,507	639	48,449	415	826	46,990	20,277	2,125	23,096	732
Nevada	70,759	60,189	10,159	199	152	9,788	860	304	7,908	357
New Hampshire	5,938	727	5,033	236	109	4,629	158	125	-	4,085
New Jersey	4,964	145	4,635	1,163	89	3,342	809	240	-	1,848
New Mexico	77,819	26,420	51,247	267	382	50,535	2,413	163	40,982	4,734
New York	31,429	237	30,084	1,811	594	27,386	5,912	3,872	-	16,517
North Carolina	33,708	2,116	29,111	1,622	727	26,481	6,695	1,980	-	16,729
North Dakota	45,250	1,879	42,434	198	1,036	41,021	27,039	1,272	10,948	438
Ohio	26,451	346	25,892	2,187	645	22,859	12,447	2,714	-	6,380
Oklahoma	44,772	1,192	42,783	851	789	40,795	11,568	7,138	15,060	6,539
Oregon	62,127	32,122	29,332	526	365	28,291	4,356	1,966	9,392	11,689
Pennsylvania	28,997	668	28,060	2,073	613	25,144	5,896	2,593	-	15,300
Rhode Island	776	4	672	140	14	508	27	36	-	406
South Carolina	19,912	1,150	18,173	839	475	16,681	3,579	1,208	-	11,026
South Dakota	49,354	2,824	45,762	231	833	44,506	16,947	2,703	22,784	562
Tennessee	26,972	1,343	24,980	1,000	588	23,189	51,592	5,356	-	11,529
Texas	17,075	2,998	164,765	4,388	2,234	157,431	33,320	17,043	95,353	9,324
Utah	54,336	35,819	16,703	274	152	16,247	2,039	490	8,489	3,235
Vermont	6,153	315	5,619	97	101	5,377	648	501	-	4,087
Virginia	26,091	2,347	23,063	1,219	329	21,292	3,397	3,392	-	13,625
Washington	43,609	12,474	30,092	990	492	28,462	7,793	1,345	5,637	12,690
West Virginia	15,508	1,104	14,330	312	205	13,722	1,093	1,869	-	10,423
Wisconsin	35,938	1,800	33,064	1,125	770	30,890	11,457	3,394	-	13,393
Wyoming	62,598	29,315	32,803	148	330	32,240	2,587	755	26,915	987

- Represents zero. [1] Includes 107.9 million acres of water areas and minor land cover/uses not shown separately. [2] Includes 59.55 million acres of minor land cover/uses not shown separately.

Source: U.S. Dept. of Agriculture, Soil Conservation Service, *1982 National Resources Inventory*, forthcoming.

Digitized by Google

No. 324. Extreme and Mean Elevations—States and Other Areas

(One foot = .305 meter)

State or other area	Highest point			Lowest point			Approximate mean elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
U.S.	**Mt. McKinley (AK)**	**20,320**	**6,198**	**Death Valley (CA)**	**−282**	**−86**	**2,500**	**763**
AL	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	500	153
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900	580
AZ	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251
AR	Magazine Mountain	2,753	840	Ouachita River	55	17	650	198
CA	Mount Whitney	14,494	4,421	Death Valley	−282	−86	2,900	885
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074
CT	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	153
DE	Ebright Road, New Castle County	442	135	Atlantic Ocean	(1)	(1)	60	18
DC	Tenleytown	410	125	Potomac River	1	(Z)	150	46
FL	Sec. 30, T6N, R20W, Walton County [2]	345	105	Atlantic Ocean	(1)	(1)	100	31
GA	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600	183
HI	Mauna Kea	13,796	4,208	Pacific Ocean	(1)	(1)	3,030	924
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525
IL	Charles Mound	1,235	377	Mississippi River	279	85	600	183
IN	Franklin Twp., Wayne Co	1,257	383	Ohio River	320	98	700	214
IA	Sec. 28, T100N, R41W, Osceola County [2]	1,670	509	Mississippi River	480	146	1,100	336
KS	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000	610
KY	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
LA	Driskill Mountain	535	163	New Orleans	−5	−2	100	31
ME	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600	183
MD	Backbone Mountain	3,360	1,025	Atlantic Ocean	(1)	(1)	350	107
MA	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500	153
MI	Mount Arvon	1,979	604	Lake Erie	572	174	900	275
MN	Eagle Mountain, Cook Co	2,301	702	Lake Superior	602	184	1,200	366
MS	Woodall Mountain	806	246	Gulf of Mexico	(1)	(1)	300	92
MO	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037
NE	Johnson Twp., Kimball Co	5,426	1,655	Southeast corner of State	840	256	2,600	793
NV	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500	1,678
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	305
NJ	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250	76
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,817	859	5,700	1,739
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	305
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	214
ND	White Butte, Slope Co	3,506	1,068	Red River	750	229	1,900	580
OH	Campbell Hill	1,550	473	Ohio River	433	132	850	259
OK	Black Mesa	4,973	1,517	Little River	287	88	1,300	397
OR	Mount Hood	11,239	3,428	Pacific Ocean	(1)	(1)	3,300	1,007
PA	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	336
RI	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	61
SC	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(1)	(1)	350	107
SD	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
TN	Clingmans Dome	6,643	2,026	Mississippi River	182	56	900	275
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700	519
UT	Kings Peak	13,528	4,126	Beaverdam Creek	2,000	610	6,100	1,861
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305
VA	Mount Rogers	5,729	1,747	Atlantic Ocean	(1)	(1)	950	290
WA	Mount Rainier	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	519
WV	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050	320
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	946	6,700	2,044
Other areas:								
PR	Cerro de Punta	4,389	1,339	Atlantic Ocean	(1)	(1)	1,800	549
Am. Samoa	Lata Mountain	3,160	964	Pacific Ocean	(1)	(1)	1,300	397
GU	Mount Lamlam	1,329	405	Pacific Ocean	(1)	(1)	330	101
VI	Crown Mountain	1,556	475	Atlantic Ocean	(1)	(1)	750	229

Z Less than .5 meter. [1] Sea level. [2] "Sec." denotes section, "T," township, "R," range; "N," north; "W," west.

Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1980.

Digitized by Google

NO. 325. LENGTHS OF PRINCIPAL NORTH AMERICAN RIVERS

[Comprises rivers 600 miles or more in length. Length represents distance to designated outflow from (*a*) original headwater of named river where name applies to entire length of channel, or (*b*) upper limit of channel so named, usually the junction of 2 tributaries or headwater streams. One mile = 1.609 kilometers]

RIVER/OUTFLOW	LENGTH	
	Miles	Kilometers
Alabama–Coosa/Mobile River	800	966
Albany/James Bay	610	981
Arkansas/Mississippi River	1,459	2,348
Black/Chantrey Inlet	600	965
Brazos/Gulf of Mexico	923	1,490
Canadian/Arkansas River	906	1,458
Churchill/Hudson Bay	1,000	1,609
Cimarron/Arkansas River	600	965
Colorado (U.S.–Mex.)/Gulf of California	1,450	2,333
Colorado (Texas)/Matagorda Bay	862	1,387
Columbia/Pacific Ocean	1,243	2,000
Columbia, Upper/to mouth of Snake River	890	1,432
Cumberland/Ohio River	720	1,158
Fraser/Strait of Georgia	850	1,368
Gila/Colorado River	649	1,044
Green (UT-WY)/Colorado River	730	1,175
James (ND-SD)/Missouri River	710	1,142
Kuskokwim/Kuskokwim Bay	724	1,165
Liard/Mackenzie River	693	1,115
Mackenzie/Arctic Ocean	900	1,448
Milk/Missouri River	625	1,006
Mississippi/Mouth of SW Pass	2,348	3,778
Mississippi, Upper/to mouth of Missouri River	1,171	1,884
Mississippi-Missouri-Red Rock/Mouth of SW Pass	3,710	5,970
Missouri/Mississippi River	2,315	3,725
Missouri-Red Rock/Mississippi River	2,540	4,090
Mobile-Alabama-Coosa/Mobile Bay	645	1,040
North Canadian/Canadian River	486	785
North Platte/Platte River	618	994
Ohio/Mississippi River	981	1,578
Ohio-Allegheny/Mississippi River	1,306	2,101
Ottawa/St. Lawrence	790	1,271
Ouachita/Red River	605	973
Pecos/Rio Grande	6,210	1,947
Pecos/Rio Grande	926	1,490
Red (OK–TX–LA)/Mississippi River	1,179	1,897
Rio Grande/Gulf of Mexico	1,760	2,840
St. Lawrence/Lake Ontario	800	1,287
Saskatchewan N./Lake Winnipeg	800	1,290
Saskatchewan S./Lake Winnipeg	865	1,390
Severn (Ontario)/Hudson Bay	610	981
Snake/Columbia River	1,038	1,670
Tanana/Yukon River	659	1,060
Tennessee/Ohio River	652	1,049
Tennessee-French Broad/Ohio River	883	1,421
White (AR–MO)/Mississippi River	720	1,156
Yellowstone/Missouri River	692	1,110
Yukon/Bering Sea	1,979	3,185

Source: U.S. Geological Survey, unpublished data.

NO. 326. WATER AREA, OTHER THAN INLAND WATER—STATES

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile = 2.59 square kilometers]

BODY OF WATER	AREA	
	Sq. mi.	Sq. km.
Total	**74,364**	**192,603**
Atlantic coastal water	2,298	5,952
Florida	37	96
Georgia	48	124
Maine	1,102	2,854
Massachusetts	959	2,484
Rhode Island	14	36
South Carolina	138	357
Chesapeake Bay	3,237	6,384
Maryland	1,726	4,470
Virginia	1,511	3,913
Delaware Bay	665	1,722
Delaware	350	907
New Jersey	315	816
Lake Erie	5,002	12,955
Michigan	216	559
New York	594	1,538
Ohio	3,457	8,954
Pennsylvania	735	1,904
Straits of Georgia and Juan de Fuca: Washington	1,610	4,170
Lake Huron: Michigan	6,975	23,245
Long Island Sound	1,298	3,364
Connecticut	573	1,484
New York	726	1,880
Gulf of Mexico coastal water	3,837	9,938
Alabama	580	1,450
Florida	1,698	4,398
Louisiana	1,016	2,631
Mississippi	556	1,440
Texas	7	18
Lake Michigan	22,178	57,441
Illinois	1,526	3,952
Indiana	226	591
Michigan	13,037	33,766
Wisconsin	7,387	19,132
New York Harbor	92	238
New Jersey	69	179
New York	23	60
Lake Ontario: New York	3,033	7,855
Pacific coastal water	343	888
California	69	179
Oregon	48	124
Washington	226	585
Puget Sound: Washington	561	1,453
Lake St. Clair: Michigan	118	300
Lake Superior	21,118	54,696
Michigan	16,231	42,038
Minnesota	2,212	5,729
Wisconsin	2,675	6,928

Source: U.S. Bureau of the Census, *Areas of the United States: 1940.*

Digitized by Google

NO. 327. WATER WITHDRAWALS AND CONSUMPTION PER DAY—STATES AND OTHER AREAS: 1985

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

STATE OR OTHER AREA	WATER WITHDRAWN								Consumptive use, fresh water
	Total	Per capita (gal per day) fresh	Source		Use				
			Ground water	Surface water	Irrigation	Public supply [1]	Industrial [2]	Thermoelectric	
Total	**399,000**	**1,400**	**73,900**	**325,000**	**137,000**	**39,920**	**29,534**	**187,000**	**92,100**
Alabama	8,600	2,140	347	8,250	69	654	851	6,920	541
Alaska	406	727	72	334	–	86	133	36	27
Arizona	6,430	1,960	3,100	3,330	5,520	645	133	58	3,700
Arkansas	5,910	2,500	3,810	2,100	3,870	317	175	1,090	3,210
California	49,700	1,420	15,100	34,600	30,600	5,450	1,159	12,180	21,100
Colorado	13,600	4,190	2,340	11,200	12,400	754	211	110	4,850
Connecticut	3,780	375	144	3,640	3	401	147	3,210	106
Delaware	1,650	222	79	1,580	27	87	410	1,121	39
District of Columbia	348	556	–	348	–	218	–	130	24
Florida	17,000	554	4,050	13,000	2,910	1,939	679	11,351	2,730
Georgia	5,450	899	1,000	4,440	453	935	656	3,326	838
Hawaii	2,150	1,100	655	1,490	906	215	20	970	132
Idaho	22,300	22,200	4,800	17,500	20,600	301	334	–	5,290
Illinois	14,500	1,250	968	13,500	71	1,910	639	11,700	686
Indiana	8,030	1,470	635	7,400	47	714	2,751	4,480	454
Iowa	2,770	960	671	2,090	67	415	260	1,810	473
Kansas	5,580	2,320	4,800	874	4,730	366	95	415	4,710
Kentucky	4,200	1,130	205	3,990	8	451	266	3,410	260
Louisiana	10,400	2,210	1,430	8,970	1,670	675	2,072	5,964	2,010
Maine	1,520	733	66	1,460	2	127	578	745	203
Maryland	6,710	321	219	6,490	34	834	371	5,429	423
Massachusetts	9,660	1,070	315	9,340	16	802	153	8,450	316
Michigan	11,400	1,270	600	10,800	210	1,373	1,385	8,390	611
Minnesota	2,830	676	685	2,150	209	604	457	1,470	768
Mississippi	2,460	968	1,570	895	886	326	186	670	651
Missouri	6,110	1,210	640	5,470	306	699	116	4,930	504
Montana	8,650	10,500	203	8,450	8,300	174	60	67	1,900
Nebraska	10,000	6,250	5,590	4,450	7,270	272	167	2,210	4,910
Nevada	3,740	3,860	908	2,830	3,350	300	35	23	1,890
New Hampshire	894	688	84	810	1	111	239	543	76
New Jersey	6,940	907	668	6,270	132	1,114	1,137	4,546	278
New Mexico	3,280	2,320	1,510	1,780	2,820	264	83	59	1,530
New York	15,200	508	1,100	14,100	38	3,051	1,080	10,870	1,400
North Carolina	8,760	1,260	435	8,320	132	764	539	7,266	439
North Dakota	1,160	1,690	127	1,040	154	84	13	892	201
Ohio	12,700	1,180	730	12,000	17	1,559	540	10,590	396
Oklahoma	1,270	386	568	707	445	547	113	134	576
Oregon	6,540	2,450	660	5,880	5,710	496	301	12	2,600
Pennsylvania	14,300	1,210	799	13,500	11	1,784	2,208	10,200	589
Rhode Island	412	156	27	385	3	126	20	261	23
South Carolina	6,820	2,040	214	6,610	34	421	1,135	5,186	340
South Dakota	675	956	249	425	480	96	46	7	361
Tennessee	8,450	1,770	444	8,010	9	697	1,613	6,060	273
Texas	25,300	2,230	7,410	17,900	8,120	3,095	2,763	11,010	8,650
Utah	4,320	2,540	815	3,500	3,590	453	213	28	2,130
Vermont	126	235	37	89	1	65	55	1	26
Virginia	7,250	853	341	6,910	52	691	673	5,760	269
Washington	7,030	1,600	1,220	5,810	4,940	1,053	559	427	4,700
West Virginia	5,700	2,940	211	5,490	4	172	1,026	4,490	73
Wisconsin	6,740	1,400	570	6,170	84	559	461	5,440	321
Wyoming	6,220	12,200	526	5,700	5,660	111	184	236	2,670
Puerto Rico	2,600	176	175	2,430	157	409	18	2,005	163
Virgin Islands	124	68	2	123		6	14	103	1

– Represents zero. [1] Includes domestic. [2] Includes mining.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1005.

Digitized by Google

No. 328. U.S. Water Withdrawals and Consumptive Use Per Day by End Use: 1940 to 1985

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970*, series J 92-103]

YEAR	Total (bil. gal.)	Per capita [1] (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY [2]		Rural [4] (bil. gal.)	Industrial and misc. [5] (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita [3] (gal.)			
WITHDRAWALS								
1940	140	1,027	71	10	75	3.1	29	23
1950	180	1,185	89	14	145	3.6	37	40
1955	240	1,454	110	17	148	3.6	39	72
1960	270	1,500	110	21	151	3.6	38	100
1965	310	1,602	120	24	155	4.0	46	130
1970	370	1,815	130	27	166	4.5	47	170
1975	420	1,972	140	29	168	4.9	45	200
1980	450	1,953	150	34	183	5.6	45	210
1985	400	1,650	140	39	195	7.6	30	190
CONSUMPTIVE USE								
1960	61	339	52	3.5	25	2.8	3.0	.2
1965	77	403	66	5.2	34	3.2	3.4	.4
1970	87	427	73	5.9	36	3.4	4.1	.8
1975	96	451	80	6.7	38	3.4	4.2	1.9
1980	100	440	83	7.1	36	3.9	5.0	3.2
1985	95	380	74	(6)	(6)	[7] 9.2	6.1	6.1

[1] Based on Bureau of the Census resident population as of July 1. [2] Includes domestic central and commercial water withdrawals. [3] Based on population served. [4] Rural farm and nonfarm household and garden use, and water for farm stock and dairies. [5] For 1940–1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordnance, construction, and miscellaneous. [6] Public supply consumptive included in end-use categories. [7] Includes domestic public supply and commercial.

Source: 1940–1960, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1005, and previous quinquennial issues.

No. 329. National Ambient Water Quality in Rivers and Streams—Violation Rate: 1975 to 1986

In **percent**. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. μg = micrograms. mg = milligrams. For metric conversions, see p. xiv]

POLLUTANT	VIOLATION LEVEL	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Fecal coliform bacteria	Above 200 cells per 100 ml	36	35	34	31	30	33	34	30	28	28
Dissolved oxygen	Below 5 mg per liter	5	5	4	5	4	5	4	3	3	2
Phosphorus, total, as phosphorous	Above 1.0 mg per liter	5	5	3	4	4	3	3	4	3	4
Lead, dissolved	Above 50 μg per liter	(B)	(B)	13	5	3	2	5	(Z)	(Z)	(Z)
Cadmium, dissolved	Above 10 μg per liter	(B)	(B)	4	1	1	1	1	(Z)	(Z)	(Z)

B Base figure too small to meet statistical standards for reliability of derived figures. Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

No. 330. Polluting Incidents Reported in and Around U.S. Waters: 1970 to 1985

ITEM	Incidents	Gallons (1,000)	ITEM	Incidents	Gallons (1,000)
1970	3,771	15,253	1981	10,564	19,773
1971	8,736	8,840	1982	10,414	23,154
1972	9,931	18,806	1983	11,346	30,076
1973	13,328	24,315	1984	13,017	16,161
1974	14,432	19,422			
1975	12,781	22,243	**1985**	**10,987**	**23,967**
1976	13,930	36,606			
1977	15,330	11,248	Type of pollutant:		
1978	14,495	17,557	Crude oil	10,177	19,075
1979	13,134	13,661	Diesel oil	810	4,892
1980	11,155	15,093			

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*, June 1987.

Digitized by Google

No. 331. National Ambient Air Pollutant Concentrations: 1976 to 1985

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Aerometric Data Bank. µg/m³ = micrograms of pollutant per cubic meter of air; ppm-parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard [1]	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Carbon monoxide	ppm	163	[2] 9	11.2	10.7	10.1	9.7	9.0	8.8	8.1	8.0	7.9	7.2
Ozone	ppm	183	[3] .122	.15	.16	.16	.14	.14	.13	.13	.14	.13	.12
Sulfur dioxide	ppm	264	.03	.015	.014	.013	.012	.011	.011	.010	.009	.010	.009
Total suspended particulates	µg/m³	1,400	75	63.2	62.4	61.6	[4] 62.5	[4] 64.0	[4] 59.7	49.9	49.2	50.4	48.1
Nitrogen dioxide	ppm	108	.053	.028	.029	.029	.030	.029	.028	.026	.026	.026	.025
Lead	µg/m³	53	[5] 1.5	1.27	1.30	1.15	.86	.60	.51	.49	.42	.38	.26
INDEX													
Carbon monoxide	1976 = 100	163	[2] 9	100	96	90	87	80	79	72	71	71	64
Ozone		183	[3] .122	100	107	107	[4] 93	[4] 93	[4] 87	87	93	87	80
Sulfur dioxide		264	.03	100	93	87	80	73	73	67	60	67	60
Total suspended particulates		1,400	75	100	99	97	99	101	94	79	78	80	76
Nitrogen dioxide		108	.053	100	104	104	107	104	100	93	93	93	89
Lead		53	[5] 1.5	100	102	91	68	47	40	39	33	30	20

[1] Refers to the primary National Ambient Air Quality Standard that protects the public health.
[2] Based on 8-hour standard of 9 ppm. [3] Based on 1-hour standard of .12 ppm. [4] Values are biased high due to type of data measuring instruments used. [5] Based on 3-month standard of 1.5 µg/m³.

Source: U.S. Environmental Protection Agency, *National Ambient Air Quality and Emissions Trends Report, 1985*, April 1987.

No. 332. National Air Pollutant Emissions: 1940 to 1985

[In millions of metric tons, except lead in thousands of metric tons. Metric ton = 1.1023 short tons. PM = Particulates, SO_x = Sulfur oxides, NO_x = Nitrogen oxide, VOC = Volatile organic compound, CO = Carbon monoxide, Pb = Lead]

YEAR	EMISSIONS						PERCENT CHANGE [1]					
	PM	SO_x	NO_x	VOC	CO	Pb	PM	SO_x	NO_x	VOC	CO	Pb
1940	22.8	17.5	6.8	18.4	81.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950	24.5	19.8	9.3	20.7	86.3	(NA)	7.5	13.1	36.8	12.5	5.8	(NA)
1960	21.1	19.5	12.8	23.6	88.4	(NA)	−13.9	−1.5	37.6	14.0	2.4	(NA)
1970	18.1	28.2	18.1	27.2	98.7	203.8	−14.2	44.6	41.4	15.3	11.7	(NA)
1975	10.4	25.6	19.1	22.8	81.0	147.0	−42.5	−9.2	5.5	−16.2	−17.9	−27.9
1980	8.4	23.2	20.3	22.8	76.0	70.6	−4.2	−2.0	1.2	-	−1.3	−13.6
1981	7.9	22.4	20.3	21.5	73.4	55.9	−6.0	−3.4	-	−5.7	−3.4	−20.8
1982	7.1	21.3	19.5	20.0	67.4	54.4	−10.1	−4.9	−3.9	−7.0	−8.2	−2.7
1983	7.0	20.5	19.1	20.8	70.3	46.3	−1.4	−3.8	−2.1	4.0	4.3	−14.9
1984	7.3	21.3	19.7	21.8	69.6	40.1	4.3	3.9	3.1	4.8	−1.0	−13.4
1985	7.3	20.7	20.0	21.3	67.5	21.0	-	−2.8	1.5	−2.3	−3.0	−47.6

- Represents zero. NA Not available. [1] Percent change from prior year shown.

No. 333. Air Pollutant Emissions, by Pollutant and Source: 1970 to 1985

[In millions of metric tons, except lead in thousands of metric tons. Metric ton = 1.1023 short tons]

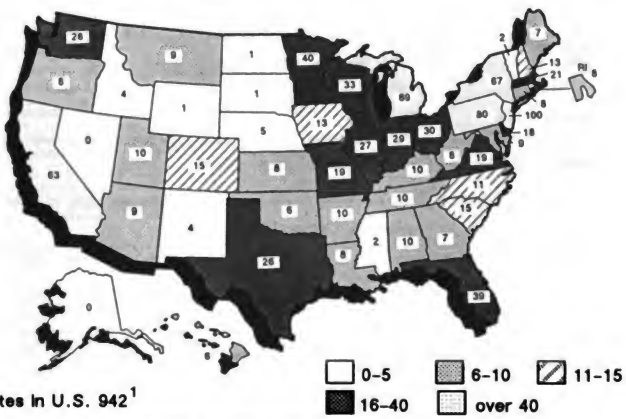
YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. uncontrolable	PERCENT OF TOTAL			
		Transportation		Fuel combustion [1]		Industrial processes	Solid waste disposal		Transportation	Fuel combustion [1]	Industrial
		Total	Road vehicles	Total	Electric utilities						
1970: Carbon monoxide	98.7	71.8	62.7	4.4	.2	8.9	8.4	7.2	72.7	4.5	9.1
Sulfur oxides	26.2	.6	.3	21.3	15.8	6.2	(Z)	.1	2.1	75.5	22.0
Volatile organic compounds	27.2	12.4	11.1	1.1	(Z)	8.6	1.8	3.3	45.8	4.1	31.7
Particulates	18.1	1.2	.9	4.6	2.3	10.1	1.1	1.1	6.8	25.4	55.8
Nitrogen oxides	18.1	7.6	6.0	9.1	4.4	.7	.4	.3	42.0	50.3	3.9
Lead	203.8	163.6	156.7	9.6	.3	23.9	6.7	(Z)	80.3	4.7	11.7
1980: Carbon monoxide	76.0	52.8	45.3	7.3	.3	6.3	2.2	7.6	69.2	9.6	8.3
Sulfur oxides	23.2	9	.4	18.7	15.5	3.5	(Z)	(Z)	3.9	80.6	15.1
Volatile organic compounds	22.8	6.2	6.9	2.2	(Z)	9.0	.6	2.9	36.0	9.6	39.5
Particulates	8.4	1.3	1.1	2.4	.8	3.2	.4	1.1	15.5	28.6	37.6
Nitrogen oxides	20.3	9.2	7.2	10.1	6.4	.7	.1	.2	45.3	49.8	3.4
Lead	70.6	59.4	56.4	3.9	.1	3.6	3.7	(Z)	84.1	5.5	5.1
1985: Carbon monoxide	67.5	47.5	40.7	8.1	.3	4.6	2.0	5.3	70.4	12.0	6.8
Sulfur oxides	20.7	.8	.5	17.0	14.2	2.9	(Z)	(Z)	3.9	82.1	14.0
Volatile organic compounds	21.3	7.2	6.0	2.6	(Z)	8.6	.6	2.3	33.8	12.2	40.4
Particulates	7.3	1.3	1.1	2.1	.6	2.7	.3	.8	17.8	28.8	37.0
Nitrogen oxides	20.0	8.9	7.1	10.2	8.8	.6	.1	.1	44.5	51.0	3.0
Lead	21.0	14.5	.9	.5	.1	2.3	2.8	(Z)	69.0	2.4	11.0

Z Less than 50,000 metric tons. [1] Stationary.

Source of tables 332 and 333: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940–1985*, January 1987.

Digitized by Google

Figure 6.2
Hazardous Waste Sites–June 1987



Total sites in U.S. 942[1]

Represents final and proposed sites on National Priority List.

[1]Includes eight in Puerto Rico; and one in Guam.

Source: U.S. Environmental Protection Agency, National Priorities List Fact Book.

NO. 334. MUNICIPAL SOLID WASTE GENERATION, RECOVERY, AND DISPOSAL: 1960 TO 1984

[**In millions of tons, except as indicated.** Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Gross waste generated	82.3	98.3	118.3	122.7	130.4	133.3	136.0	140.7	139.1	140.9	137.8	144.1	148.1
Per person per day (lb.)	2.50	2.77	3.18	3.11	3.26	3.32	3.40	3.43	3.35	3.36	3.25	3.37	3.43
Materials recovered	5.9	6.2	8.0	9.1	10.8	11.8	11.8	13.0	13.4	13.2	12.9	13.9	15.1
Per person per day (lb.)	.18	.17	.21	.23	.27	.29	.29	.32	.32	.31	.30	.32	.35
Percent of gross discards recovered:													
Paper and paperboard	18.0	15.0	16.9	19.2	19.8	20.7	19.9	20.9	21.9	20.8	20.8	20.7	20.8
Glass	1.5	1.2	1.2	2.7	3.4	3.5	3.3	4.0	5.0	5.0	5.2	5.9	7.2
Ferrous metals	.5	1.0	1.2	1.9	2.1	2.4	2.7	3.1	3.2	3.1	2.8	2.7	2.8
Aluminum	(NA)	(NA)	1.8	12.4	11.8	13.1	13.7	13.0	19.8	28.4	30.9	29.3	29.4
Processed for energy recovery	(NA)	.2	.4	.7	.9	1.4	1.5	2.3	2.7	2.3	3.5	5.0	8.5
Per person per day (lb.)	(NA)	.01	.01	.02	.02	.03	.04	.06	.06	.05	.08	.12	.15
Net waste disposed of	78.4	91.9	109.9	112.8	118.7	120.3	124.7	125.4	123.0	125.4	121.4	125.2	126.5
Per person per day (lb.)	2.32	2.59	2.94	2.86	2.96	2.99	3.07	3.05	2.96	2.99	2.86	2.92	2.93
Percent distribution of net discards:[1]													
Paper and paperboard	32.1	35.0	33.1	30.4	32.9	33.1	33.9	34.4	33.8	34.5	33.2	35.3	37.1
Glass	8.4	9.2	11.3	11.8	11.3	11.4	11.8	11.3	11.3	11.3	11.0	10.4	9.7
Metals	13.7	11.8	12.2	11.8	11.1	10.9	10.5	10.8	10.3	10.0	10.1	9.9	9.6
Plastics	.5	1.5	2.7	3.9	4.7	5.3	5.8	6.4	6.0	6.1	6.7	7.0	7.2
Rubber and leather	2.2	2.4	2.7	3.3	3.1	2.8	2.8	3.3	3.3	3.2	3.0	2.8	2.5
Textiles	2.8	2.4	2.0	2.2	2.1	2.0	2.2	2.3	2.3	2.4	2.4	2.3	2.1
Wood	3.9	3.8	3.6	3.6	3.8	3.9	3.7	2.8	3.9	3.5	4.0	4.0	3.8
Food wastes	14.8	13.1	11.5	11.8	11.0	10.8	10.0	9.8	9.2	8.9	8.8	8.5	8.1
Yard wastes	20.3	19.2	19.0	19.5	18.3	18.2	17.7	17.7	18.2	18.2	18.7	18.1	17.9
Other wastes	1.7	1.7	1.7	1.9	1.8	1.8	1.8	1.8	1.9	1.9	2.0	1.9	1.9

NA Not available. [1] Net discards after materials recovery and before energy recovery.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 2000*, 1986. Prepared for the U.S. Environmental Protection Agency.

Digitized by Google

No. 335. Population Served by Sewer Systems, by Degree of Treatment: 1960 to 1986

[In millions, except percent. 1960 and 1970 not strictly comparable with later years. Includes Puerto Rico and outlying areas]

ITEM	1960	1970	1980	1986
U.S. population	180	204	227	230
Not served by sewers	70	59	68	58
Percent of population	39	29	30	27
Served by sewers	110	145	159	172
Not treated	70	59	2	2
Treated	40	86	157	170

ITEM	1960	1970	1980	1986
Degree of treatment:				
Less than secondary	36	(NA)	37	29
No discharge			4	6
Secondary	4	(NA)	63	75
Advanced secondary			48	55
Tertiary			15	7

NA Not available.

Source: 1960 and 1970, U.S. Dept. of Commerce, "Market for Water and Waste Water Treatment Equipment," *Journal, Water Pollution Control Federation*, April 1979; 1980 and 1986, U.S. Environmental Protection Agency, *Needs Survey, Assessment of Needed Publicly Owned Wastewater Treatment Facilities in the United States*, biennial.

No. 336. Synthetic Organic Pesticides—Production and Sales: 1960 to 1985

[Includes a small quantity of soil conditioners]

ITEM	Unit	1960	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production, total	Mil. lb	648	877	1,034	1,603	1,388	1,416	1,429	1,468	1,430	1,113	1,017	1,189	1,235
Herbicides	Mil. lb	102	263	404	788	674	664	657	808	839	623	570	716	756
Insecticides	Mil. lb	366	490	490	660	570	605	617	506	448	379	324	350	370
Fungicides	Mil. lb	179	124	140	155	143	147	155	156	143	111	123	123	109
Production value [1]	Mil. dol	307	577	1,058	2,900	3,116	3,342	3,685	4,269	5,136	4,331	3,993	5,056	5,360
Sales, total	Mil. lb	570	764	861	1,317	1,263	1,300	1,389	1,406	1,291	1,147	1,017	1,108	1,022
Sales value	Mil. dol	262	497	670	2,359	2,808	3,041	3,631	4,078	4,652	4,432	4,054	4,730	4,437

[1] Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1978; and unpublished data. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

No. 337. Pesticide Residues in Human Adipose Tissue—Concentration Levels: 1970 to 1983

[In parts per million (ppm). Data represent geometric means and are based on a sample of measurements of pesticide residues and associated chemicals found in human tissue collected by medical pathologists from selected cities in the conterminous 48 states as part of the National Human Adipose Tissue Survey]

PESTICIDE RESIDUES	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1983
Sample size	1,386	1,560	1,886	1,092	900	779	682	789	827	796	98	384	407
DDT	7.95	6.06	6.97	5.96	5.15	4.76	4.35	3.14	3.52	3.10	2.82	2.24	1.67
Dieldrin	.16	.22	.16	.17	.14	.12	.09	.09	.09	.08	.10	.05	.06
Oxychlordane	(NA)	(NA)	.10	.12	.12	.11	.11	.10	.11	.10	.12	.09	.06
Heptachlor Epoxide	.09	.09	.07	.09	.08	.08	.08	.07	.07	.07	.08	.09	.06
trans-Nonachlor	(NA)	(NA)	(NA)	(NA)	(NA)	.06	.13	.10	.12	.12	.14	.11	.12
beta-Benzene Hexachloride	.37	.35	.19	.25	.21	.19	.18	.14	.14	.15	.12	.09	.10
Hexachlorobenzene	(NA)	(NA)	(NA)	(NA)	.03	.04	.04	.04	.04	.04	.04	.04	.03

NA Not available.

Source: U.S. Environmental Protection Agency, unpublished data from the Office of Toxic Substances.

No. 338. Threatened and Endangered Wildlife and Plant Species—Number: 1987

[As of **March 31**. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range
Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species, total	288	218	74	13	54	4	25	4	8	1
U.S. only	26	61	6	5	39	3	23	4	8	1
U.S. and foreign	20	16	6	–	4	–	–	–	–	
Foreign only [1]	242	141	60	8	11	1	2	–	–	
Threatened species, total	27	5	27	3	28	5	–	1	5	
U.S. only	5	3	10	3	22	5	–	1	5	
U.S. and foreign	–	2	4	–	6	–	–	–	–	
Foreign only [1]	22	–	13	–	–	–	–	–	–	

– Represents zero. [1] Species outside U.S. and outlying areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1987, Vol. XII, No. 4.

Digitized by Google

No. 339. Pollution Abatement and Control Expenditures, 1975 to 1985, and by Media, 1985

[In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots]

TYPE	1975	1978	1979	1980	1981	1982	1983	1984	1985, prel.			
									Total [1]	Air	Water	Solid waste
CURRENT DOLLARS												
Total expenditures	30,177	42,706	48,736	53,538	57,470	57,680	61,779	68,908	73,824	33,177	28,121	12,985
Percent Government	26.9	28.1	26.8	25.3	22.1	21.6	20.7	20.7	21.0	3.0	33.9	33.5
Pollution abatement	26,420	40,109	45,892	50,491	54,343	54,500	58,080	65,210	70,140	31,191	27,304	12,653
Personal consumption	3,243	4,787	5,428	6,589	8,152	8,318	9,771	10,814	11,886	11,886	–	–
Business	17,005	24,922	29,086	32,283	35,545	35,810	37,569	42,126	44,640	18,857	18,396	8,606
Government	7,576	10,399	11,377	11,620	10,647	10,571	10,700	12,269	13,613	448	8,908	4,048
Federal	432	472	548	494	506	550	795	944	1,114	110	639	230
State and local	1,752	2,212	2,461	2,778	3,053	3,274	3,547	3,882	4,305	10	403	3,818
Govt. enterprise fixed capital	5,392	7,716	8,368	8,347	7,088	6,747	6,358	7,443	8,194	326	7,866	–
Regulation and monitoring	653	949	1,067	1,296	1,378	1,397	1,385	1,362	1,314	355	524	229
Research and development	1,104	1,647	1,777	1,751	1,749	1,783	2,335	2,337	2,370	1,631	293	103
CONSTANT (1982) DOLLARS												
Total expenditures	53,513	62,077	63,312	62,046	60,317	57,680	60,007	64,700	67,279	31,298	25,144	11,349
Pollution abatement	50,408	58,344	59,537	58,421	56,952	54,500	56,453	61,313	64,012	29,522	24,431	11,061
Personal consumption	5,901	7,370	7,085	7,164	8,200	8,318	9,731	10,610	11,380	11,380	–	–
Business	31,502	36,631	38,346	37,885	37,543	35,610	36,533	39,441	40,773	17,722	16,707	7,542
Government	13,005	14,342	14,106	13,372	11,209	10,571	10,188	11,261	11,859	420	7,724	3,519
Regulation and monitoring	1,103	1,325	1,394	1,533	1,480	1,397	1,315	1,231	1,134	306	451	196
Research and development	2,002	2,409	2,381	2,092	1,884	1,783	2,239	2,157	2,134	1,470	263	92

– Represents zero. [1] Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

No. 340. Air and Water Pollution Abatement Expenditures in Constant (1982) Dollars: 1975 to 1985

[In millions of dollars. See headnote, table 339]

YEAR	AIR							WATER				
	Total	Mobile sources [1]			Stationary sources			Total [4]	Industrial		Public sewer systems [5]	
		Total	Cars	Trucks	Total [2]	Industrial			Facilities	Operations [3]	Facilities	Operations [3]
						Facilities	Operations [3]					
1975	20,768	9,324	7,419	1,904	11,444	6,669	4,348	22,840	4,200	2,950	8,997	3,428
1976	21,692	10,129	7,910	2,219	11,563	6,113	4,907	24,445	4,625	3,375	9,370	3,713
1977	22,755	11,047	8,527	2,520	11,708	5,767	5,371	24,652	4,415	3,708	9,409	4,055
1978	23,774	11,877	8,928	2,949	11,900	5,652	5,711	26,631	4,277	3,934	10,090	4,392
1979	24,462	11,757	8,469	3,288	12,706	5,969	6,108	26,470	4,013	4,222	9,758	4,583
1980	24,744	11,764	8,818	2,946	12,980	5,946	6,304	24,647	3,725	4,061	8,942	4,694
1981	25,850	13,401	10,564	2,837	12,448	5,446	6,299	21,984	3,259	4,180	6,882	4,880
1982	24,961	13,464	10,530	2,934	11,496	5,086	5,675	21,199	3,080	4,022	6,148	5,156
1983	26,367	15,581	12,274	3,307	10,785	4,104	5,990	21,543	2,811	4,509	5,551	5,475
1984	26,577	17,547	13,480	4,067	11,030	4,115	6,260	23,277	2,900	4,795	6,387	5,649
1985, prel	29,522	18,696	14,220	4,476	10,826	3,929	6,342	24,431	2,941	5,042	6,711	5,946

[1] Excludes expenditures to reduce emissions from sources other than cars and trucks. [2] Includes other expenditures not shown separately. [3] Operation of facilities. [4] Includes nonpoint sources not shown separately. [5] Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

No. 341. Federal Grants-in-Aid to State and Local Governments for Pollution Abatement and Control: 1973 to 1984

[In millions of dollars]

ACTIVITY	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CURRENT DOLLARS											
Pollution abatement and control	1,056.9	2,869.6	3,385.9	4,060.5	4,149.8	5,098.7	5,239.9	4,896.9	4,421.1	4,391.1	5,513.4
Pollution abatement	915.9	2,720.8	3,189.1	3,814.9	3,878.8	4,797.2	4,926.9	4,592.3	4,126.2	4,096.3	5,179.1
Regulation and monitoring	76.2	101.6	151.4	194.3	214.2	230.9	249.1	276.8	266.6	259.4	302.1
Research and development	64.8	47.2	45.4	51.3	56.8	70.6	63.9	28.0	28.3	35.4	32.2
CONSTANT (1982) DOLLARS [1]											
Pollution abatement and control	2,105.0	4,932.5	5,451.7	6,098.6	5,664.2	6,241.3	5,948.5	5,138.4	4,421.1	4,159.4	5,038.8
Pollution abatement	1,819.2	4,678.8	5,136.5	5,730.7	5,284.7	5,847.9	5,577.5	4,811.3	4,126.2	3,881.8	4,745.9
Regulation and monitoring	157.1	175.7	242.9	291.2	300.0	302.7	297.1	297.1	266.6	244.0	264.1
Research and development	128.7	80.1	72.3	76.7	79.4	90.8	73.8	30.0	28.3	33.6	28.8

[1] Estimates are derived using measures of price change of goods and services purchased by State and local governments for pollution abatement and control.

Source of tables 339-341: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.

Digitized by Google

No. 342. New Capital Business Expenditures for Pollution Abatement: 1975 to 1986

SIC [1]	Selected industry	Pollution abatement expenditures (bil. dol.)									Percent of total capital outlays by business [2]		
		1975	1980	1983	1984	1985				1986 [3] planned	1975	1980	1986 [3]
						Total	Air	Water	Solid waste				
(x)	**Nonfarm business, total**	8.81	9.19	7.82	8.44	8.61	4.14	3.28	1.19	8.71	4.2	2.9	2.0
(x)	Manufacturing [4]	4.66	5.35	4.26	4.53	5.13	2.39	2.13	.60	5.37	8.7	4.8	3.5
20	Food, incl. beverage	.30	.26	.24	.26	.25	.06	.14	.03	.26	6.8	3.2	2.4
26	Paper	.47	.46	.37	.54	.58	.32	.17	.10	.56	16.0	7.1	6.3
28	Chemicals	.76	.69	.61	.58	.74	.32	.32	.11	.97	10.7	5.9	5.6
29	Petroleum	1.21	1.54	1.46	1.28	1.25	.50	.60	.14	1.37	13.3	7.9	5.6
33	Primary metals	.92	.94	.52	.68	.69	.52	.31	.06	.81	16.9	13.9	10.5
35	Machinery, except electrical	.09	.12	.13	.19	.15	.03	.09	.03	.16	1.9	1.1	1.2
36	Electrical machinery	.09	.22	.25	.16	.18	.06	.10	.02	.14	2.9	2.3	1.0
37	Transportation equipment	.15	.48	.28	.36	.55	.25	.23	.06	.49	2.7	3.2	2.6
49	Public utilities	1.56	3.05	3.04	3.25	2.67	1.57	.91	.38	2.70	7.7	6.1	5.6

X Not applicable. [1] Standard Industrial Classification, see text, section 13. [2] Expenditures planned as of January and February 1986. [3] Based on outlays reported in source; see also table 853. [4] Includes industries not shown separately

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, February 1987 and unpublished data.

No. 343. Pollution Abatement Capital Expenditures and Operating Costs of Manufacturing Establishments, 1980 to 1985, and by Selected Industry Group, 1985

[**In millions of dollars.** Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data will not agree with those shown in table 342; see source for details]

Year and industry group	Pollution abatement capital expenditures					Pollution abatement gross operating costs [1]				
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste	
				Hazardous	Nonhazardous				Hazardous	Nonhazardous
1980	3,502.9	2,105.5	1,146.5	251.0		6,141.8	3,297.8	3,193.1	1,650.6	
1981	3,484.9	2,193.6	1,028.4	263.1		9,109.9	3,697.8	3,554.3	1,855.7	
1982	3,024.1	1,828.2	977.0	218.5		6,565.0	3,455.9	3,488.5	1,619.9	
1983	2,045.0	1,029.0	619.0	60.9	136.0	9,925.1	3,806.9	3,943.2	573.5	1,601.6
1984	2,171.8	1,037.6	887.6	89.7	156.7	10,888.1	4,169.3	4,296.4	770.3	1,632.2
All industries, 1985 [2]	**2,809.7**	**1,292.3**	**1,017.9**	**326.2**	**172.9**	**1,677.9**	**4,330.2**	**4,609.5**	**943.0**	**1,795.3**
Food	155.1	66.0	77.4	2.4	9.3	832.1	108.3	525.2	6.8	191.8
Lumber and wood	34.5	15.2	6.3	2.2	10.7	139.1	41.8	35.3	9.5	52.6
Paper	332.4	190.9	106.0	4.0	31.5	1,120.8	313.0	573.4	19.5	215.0
Chemicals	738.1	194.0	271.5	233.2	39.3	2,540.0	872.9	1,267.7	293.6	305.8
Petroleum	290.4	175.0	88.4	20.3	6.6	2,063.4	1,278.5	586.4	116.1	82.4
Stone, clay, glass	61.9	44.4	9.9	1.1	6.4	393.2	217.2	66.8	18.3	90.9
Primary metal	252.9	142.9	84.3	13.4	12.2	1,863.0	1,067.0	517.4	110.6	168.1
Fabricated metals	116.9	40.4	59.7	9.5	7.2	406.1	79.4	163.2	57.2	106.4
Machinery exc. electrical	69.0	21.2	35.1	5.0	7.7	343.6	76.0	119.9	61.6	85.8
Electrical machinery	137.7	45.4	74.1	13.1	5.1	426.2	76.0	173.9	75.6	100.4
Transportation equipment	456.5	254.5	165.1	14.2	22.7	738.6	194.5	283.9	98.4	161.1

[1] Includes payments to governmental units. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

No. 344. Tornadoes, Floods, and Tropical Cyclones: 1956 to 1985

[See also *Historical Statistics, Colonial Times to 1970*, series J 268–278]

Item	1956–1965	1966–1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	198
Tornadoes, number [1]	6,572	6,030	835	852	788	852	866	783	1,046	931	907	66
Lives lost, total	924	1,172	44	43	53	84	28	24	64	34	122	9
Most in a single tornado	44	58	5	22	16	42	5	5	10	3	16	1
Property loss of $500,000 and over	191	428	46	46	59	73	92	55	92	95	125	6
Floods: Lives lost	557	1,528	187	212	125	103	97	90	155	200	126	16
Property loss (mil. dol.)	2,721	10,225	1,000	1,393	1,000	4,000	1,500	1,000	3,500	4,100	4,000	3,00
North Atlantic tropical cyclones and hurricanes: [2]												
Number reaching U.S. coast	33	25	2	1	2	5	2	2	1	2	2	
Hurricanes only	14	13	1	1	–	3	1	–	–	1	1	
Lives lost in U.S.	692	504	9	–	35	11	2	–	–	22	4	

– Represents zero. [1] A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles p hour. Also known as a "twister" or "waterspout." [2] Tropical cyclones have maximum winds of 39 to 73 miles per ho hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1956–1980, *Climatological Data: National Summary*, monthly w annual summary; thereafter, *Storm Data*, monthly.

Digitized by Google

NO. 345. NORMAL DAILY MEAN TEMPERATURE—SELECTED CITIES

[**In Fahrenheit degrees.** Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	50.8	53.6	60.1	68.0	74.9	80.5	82.2	81.6	78.2	68.5	58.6	53.1	67.5
AK	Juneau	21.6	27.8	31.2	39.1	46.5	52.7	55.7	54.6	49.2	41.8	32.7	26.8	40.0
AZ	Phoenix	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3	71.2
AR	Little Rock	39.9	44.1	52.2	62.4	70.5	78.5	82.1	81.0	74.3	63.1	51.2	43.2	61.9
CA	Los Angeles	56.0	57.1	57.4	59.5	62.4	65.6	69.0	70.3	69.5	66.3	61.2	57.0	62.6
	Sacramento	45.3	50.3	53.2	58.2	64.9	71.2	75.6	74.7	71.7	63.9	53.0	45.6	60.6
	San Francisco	48.5	51.6	52.8	54.8	57.8	60.8	62.2	63.0	63.9	60.6	54.5	49.2	56.6
CO	Denver	29.5	33.8	38.0	47.4	57.2	67.0	73.3	71.4	62.6	51.9	38.7	32.6	50.3
CT	Hartford	25.2	27.6	36.6	48.8	59.4	68.6	73.4	71.3	63.3	52.4	41.6	29.1	49.8
DE	Wilmington	31.2	33.2	41.8	52.4	62.2	71.2	76.0	74.8	67.9	56.3	45.6	35.5	54.0
DC	Washington	35.2	37.5	45.8	56.7	66.0	74.5	78.9	77.6	71.1	59.3	48.7	38.9	57.5
FL	Jacksonville	53.2	55.1	61.3	67.7	74.1	79.0	81.3	81.0	78.2	69.5	60.8	54.6	68.0
	Miami	67.1	67.8	71.7	75.3	78.5	81.0	82.4	82.8	81.8	77.9	72.8	68.5	75.6
GA	Atlanta	41.9	44.9	52.5	61.8	69.3	75.8	78.6	78.2	73.0	62.2	52.0	44.5	61.2
HI	Honolulu	72.6	72.9	74.4	75.8	77.5	79.1	80.1	81.0	80.6	77.9	76.6	74.0	77.0
ID	Boise	29.9	36.1	41.4	48.6	57.4	65.6	74.6	72.0	63.2	51.9	39.7	32.0	51.1
IL	Chicago	21.4	26.0	36.0	48.8	59.1	68.6	73.0	71.9	64.7	53.5	39.8	27.7	49.2
	Peoria	21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
IN	Indianapolis	26.0	29.9	40.0	52.4	62.5	71.6	75.1	73.2	66.6	54.8	41.8	31.5	52.1
IA	Des Moines	18.6	24.5	35.1	50.5	62.1	71.6	76.3	73.9	65.1	54.2	38.6	25.7	49.7
KS	Wichita	29.6	35.1	44.1	56.3	65.9	76.1	81.4	79.7	70.6	59.1	44.3	34.4	56.4
KY	Louisville	32.5	35.9	45.1	56.6	65.4	72.7	77.6	76.4	69.9	57.7	46.1	37.2	56.2
LA	New Orleans	52.4	54.7	61.4	68.7	74.9	80.3	82.1	81.7	78.5	69.2	60.0	54.6	68.2
ME	Portland	21.5	23.0	32.1	42.8	52.8	62.2	68.1	66.6	58.6	48.4	38.4	25.8	45.0
MD	Baltimore	32.7	34.7	43.3	54.0	63.4	72.2	76.8	75.6	68.9	56.9	46.3	36.5	55.1
MA	Boston	29.6	30.7	38.4	48.7	58.5	68.0	73.5	71.9	64.6	54.6	45.2	33.7	51.5
MI	Detroit	23.4	25.8	35.0	47.4	58.1	67.7	71.9	70.5	63.3	51.9	39.5	28.5	48.6
	Sault Ste. Marie	13.5	15.9	25.9	38.1	49.7	58.4	63.5	62.9	54.8	45.9	33.2	19.7	39.7
MN	Duluth	6.3	12.0	22.9	38.3	50.3	59.4	65.3	63.2	54.0	44.2	28.2	13.6	38.2
	Minneapolis-St. Paul	11.2	17.5	29.2	46.0	58.5	68.1	73.1	70.6	60.6	49.6	33.2	19.2	44.7
MS	Jackson	45.7	49.1	56.3	65.1	72.5	79.2	81.9	81.2	76.4	65.0	54.9	48.6	64.6
MO	Kansas City	25.9	32.1	41.5	54.8	64.6	73.6	78.5	76.7	68.4	57.5	43.1	31.9	54.1
	St. Louis	28.8	33.8	43.2	56.1	65.6	74.8	78.9	77.0	69.7	57.9	44.6	34.2	55.4
MT	Great Falls	18.7	26.7	31.4	42.7	53.2	61.9	69.3	67.5	57.4	47.9	34.0	25.7	44.7
NE	Omaha	20.2	27.2	37.3	52.2	63.3	73.0	77.7	75.2	65.8	54.5	39.5	27.2	51.1
NV	Reno	32.2	37.4	40.6	46.4	54.6	62.4	69.5	66.9	60.2	50.3	39.7	32.5	49.4
NH	Concord	19.9	22.2	32.1	44.1	55.2	64.7	69.5	67.3	59.1	48.2	37.3	24.5	45.3
NJ	Atlantic City	31.6	33.2	41.0	51.0	60.5	69.2	74.4	73.0	66.6	55.5	45.6	35.8	53.1
NM	Albuquerque	34.8	39.4	46.2	55.1	64.3	74.5	78.8	76.1	69.0	57.4	44.0	35.6	56.2
NY	Albany	21.1	23.4	33.6	46.6	57.5	66.7	71.4	69.2	61.2	50.5	39.3	26.5	47.3
	Buffalo	23.5	24.5	33.0	45.4	56.1	66.0	70.7	68.9	62.1	51.5	40.3	28.6	47.6
	New York [1]	31.8	33.4	41.4	52.4	62.5	71.4	76.7	75.4	68.3	57.7	47.2	36.2	54.5
NC	Charlotte	40.5	42.9	50.4	60.3	68.2	75.0	78.5	77.9	72.0	60.7	50.7	42.6	60.0
	Raleigh	39.6	41.6	49.3	59.5	67.2	73.9	77.7	77.0	71.0	59.7	50.0	42.0	59.0
ND	Bismarck	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
OH	Cincinnati	28.9	32.1	41.8	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.8	53.4
	Cleveland	25.5	27.4	36.6	48.1	58.2	67.6	71.6	70.4	64.1	53.2	41.8	31.1	49.6
	Columbus	27.1	29.8	40.1	51.4	61.4	70.2	73.8	72.4	65.8	53.9	42.1	31.2	51.7
OK	Oklahoma City	35.9	40.8	49.1	60.2	68.4	77.0	82.1	81.1	73.3	62.3	48.8	39.9	59.9
OR	Portland	38.9	43.2	45.9	50.4	58.7	62.5	67.7	67.3	62.7	54.3	45.5	40.9	53.0
PA	Philadelphia	31.2	33.1	41.8	52.9	62.8	71.6	76.5	75.3	68.2	56.5	45.8	35.5	54.3
	Pittsburgh	26.7	28.8	38.5	50.1	59.7	68.1	72.0	70.6	64.1	52.5	41.6	31.4	50.3
RI	Providence	28.2	29.3	37.4	47.9	57.6	66.8	72.5	71.1	63.5	53.2	43.4	32.3	50.3
SC	Columbia	44.7	47.1	54.5	63.8	71.5	77.7	81.0	80.2	74.8	63.4	53.9	46.7	63.3
SD	Sioux Falls	12.4	19.1	30.4	46.3	58.2	68.4	74.0	71.8	61.0	49.4	33.0	19.7	45.3
TN	Memphis	39.6	43.5	51.7	62.8	71.0	78.7	82.1	80.6	74.2	62.9	51.3	41.3	61.8
	Nashville	37.1	40.4	49.0	59.6	68.1	75.8	79.4	78.4	72.3	60.2	48.6	40.9	59.2
TX	Dallas-Fort Worth	44.0	48.5	56.1	65.9	73.7	82.0	86.3	85.5	78.6	67.9	55.6	47.8	66.0
	El Paso	44.2	46.4	55.1	63.6	71.9	80.8	82.5	80.3	74.1	63.6	51.4	44.4	63.4
	Houston	51.4	54.5	61.0	68.7	74.9	80.6	83.1	82.6	78.4	69.7	60.1	54.0	68.3
UT	Salt Lake City	28.6	34.1	40.7	49.2	58.8	68.3	77.5	74.9	65.5	53.0	39.7	30.3	51.7
VT	Burlington	16.6	18.1	29.2	42.7	55.2	64.9	69.6	67.1	58.6	47.9	36.6	22.6	44.1
VA	Norfolk	39.9	41.1	48.5	58.2	66.4	74.3	78.4	77.7	72.2	61.3	51.9	43.5	59.5
	Richmond	36.6	38.9	47.2	57.9	66.1	73.5	77.8	76.6	70.2	58.8	48.9	39.9	57.7
WA	Seattle-Tacoma	39.1	42.8	44.2	48.7	55.0	60.2	64.6	64.1	60.0	52.5	44.6	41.0	51.4
	Spokane	25.7	32.4	37.6	45.8	54.3	61.7	69.7	68.1	59.4	47.8	34.9	29.0	47.2
WV	Charleston	32.9	35.6	44.8	55.3	63.9	71.0	74.5	73.7	67.6	55.9	45.3	36.9	54.8
WI	Milwaukee	18.7	23.0	32.1	44.8	54.8	64.9	70.5	69.3	61.9	50.9	37.3	25.1	46.1
WY	Cheyenne	26.1	29.3	32.1	41.8	52.2	62.0	68.9	66.6	57.9	47.5	34.6	29.3	45.7
PR	San Juan	76.5	76.6	77.5	78.6	80.3	81.7	82.0	82.2	81.9	81.4	79.6	77.7	79.7

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Digitized by Google

NO. 346. NORMAL DAILY MAXIMUM TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	60.8	63.9	70.3	78.3	84.9	90.2	91.2	90.7	87.0	79.4	69.3	63.1	77.4
AK	Juneau	27.4	33.7	37.4	46.8	54.7	61.1	64.0	62.6	55.9	47.0	37.5	31.5	46.8
AZ	Phoenix	65.2	69.7	74.5	83.1	92.4	102.3	105.0	102.3	98.2	87.7	74.3	66.4	85.1
AR	Little Rock	49.8	54.5	63.2	73.8	81.7	89.5	92.7	92.3	85.6	75.8	62.4	53.2	72.9
CA	Los Angeles	64.6	65.5	66.1	66.7	69.1	72.0	75.3	76.5	76.4	74.0	70.3	66.1	70.1
	Sacramento	52.6	59.4	64.1	71.0	79.7	87.4	93.3	91.7	87.6	77.7	63.2	53.2	73.4
	San Francisco	55.5	59.0	60.8	63.0	66.3	69.6	71.0	71.8	73.4	70.0	62.7	56.3	64.9
CO	Denver	43.1	46.9	51.2	61.0	70.7	81.6	88.0	85.8	77.5	66.8	52.4	46.1	64.3
CT	Hartford	33.6	36.3	45.5	60.0	71.4	80.1	84.8	82.6	74.8	63.9	50.6	37.3	60.1
DE	Wilmington	39.2	41.8	50.9	63.0	72.7	81.2	85.6	84.1	77.8	66.7	54.8	43.6	63.5
DC	Washington	42.9	45.9	55.0	67.1	75.9	84.0	87.9	86.4	80.1	68.9	57.4	46.6	66.5
FL	Jacksonville	64.8	66.8	73.3	79.7	85.2	88.9	90.7	90.2	86.9	79.7	72.4	66.3	78.7
	Miami	75.0	75.6	79.3	82.4	85.1	87.3	88.7	89.2	87.8	84.2	79.8	76.2	82.6
GA	Atlanta	51.2	55.3	63.2	73.2	79.8	85.6	87.9	87.6	82.3	72.9	62.6	54.1	71.3
HI	Honolulu	79.9	80.4	81.4	82.7	84.8	86.2	87.1	88.3	88.2	86.7	83.9	81.4	84.2
ID	Boise	37.1	44.3	51.8	60.8	70.6	79.8	90.6	87.3	77.6	64.6	49.0	39.3	62.8
IL	Chicago	29.2	33.9	44.3	58.6	70.0	79.4	83.3	82.1	75.5	64.1	46.2	35.0	58.7
	Peoria	29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
IN	Indianapolis	34.2	38.5	49.3	63.1	73.4	82.3	85.2	83.7	77.9	66.1	50.8	39.2	62.0
IA	Des Moines	27.0	33.2	44.2	61.0	72.6	81.8	86.2	84.0	75.7	65.0	47.8	33.7	59.3
KS	Wichita	39.6	46.1	55.8	68.1	77.1	87.4	92.9	91.5	82.0	71.2	55.1	44.8	67.8
KY	Louisville	40.6	45.0	54.9	67.5	76.2	84.0	87.8	86.7	80.6	69.2	55.5	45.4	66.1
LA	New Orleans	61.8	64.6	71.2	78.6	84.5	89.5	90.7	90.2	86.8	79.4	70.1	64.4	77.7
ME	Portland	31.0	33.1	40.5	52.5	63.4	72.8	78.9	77.5	69.8	59.0	47.1	34.9	55.0
MD	Baltimore	41.0	43.7	53.1	65.1	74.2	82.9	87.1	85.5	79.1	67.7	55.9	45.1	65.0
MA	Boston	36.4	37.7	45.0	56.6	67.0	76.8	81.8	79.8	72.3	62.5	51.8	40.3	59.0
MI	Detroit	30.8	33.5	43.4	57.7	69.4	79.0	83.1	81.5	74.4	62.5	47.8	35.4	58.2
	Sault Ste. Marie	21.2	23.1	32.3	47.1	61.0	70.1	75.1	73.4	64.2	53.6	39.0	26.6	48.9
MN	Duluth	15.5	21.7	31.9	47.8	61.3	70.5	76.4	73.6	63.6	53.0	35.2	21.8	47.7
	Minneapolis-St. Paul	19.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	26.7	54.2
MS	Jackson	56.5	60.9	68.4	77.3	84.1	90.5	92.5	92.1	87.8	78.6	67.5	60.0	76.3
MO	Kansas City	34.5	41.1	51.3	65.1	74.8	83.3	88.5	86.8	78.8	67.3	52.1	40.1	63.7
	St. Louis	37.8	43.1	53.4	67.1	76.4	85.2	89.0	87.4	80.7	69.1	54.0	42.8	65.5
MT	Great Falls	28.2	36.5	41.7	54.0	65.3	74.3	84.2	82.0	70.5	59.5	43.5	34.7	56.2
NE	Omaha	30.2	37.3	47.7	64.0	74.7	84.2	86.5	86.2	77.5	67.0	50.3	36.9	62.0
NV	Reno	44.6	51.1	55.6	63.3	72.3	81.8	91.3	88.7	81.4	70.0	55.8	46.2	66.9
NH	Concord	30.8	33.2	41.9	56.5	68.9	77.7	82.8	80.1	71.9	61.0	47.2	34.4	57.2
NJ	Atlantic City	40.8	42.4	50.3	61.8	71.0	79.8	84.0	82.5	76.1	66.1	54.4	45.0	62.9
NM	Albuquerque	47.2	52.9	60.7	70.6	79.9	90.6	92.6	89.4	83.0	71.7	57.2	48.0	70.3
NY	Albany	30.2	32.7	42.5	57.6	69.5	78.3	83.2	80.7	72.8	61.5	47.8	34.8	57.6
	Buffalo	30.0	31.4	40.4	54.4	65.9	75.6	80.2	78.2	71.4	60.2	47.0	35.0	55.8
	New York [1]	38.0	40.1	48.6	61.1	71.5	80.1	85.3	83.7	76.4	65.8	53.6	42.1	62.2
NC	Charlotte	50.3	53.6	61.8	72.1	79.1	85.2	88.3	87.6	81.7	71.7	61.7	52.6	70.5
	Raleigh	50.1	52.8	61.0	72.3	79.0	85.2	88.2	87.1	81.6	71.8	61.8	52.7	70.3
ND	Bismarck	17.5	25.2	36.4	54.2	67.7	76.8	84.4	83.3	71.4	59.3	39.4	25.9	53.5
OH	Cincinnati	37.3	41.2	51.5	64.5	74.2	82.3	85.6	84.6	78.7	66.7	52.8	41.9	63.5
	Cleveland	32.5	34.6	44.8	57.9	68.5	78.0	81.7	80.3	74.2	62.7	49.3	37.5	58.5
	Columbus	34.7	38.1	49.3	62.3	72.6	81.3	84.4	83.0	76.9	65.0	50.7	39.4	61.5
OK	Oklahoma City	46.6	52.2	61.0	71.7	79.0	87.6	93.5	92.8	84.7	74.3	59.9	50.7	71.2
OR	Portland	44.3	50.4	54.5	60.2	66.9	72.7	79.5	78.6	74.2	63.9	52.3	46.4	62.0
PA	Philadelphia	38.6	41.1	50.5	63.2	73.0	81.7	86.1	84.6	77.8	66.5	54.5	43.0	63.4
	Pittsburgh	34.1	36.8	47.0	60.7	70.8	79.1	82.7	81.1	74.8	62.9	49.8	38.4	59.9
RI	Providence	36.4	37.7	45.5	57.5	67.8	76.8	81.7	80.3	73.1	63.2	51.9	40.5	59.3
SC	Columbia	56.2	59.5	67.1	77.0	83.8	89.2	91.9	91.0	85.5	78.5	67.1	58.8	75.3
SD	Sioux Falls	22.9	29.3	40.1	58.1	70.5	80.3	86.2	83.9	73.5	62.1	43.7	29.3	56.7
TN	Memphis	48.3	53.0	61.4	72.9	81.0	88.4	91.5	90.3	84.3	74.5	61.4	52.3	71.6
	Nashville	46.3	50.7	59.6	71.2	79.2	86.7	89.8	89.0	83.2	72.3	59.2	50.4	69.8
TX	Dallas-Fort Worth	54.0	59.1	67.2	76.8	84.4	93.2	97.8	97.3	89.7	78.5	66.2	58.1	76.9
	El Paso	57.9	62.7	69.6	78.7	87.1	95.9	95.3	93.0	87.5	78.5	65.7	58.2	77.5
	Houston	61.9	65.7	72.1	79.0	85.1	90.9	93.6	93.1	88.7	81.9	71.6	65.2	79.1
UT	Salt Lake City	37.4	43.7	51.5	61.1	72.4	83.3	93.2	90.0	80.0	66.7	50.2	38.9	64.0
VT	Burlington	25.4	27.3	37.7	52.6	66.4	75.9	80.5	77.6	68.6	57.0	43.6	30.3	53.6
VA	Norfolk	48.1	49.9	57.5	68.2	75.7	83.2	86.9	85.7	80.2	69.8	60.8	51.9	68.2
	Richmond	46.7	49.6	58.5	70.6	77.9	84.6	88.4	87.1	81.0	70.5	60.5	50.2	68.8
WA	Seattle-Tacoma	43.9	48.8	51.1	56.8	64.0	69.2	75.2	73.9	68.7	59.5	50.3	45.6	58.9
	Spokane	31.3	39.0	46.2	56.7	66.1	74.0	84.0	81.7	72.4	58.3	41.4	34.2	57.1
WV	Charleston	41.8	45.4	55.4	67.3	76.0	82.5	85.2	84.2	78.7	67.7	55.8	45.9	65.5
WI	Milwaukee	26.0	30.1	39.2	53.5	64.6	75.0	79.8	78.4	71.2	59.9	44.7	32.0	54.6
WY	Cheyenne	37.3	40.7	43.6	54.0	64.6	75.4	83.1	80.6	72.1	61.0	46.5	40.4	58.3
PR	San Juan	82.7	83.2	84.2	85.2	86.7	88.0	87.9	88.2	88.2	87.9	85.7	83.6	86.0

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Digitized by Google

No. 347. Normal Daily Minimum Temperature—Selected Cities

[**In Fahrenheit degrees.** Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

State	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	40.9	43.2	49.8	57.7	64.6	70.6	73.2	72.9	69.3	57.5	47.9	42.9	57.6
AK	Juneau	16.1	21.9	25.0	31.3	38.1	44.2	47.4	46.6	42.3	36.5	28.0	22.1	33.3
AZ	Phoenix	39.4	42.5	46.7	53.0	61.5	70.6	79.5	77.5	70.9	59.1	46.9	40.2	57.3
AR	Little Rock	29.9	33.6	41.2	50.9	59.2	67.5	71.4	69.6	63.0	50.4	40.0	33.2	50.8
CA	Los Angeles	47.3	48.6	49.7	52.2	55.7	59.1	62.6	64.0	62.5	58.5	52.1	47.8	55.0
	Sacramento	37.9	41.2	42.4	45.3	50.1	55.1	57.9	57.6	55.8	50.0	42.8	37.9	47.8
	San Francisco	41.5	44.1	44.9	46.6	49.3	52.0	53.3	54.2	54.3	51.2	46.3	42.2	48.3
CO	Denver	15.9	20.2	24.7	33.7	43.6	52.4	58.7	57.0	47.7	36.9	25.1	18.9	36.2
CT	Hartford	16.7	18.8	28.0	37.6	47.3	57.0	61.9	60.0	51.7	40.9	32.5	20.9	39.5
DE	Wilmington	23.2	24.6	32.6	41.8	51.7	61.2	66.3	65.4	58.0	45.9	36.4	27.3	44.5
DC	Washington	27.5	29.0	36.6	46.2	56.1	65.0	69.9	68.7	62.0	49.7	39.9	31.2	48.5
FL	Jacksonville	41.7	43.3	49.3	55.7	63.0	69.1	71.6	71.8	69.4	59.2	49.2	43.2	57.2
	Miami	59.2	59.7	64.1	68.2	71.9	74.6	76.2	76.5	75.7	71.6	65.6	60.8	68.7
GA	Atlanta	32.6	34.5	41.7	50.4	58.7	65.9	69.2	68.7	63.6	51.4	41.3	34.8	51.1
HI	Honolulu	65.3	65.3	67.3	68.7	70.2	71.9	73.1	73.6	72.9	72.2	69.2	66.5	69.7
ID	Boise	22.6	27.9	30.9	36.4	44.0	51.6	58.5	56.7	48.7	39.1	30.5	24.6	39.3
IL	Chicago	13.6	18.1	27.6	38.8	48.1	57.7	62.7	61.7	53.9	42.9	31.4	20.3	39.7
	Peoria	13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
IN	Indianapolis	17.8	21.1	30.7	41.2	51.5	60.9	64.9	62.7	55.3	43.4	32.8	23.7	42.2
IA	Des Moines	10.1	15.8	26.0	39.9	51.6	61.4	66.3	63.7	54.4	43.3	29.5	17.6	40.0
KS	Wichita	19.4	24.1	32.4	44.5	54.6	64.7	69.8	67.9	59.2	46.9	33.5	24.2	45.1
KY	Louisville	24.1	26.6	35.2	45.6	54.6	63.3	67.5	66.1	59.1	46.2	36.6	28.9	46.2
LA	New Orleans	43.0	44.8	51.6	58.8	65.3	70.9	73.5	73.1	70.1	59.0	49.9	44.8	58.7
ME	Portland	11.9	12.9	23.7	33.0	42.1	51.4	57.3	55.8	47.7	37.9	29.6	16.7	35.0
MD	Baltimore	24.3	25.7	33.4	42.9	52.5	61.5	66.5	65.7	58.6	46.1	36.6	27.9	45.1
MA	Boston	22.8	23.7	31.8	40.8	50.0	59.3	65.1	63.9	56.9	47.1	38.7	27.1	43.9
MI	Detroit	16.1	18.0	26.5	36.9	46.7	56.3	60.7	59.4	52.2	41.2	31.4	21.6	38.9
	Sault Ste. Marie	5.4	5.3	15.4	29.0	38.3	46.7	51.9	52.4	45.3	36.9	26.4	12.7	30.5
MN	Duluth	−2.9	2.2	13.9	28.9	39.3	48.2	54.3	52.8	44.3	35.4	21.2	5.6	28.6
	Minneapolis-St. Paul	2.4	8.5	20.8	36.0	47.6	57.7	62.7	60.3	50.2	39.4	25.3	11.7	35.2
MS	Jackson	34.9	37.2	44.2	52.9	60.8	67.9	71.3	70.2	65.1	51.4	42.3	37.1	52.9
MO	Kansas City	17.2	23.0	31.7	44.4	54.6	63.8	68.5	66.5	58.1	47.0	34.0	23.7	44.4
	St. Louis	19.9	24.5	33.0	45.1	54.7	64.3	68.8	66.6	58.6	46.7	35.1	25.2	45.3
MT	Great Falls	9.2	16.8	21.1	31.3	41.1	49.4	54.4	53.0	44.2	36.2	24.5	16.6	33.2
NE	Omaha	10.2	17.1	26.9	40.3	51.8	61.7	66.8	64.2	54.0	42.0	28.6	17.4	40.1
NV	Reno	19.5	23.5	25.4	29.4	36.9	43.0	47.7	45.2	38.9	30.5	23.8	18.9	31.9
NH	Concord	9.0	11.0	22.2	31.6	41.4	51.6	56.4	54.5	46.2	35.5	27.3	14.5	33.4
NJ	Atlantic City	22.9	23.9	31.6	40.4	49.9	58.8	64.8	63.5	56.4	44.8	35.8	26.6	43.3
NM	Albuquerque	22.3	25.9	31.7	39.5	48.6	58.4	64.7	62.8	54.9	43.1	30.7	23.2	42.1
NY	Albany	11.9	14.0	24.6	35.5	45.4	55.0	59.6	57.6	49.6	39.4	30.8	18.2	36.8
	Buffalo	17.0	17.5	25.6	36.3	46.3	56.4	61.2	59.6	52.7	42.7	33.6	22.5	39.3
	New York [1]	25.6	26.6	34.1	43.8	53.3	62.7	68.2	67.1	60.1	49.9	40.8	30.3	46.9
NC	Charlotte	30.7	32.1	39.1	48.4	57.2	64.7	68.7	68.2	62.3	49.6	39.7	32.6	49.4
	Raleigh	29.1	30.3	37.7	46.5	55.3	62.6	67.1	66.8	60.4	47.7	38.1	31.2	47.7
ND	Bismarck	−4.2	3.7	15.6	30.8	42.0	51.8	56.4	54.2	43.2	32.8	17.7	4.6	29.1
OH	Cincinnati	20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	56.3	43.9	34.1	25.7	43.2
	Cleveland	16.5	19.9	28.4	38.3	47.9	57.2	61.4	60.5	54.0	43.6	34.3	24.6	40.7
	Columbus	19.4	21.5	30.8	40.5	50.2	59.0	63.2	61.7	54.6	42.8	33.5	24.7	41.8
OK	Oklahoma City	25.2	29.4	37.1	48.6	57.7	66.3	70.6	69.4	61.9	50.2	37.6	29.1	48.6
OR	Portland	33.5	36.0	37.4	40.6	46.4	52.2	55.8	55.8	51.1	44.6	38.6	35.4	44.0
PA	Philadelphia	23.8	25.0	33.1	42.6	52.5	61.5	66.8	66.0	58.6	46.5	37.1	28.0	45.1
	Pittsburgh	19.2	20.7	29.4	39.5	48.5	57.1	61.3	60.1	53.3	42.1	33.3	24.3	40.7
RI	Providence	20.0	20.9	29.2	38.3	47.6	57.0	63.3	61.9	53.8	43.1	34.8	24.1	41.2
SC	Columbia	33.2	34.6	41.9	50.5	59.1	66.1	70.1	69.4	63.9	50.3	40.6	34.7	51.2
SD	Sioux Falls	1.9	6.9	20.6	34.6	45.7	56.3	61.8	59.7	48.5	36.7	22.3	10.1	33.9
TN	Memphis	30.9	34.1	41.9	52.2	60.9	68.9	72.6	70.8	64.1	51.3	41.1	34.3	51.9
	Nashville	27.8	30.1	38.3	48.1	56.9	64.6	69.0	67.6	61.3	48.0	38.0	31.3	48.5
TX	Dallas-Fort Worth	33.9	37.8	44.9	55.0	62.9	70.8	74.7	73.7	67.5	56.3	44.9	37.4	55.0
	El Paso	30.4	34.1	40.5	48.5	56.6	65.7	69.6	67.5	60.6	48.7	37.0	30.6	49.2
	Houston	40.8	43.2	49.8	58.3	64.7	70.2	72.5	72.1	68.1	57.5	48.6	42.7	57.4
UT	Salt Lake City	19.7	24.4	29.9	37.2	45.2	53.3	61.8	59.7	50.0	39.3	29.2	21.6	39.3
VT	Burlington	7.7	8.8	20.8	32.7	44.0	54.0	59.6	56.6	48.7	38.7	29.6	14.9	34.6
VA	Norfolk	31.7	32.3	39.4	48.1	57.2	65.3	69.9	69.6	64.2	52.6	43.0	35.0	50.7
	Richmond	26.5	28.1	35.8	45.1	54.2	62.2	67.2	66.4	59.3	46.7	37.3	29.6	46.5
WA	Seattle-Tacoma	34.3	36.8	37.2	40.5	46.0	51.1	54.3	54.3	51.2	45.3	39.3	36.3	43.9
	Spokane	20.0	25.7	29.0	34.9	42.5	49.3	55.3	54.3	46.5	36.7	28.5	23.7	37.2
WV	Charleston	23.9	25.8	34.1	43.3	51.8	59.4	63.8	63.1	56.4	44.0	35.0	27.8	44.0
WI	Milwaukee	11.3	15.8	24.9	35.6	44.7	54.7	61.1	60.2	52.5	41.9	29.9	16.2	37.6
WY	Cheyenne	14.8	17.9	20.6	29.6	39.7	48.5	54.6	52.8	43.7	34.0	23.1	18.2	33.1
PR	San Juan	70.3	70.0	70.8	72.3	73.9	75.3	76.1	76.1	75.5	74.9	73.4	71.8	73.4

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Digitized by Google

NO. 348. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1986]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	45	84	82	90	92	100	102	104	102	99	93	87	81	104
AK	Juneau [1]	42	57	55	59	71	82	86	90	83	72	61	56	54	90
AZ	Phoenix	49	86	89	95	104	113	117	118	116	118	107	93	88	118
AR	Little Rock	45	83	84	91	92	98	104	109	108	106	97	86	80	109
CA	Los Angeles	51	86	92	93	95	97	104	97	98	110	108	101	94	110
	Sacramento	36	70	76	86	92	105	115	114	106	106	101	87	72	115
	San Francisco	59	72	78	85	82	97	108	104	98	103	97	85	75	106
CO	Denver	52	73	75	84	85	96	104	104	101	97	86	79	75	104
CT	Hartford	32	65	73	87	96	97	100	102	101	99	91	81	74	102
DE	Wilmington	39	75	76	86	94	95	99	102	101	100	91	85	74	102
DC	Washington	45	79	82	89	95	97	101	103	101	101	94	86	75	103
FL	Jacksonville	45	85	88	91	95	100	103	105	102	100	96	88	84	105
	Miami	44	86	89	92	96	94	96	96	96	95	95	89	87	96
GA	Atlanta	36	79	79	85	91	95	101	105	102	98	95	84	77	105
HI	Honolulu	17	87	86	86	89	90	91	92	93	93	94	90	89	94
ID	Boise	47	63	69	81	92	96	109	111	110	102	91	73	65	111
IL	Chicago	28	81	71	88	91	93	99	102	99	99	91	76	71	102
	Peoria	47	86	72	86	92	92	100	103	102	100	90	81	71	103
IN	Indianapolis	47	71	74	85	89	93	102	104	100	100	90	81	74	104
IA	Des Moines	47	82	73	91	93	98	101	105	108	101	95	76	69	106
KS	Wichita	47	82	84	89	98	100	110	113	110	105	96	85	83	113
KY	Louisville	39	77	77	86	91	95	102	105	101	104	92	84	76	105
LA	New Orleans	40	83	85	89	91	96	100	101	102	101	92	87	84	102
ME	Portland	46	64	64	86	85	92	97	99	103	95	88	74	69	103
MD	Baltimore	36	75	79	87	94	96	100	102	105	100	92	83	77	105
MA	Boston	35	63	70	81	94	95	100	102	102	100	90	77	73	102
MI	Detroit	27	62	65	77	89	92	99	102	97	96	91	77	68	102
	Sault Ste. Marie	46	45	47	75	83	89	93	97	96	95	86	66	60	96
MN	Duluth	45	52	55	76	86	90	93	97	97	95	86	70	55	97
	Minneapolis-St. Paul	48	48	60	83	95	96	102	104	102	96	89	75	63	104
MS	Jackson	23	82	84	89	92	99	103	106	102	104	92	86	84	106
MO	Kansas City	14	86	78	82	90	92	105	107	109	98	92	82	70	109
	St. Louis	29	76	85	89	92	92	98	107	107	104	94	82	78	107
MT	Great Falls	49	62	68	78	89	93	99	105	106	98	91	76	69	106
NE	Omaha	50	69	76	89	93	99	105	114	110	104	96	80	72	114
NV	Reno	45	70	75	83	89	98	101	104	105	101	91	77	70	105
NH	Concord	45	66	66	85	95	97	98	102	101	98	90	80	68	102
NJ	Atlantic City	43	78	75	87	94	99	106	104	102	99	90	84	75	106
NM	Albuquerque	47	89	75	85	89	98	105	105	101	100	91	77	72	105
NY	Albany	40	62	67	86	92	94	99	100	99	100	89	82	71	100
	Buffalo	43	72	81	86	91	90	95	97	94	93	87	80	74	97
	New York [2]	118	72	75	86	96	99	101	106	104	102	94	84	72	106
NC	Charlotte	47	78	81	90	93	100	103	103	103	104	96	85	77	104
	Raleigh	42	79	84	92	95	97	104	105	101	104	96	88	79	105
ND	Bismarck	47	62	66	81	93	98	100	109	109	105	95	75	65	109
OH	Cincinnati	25	69	73	84	89	93	97	101	102	96	88	80	75	102
	Cleveland	45	73	66	83	89	92	101	103	101	101	90	82	77	103
	Columbus	47	74	73	85	89	94	102	100	101	100	90	80	76	102
OK	Oklahoma City	33	80	84	93	100	104	105	109	110	102	96	87	86	110
OR	Portland	46	62	70	80	87	100	100	107	107	101	90	73	64	107
PA	Philadelphia	45	74	74	87	94	96	100	104	101	100	96	81	72	104
	Pittsburgh	34	69	69	82	88	91	96	99	97	97	87	82	74	99
RI	Providence	33	66	72	78	96	94	96	100	104	100	88	78	70	104
SC	Columbia	39	84	84	91	94	101	107	107	107	101	101	90	83	107
SD	Sioux Falls	41	66	70	87	94	100	101	106	106	104	94	76	61	106
TN	Memphis	45	78	81	85	91	99	104	108	105	103	95	85	81	108
	Nashville	47	78	84	86	90	97	106	107	104	105	94	84	79	107
TX	Dallas-Fort Worth	33	86	86	96	95	103	113	110	106	106	102	89	88	113
	El Paso	47	80	83	88	96	104	111	112	108	104	96	87	80	112
	Houston	17	84	91	90	92	95	103	104	107	102	94	86	83	107
UT	Salt Lake City	58	62	69	78	85	93	104	107	104	100	89	75	67	107
VT	Burlington	43	63	62	84	91	93	98	99	101	94	85	75	65	101
VA	Norfolk	38	78	81	88	97	97	101	103	104	99	95	86	80	104
	Richmond	57	80	83	93	96	100	104	105	102	103	99	86	80	105
WA	Seattle	42	64	70	72	85	93	98	98	99	94	82	74	63	99
	Spokane	39	59	61	71	90	96	100	103	108	96	86	67	58	108
WV	Charleston	39	79	78	87	92	93	98	102	100	102	92	85	80	102
WI	Milwaukee	46	62	65	82	91	92	99	101	100	98	89	77	63	101
WY	Cheyenne	51	66	71	74	82	90	100	100	98	93	83	73	69	100
PR	San Juan	32	92	96	96	97	96	97	95	97	97	96	96	91	98

[1] For period of record through 1965.
[2] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

Digitized by Google

NO. 349. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1986]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	45	3	11	21	36	43	49	60	59	42	32	22	8	3
AK	Juneau [1]	42	−22	−22	−15	6	25	31	36	27	23	11	−5	−21	−22
AZ	Phoenix	49	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock	45	−4	−5	11	26	40	48	54	52	37	30	17	−1	−5
CA	Los Angeles	51	23	32	34	39	43	48	49	51	47	41	34	32	23
	Sacramento	38	23	26	26	32	36	41	48	49	43	36	28	20	20
	San Francisco	59	24	25	30	31	36	41	43	42	38	34	25	20	20
CO	Denver	52	−25	−30	−11	−2	22	30	43	41	17	3	−8	−21	−30
CT	Hartford	32	−26	−21	−6	9	26	37	44	36	30	17	9	−14	−26
DE	Wilmington	39	−14	−6	2	18	30	41	50	43	36	24	14	−7	−14
DC	Washington	45	−5	4	11	24	34	47	55	49	39	29	18	1	−5
FL	Jacksonville	45	7	19	23	35	45	47	61	63	48	36	21	11	7
	Miami	44	30	32	32	46	53	60	69	68	68	51	39	33	30
GA	Atlanta	38	−8	5	10	26	37	46	53	55	36	26	9	0	−8
HI	Honolulu	17	53	53	55	57	60	65	67	67	66	64	56	54	53
ID	Boise	47	−17	−12	6	19	22	31	35	37	23	11	−3	−23	−23
IL	Chicago	26	−27	−17	−8	7	24	36	40	41	28	17	1	−25	−27
	Peoria	47	−25	−18	−10	14	25	39	47	41	26	19	−2	−18	−25
IN	Indianapolis	47	−22	−21	−7	18	28	39	44	41	28	17	−2	−17	−22
IA	Des Moines	47	−24	−20	−22	9	30	38	47	40	26	14	−3	−19	−24
KS	Wichita	34	−12	−21	−2	15	31	43	51	48	31	21	1	−10	−21
KY	Louisville	39	−20	−19	−1	22	31	42	50	46	33	23	−1	−9	−20
LA	New Orleans	40	14	19	25	32	41	50	60	60	42	35	24	14	14
ME	Portland	48	−26	−39	−21	8	23	33	40	33	23	15	5	−21	−39
MD	Baltimore	38	−7	−3	6	20	32	40	51	45	35	25	13	0	−7
MA	Boston	35	−12	−14	6	16	34	45	54	47	38	28	17	−7	−12
MI	Detroit	27	−21	−15	−4	10	25	36	41	38	29	17	9	−10	−21
	Sault Ste. Marie	46	−36	−35	−24	−2	18	26	36	29	25	16	−10	−25	−36
MN	Duluth	45	−39	−32	−26	−5	17	27	36	32	22	8	−23	−34	−39
	Minneapolis-St. Paul	48	−34	−26	−32	2	18	34	43	39	26	15	−17	−29	−34
MS	Jackson	23	2	11	15	30	36	47	51	55	35	30	17	7	2
MO	Kansas City	14	−17	−19	−10	12	30	43	52	49	33	21	1	−21	−21
	St. Louis	29	−18	−12	0	22	31	43	51	47	36	23	−1	−18	−18
MT	Great Falls	49	−37	−35	−29	−6	15	31	40	35	21	−9	−25	−43	−43
NE	Omaha	50	−23	−21	−16	5	27	38	44	43	25	13	−9	−21	−23
NV	Reno	45	−16	−12	−2	13	18	25	33	24	20	8	1	−16	−16
NH	Concord	45	−33	−37	−16	8	21	30	35	29	21	10	−1	−22	−37
NJ	Atlantic City	43	−10	−11	5	12	25	37	46	40	32	23	11	−7	−11
NM	Albuquerque	47	−11	−8	8	19	26	40	52	54	37	25	−7	3	−17
NY	Albany	40	−26	−21	−21	10	26	36	40	34	24	18	5	−22	−26
	Buffalo	43	−18	−20	−7	12	26	35	43	38	32	20	9	−10	−20
	New York [2]	118	−6	−15	3	12	32	44	52	50	39	28	5	−13	−15
NC	Charlotte	47	−5	5	4	24	32	45	53	53	39	24	11	2	−5
	Raleigh	42	−9	5	11	23	31	38	48	46	37	19	11	4	−9
ND	Bismarck	47	−44	−39	−31	−12	15	30	35	33	11	5	−30	−43	−44
OH	Cincinnati	25	−25	−11	−11	17	27	39	47	43	33	18	1	−12	−25
	Cleveland	45	−19	−15	−5	10	25	31	41	38	32	22	3	−11	−19
	Columbus	47	−19	−13	−6	14	25	35	43	39	31	20	5	−12	−19
OK	Oklahoma City	33	−4	−3	3	20	37	47	53	51	37	22	11	−3	−4
OR	Portland	48	−2	−3	19	29	29	39	43	44	34	28	13	8	−3
PA	Philadelphia	45	−7	−4	7	19	28	44	51	45	35	25	15	1	−7
	Pittsburgh	34	−18	−12	−1	14	26	34	42	39	31	18	−1	−12	−18
RI	Providence	33	−13	−7	1	14	29	41	49	40	33	20	14	−10	−13
SC	Columbia	39	−1	5	4	26	34	44	54	53	40	23	12	4	−1
SD	Sioux Falls	41	−36	−31	−23	5	17	33	38	34	22	9	−17	−26	−36
TN	Memphis	45	−4	−11	12	29	38	48	52	48	36	25	9	−13	−13
	Nashville	47	−17	−13	2	23	34	42	51	47	36	26	−1	−7	−17
TX	Dallas-Fort Worth	33	4	7	15	30	41	51	59	56	43	29	20	5	4
	El Paso	47	−8	8	14	23	31	48	57	56	41	25	1	5	−8
	Houston	17	12	20	22	31	44	52	62	62	48	33	19	11	11
UT	Salt Lake City	58	−22	−30	2	14	25	35	40	37	27	18	−14	−21	−30
VT	Burlington	43	−30	−30	−20	2	24	33	39	35	25	15	−2	−26	−30
VA	Norfolk	38	−3	8	18	28	36	45	54	49	45	27	20	7	−3
	Richmond	57	−12	−10	11	23	31	40	51	46	35	21	10	−1	−12
WA	Seattle	42	0	1	11	29	26	38	43	44	35	28	6	6	0
	Spokane	39	−22	−17	−3	17	24	33	37	35	24	11	−21	−25	−25
WV	Charleston	39	−15	−8	0	19	26	33	46	41	34	17	6	−10	−15
WI	Milwaukee	48	−26	−19	−10	12	21	33	40	44	28	18	−5	−20	−26
WY	Cheyenne	51	−29	−34	−21	−8	16	25	36	36	8	2	−14	−28	−34
PR	San Juan	32	61	62	60	64	66	69	69	70	69	67	66	63	60

[1] For period of record through 1985. [2] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

Digitized by Google

NO. 350. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

[In inches. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 164–267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.59	4.91	6.48	5.35	5.46	5.07	7.74	6.75	6.56	2.62	3.67	5.44	64.84
AK	Juneau	3.69	3.74	3.34	2.92	3.41	2.98	4.13	5.02	6.40	7.71	5.15	4.66	53.15
AZ	Phoenix	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
AR	Little Rock	3.91	3.83	4.69	5.41	5.29	3.67	3.63	3.07	4.26	2.84	4.37	4.23	49.20
CA	Los Angeles	3.06	2.49	1.76	.93	.14	.04	.01	.10	.15	.26	1.52	1.62	12.08
	Sacramento	4.03	2.88	2.06	1.31	.33	.11	.05	.07	.27	.86	2.23	2.90	17.10
	San Francisco	4.65	3.23	2.64	1.53	.32	.11	.03	.05	.19	1.06	2.35	3.55	19.71
CO	Denver	.51	.69	1.21	1.81	2.47	1.58	1.93	1.53	1.23	.98	.82	.55	15.31
CT	Hartford	3.53	3.19	4.15	4.02	3.37	3.38	3.09	4.00	3.94	3.51	4.05	4.16	44.39
DE	Wilmington	3.11	2.99	3.87	3.39	3.23	3.51	3.90	4.03	3.59	2.89	3.33	3.54	41.38
DC	Washington	2.76	2.62	3.46	2.93	3.48	3.35	3.88	4.40	3.22	2.90	2.82	3.18	39.00
FL	Jacksonville	3.07	3.48	3.72	3.32	4.91	5.37	6.54	7.15	7.26	3.41	1.94	2.59	52.76
	Miami	2.08	2.05	1.89	3.07	6.53	9.15	5.96	7.02	8.07	7.14	2.71	1.86	57.55
GA	Atlanta	4.91	4.43	5.91	4.43	4.02	3.41	4.73	3.41	3.17	2.53	3.43	4.23	48.61
HI	Honolulu	3.79	2.72	3.48	1.49	.81	.49	.54	.60	.62	1.88	2.22	3.43	23.47
ID	Boise	1.64	1.07	1.03	1.19	1.21	.95	.26	.40	.58	.75	1.29	1.34	11.71
IL	Chicago	1.60	1.31	2.59	3.66	3.15	4.08	3.63	3.53	3.35	2.28	2.06	2.10	33.34
	Peoria	1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
IN	Indianapolis	2.65	2.46	3.61	3.68	3.66	3.99	4.32	3.46	2.74	2.51	3.04	3.00	39.12
IA	Des Moines	1.01	1.12	2.20	3.21	3.96	4.18	3.22	4.11	3.09	2.16	1.52	1.05	30.83
KS	Wichita	.68	.85	2.01	2.30	3.91	4.06	3.62	2.80	3.45	2.47	1.47	.99	28.81
KY	Louisville	3.38	3.23	4.73	4.11	4.15	3.60	4.10	3.91	3.35	2.63	3.49	3.48	43.56
LA	New Orleans	4.97	5.23	4.73	4.50	5.07	4.63	6.73	6.02	5.87	2.66	4.06	5.27	59.74
ME	Portland	3.78	3.57	3.98	3.90	3.27	3.06	2.83	2.62	3.27	3.83	4.70	4.51	43.52
MD	Baltimore	3.00	2.98	3.72	3.35	3.44	3.76	3.89	4.62	3.46	3.11	3.11	3.40	41.84
MA	Boston	3.99	3.70	4.13	3.73	3.52	2.92	2.68	3.68	3.41	3.36	4.21	4.48	43.81
MI	Detroit	1.86	1.69	2.54	3.15	2.77	3.43	3.10	3.21	2.25	2.12	2.33	2.52	30.97
	Sault Ste. Marie	2.20	1.69	2.03	2.38	2.63	3.27	3.10	3.46	3.35	2.83	3.20	2.57	33.48
MN	Duluth	1.20	.90	1.78	2.16	3.15	3.96	3.96	4.12	3.26	2.21	1.69	1.29	29.68
	Minneapolis-St. Paul	.82	.85	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87	26.36
MS	Jackson	5.00	4.48	5.86	5.85	4.83	2.94	4.40	3.71	3.55	2.62	4.18	5.40	52.82
MO	Kansas City	1.08	1.19	2.41	3.23	4.42	4.66	4.35	3.57	4.14	3.10	1.63	1.38	35.18
	St. Louis	1.72	2.14	3.28	3.55	3.54	3.73	3.63	2.55	2.70	2.32	2.53	2.22	33.91
MT	Great Falls	1.00	.75	.93	1.49	2.52	2.75	1.10	1.31	1.03	.82	.74	.80	15.24
NE	Omaha	.77	.91	1.91	2.94	4.33	4.06	3.62	4.10	3.50	2.09	1.32	.77	30.34
NV	Reno	1.24	.95	.74	.46	.74	.34	.30	.27	.30	.34	.60	1.21	7.49
NH	Concord	2.78	2.47	2.93	3.01	2.93	2.91	2.93	3.26	3.12	3.10	3.66	3.43	36.53
NJ	Atlantic City	3.47	3.34	4.04	3.20	3.07	2.78	4.02	4.72	2.89	3.06	3.73	3.61	41.93
NM	Albuquerque	.41	.40	.52	.40	.46	.51	1.30	1.51	.85	.86	.38	.52	8.12
NY	Albany	2.39	2.26	3.01	2.94	3.31	3.29	3.00	3.34	3.23	2.93	3.04	3.00	35.74
	Buffalo	3.02	2.40	2.97	3.06	2.89	2.72	2.96	4.16	3.37	2.93	3.62	3.42	37.52
	New York [1]	3.21	3.13	4.22	3.75	3.76	3.23	3.77	4.03	3.55	3.41	4.14	3.81	44.12
NC	Charlotte	3.80	3.81	4.83	3.27	3.64	3.57	3.92	3.75	3.59	2.72	2.86	3.40	43.16
	Raleigh	3.55	3.43	3.69	2.91	3.67	3.66	4.38	4.44	3.29	2.73	2.87	3.14	41.76
ND	Bismarck	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
OH	Cincinnati	3.13	2.73	3.95	3.58	3.84	4.09	4.28	2.97	2.91	2.54	3.12	3.00	40.14
	Cleveland	2.47	2.20	2.99	3.32	3.30	3.49	3.37	3.39	2.92	2.45	2.76	2.75	35.40
	Columbus	2.27	2.18	3.23	3.41	3.78	4.01	4.01	3.70	2.76	1.91	2.64	2.61	36.97
OK	Oklahoma City	.96	1.29	2.07	2.91	5.50	3.87	3.04	2.40	3.41	2.71	1.53	1.20	30.89
OR	Portland	6.16	3.93	3.61	2.31	2.08	1.47	.46	1.13	1.61	3.05	5.17	6.41	37.39
PA	Philadelphia	3.18	2.81	3.86	3.47	3.18	3.82	3.88	4.10	3.42	2.83	3.32	3.45	41.42
	Pittsburgh	2.86	2.40	3.58	3.28	3.54	3.30	3.83	3.31	2.80	2.49	2.34	2.57	36.30
RI	Providence	4.06	3.72	4.29	3.95	3.48	2.79	3.01	4.04	3.54	3.75	4.22	4.47	45.32
SC	Columbia	4.38	3.99	5.16	3.59	3.85	4.45	5.35	5.56	4.23	2.55	2.51	3.50	49.12
SD	Sioux Falls	.64	.93	1.58	2.96	3.21	3.70	2.71	3.13	2.79	1.57	1.92	.72	24.12
TN	Memphis	4.61	4.33	5.44	5.77	5.06	3.58	4.03	3.74	3.62	2.37	4.17	4.85	51.57
	Nashville	4.49	4.03	5.58	4.47	4.56	3.70	3.82	3.40	3.71	2.58	3.52	4.63	48.49
TX	Dallas-Fort Worth	1.65	1.93	2.42	3.63	4.27	2.59	2.00	1.76	3.31	2.47	1.78	1.67	29.46
	El Paso	.38	.45	.32	.19	.24	.56	1.60	1.21	1.42	.73	.33	.39	7.82
	Houston	3.21	3.25	2.68	4.24	4.69	4.06	3.33	3.66	4.93	3.67	3.38	3.66	44.76
UT	Salt Lake City	1.35	1.33	1.72	2.21	1.47	1.00	.72	.92	.90	1.14	1.22	1.37	15.31
VT	Burlington	1.85	1.73	2.20	2.77	2.95	3.64	3.43	3.87	3.20	2.81	2.80	2.43	33.69
VA	Norfolk	3.72	3.28	3.86	2.87	3.75	3.45	5.15	5.33	4.35	3.41	2.86	3.17	45.22
	Richmond	3.23	3.13	3.57	2.90	3.55	3.60	5.14	5.01	3.52	3.74	3.29	3.39	44.07
WA	Seattle-Tacoma	6.04	4.22	3.59	2.40	1.58	1.38	.74	1.27	2.02	3.43	5.60	6.33	38.60
	Spokane	2.47	1.81	1.36	1.08	1.38	1.23	.50	.74	.71	1.08	2.06	2.49	16.71
WV	Charleston	3.48	3.11	4.00	3.52	3.68	3.32	5.36	4.15	3.01	2.63	2.90	3.27	42.43
WI	Milwaukee	1.64	1.33	2.58	3.37	2.66	3.59	3.54	3.09	2.88	2.25	1.98	2.03	30.94
WY	Cheyenne	.41	.40	.97	1.24	2.39	2.00	1.87	1.39	1.06	.68	.53	.37	13.31
PR	San Juan	3.01	2.02	2.31	3.62	5.64	4.66	4.87	5.93	5.99	5.89	5.59	4.46	53.99

[1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982

Digitized by Google

NO. 351. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIES

[Airport data, except as noted. For period of record through 1986 except as noted. Annual data may not equal the sum of the monthly values due to rounding]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	45	11	10	11	7	8	11	16	14	10	6	8	10	122
AK	Juneau [1]	42	18	17	18	17	17	18	17	18	20	24	19	21	220
AZ	Phoenix	47	4	4	4	2	1	1	4	5	3	3	2	4	36
AR	Little Rock	44	10	9	10	10	10	8	8	7	7	7	8	9	104
CA	Los Angeles	51	6	6	6	3	1	(Z)	1	(Z)	1	2	4	5	36
	Sacramento	47	10	9	8	5	3	1	(Z)	(Z)	1	3	7	9	58
	San Francisco	59	11	10	10	6	3	1	(Z)	1	1	4	7	10	82
CO	Denver	52	6	6	9	9	11	9	9	9	6	5	5	5	88
CT	Hartford	32	11	10	11	11	12	11	10	10	9	8	11	12	127
DE	Wilmington	39	11	10	11	11	11	10	9	9	8	8	10	10	117
DC	Washington	45	10	9	11	10	11	9	10	9	8	7	8	9	112
FL	Jacksonville	45	8	8	8	6	8	12	15	15	13	9	6	8	116
	Miami	44	7	6	6	6	10	15	16	17	17	14	8	7	129
GA	Atlanta	52	11	10	11	9	9	10	12	10	8	6	8	10	115
HI	Honolulu [1]	37	10	9	9	9	7	6	8	6	7	9	9	10	100
ID	Boise	47	12	11	10	8	8	8	2	3	4	8	10	12	92
IL	Chicago	28	11	10	13	11	10	10	9	10	9	10	10	11	127
	Peoria	47	9	8	11	12	12	10	9	8	9	8	9	10	114
IN	Indianapolis	47	12	10	13	12	12	10	9	9	8	8	10	12	125
IA	Des Moines	47	7	7	10	11	11	11	9	9	9	8	7	8	107
KS	Wichita	33	5	5	8	8	11	9	7	7	8	8	5	6	86
KY	Louisville	39	11	11	13	12	12	10	11	9	8	8	10	11	125
LA	New Orleans	38	10	9	9	7	8	10	15	13	10	6	7	10	114
ME	Portland	46	11	10	11	12	13	11	10	9	8	9	12	12	128
MD	Baltimore	36	10	9	11	11	11	9	9	10	7	7	9	9	113
MA	Boston	35	12	11	12	11	12	11	9	10	9	9	11	12	127
MI	Detroit	27	13	11	13	13	11	10	9	9	10	9	12	14	134
	Sault Ste. Marie	45	19	15	13	11	11	12	10	11	13	13	17	20	166
MN	Duluth	45	12	10	11	11	12	13	11	11	12	10	11	12	135
	Minneapolis-St. Paul	48	9	8	10	10	11	12	10	10	10	8	8	9	115
MS	Jackson	23	11	9	10	9	9	8	10	10	8	6	8	10	109
MO	Kansas City	14	8	7	11	11	11	10	8	9	8	8	8	8	107
	St. Louis	29	8	8	11	11	10	10	9	8	8	8	9	9	111
MT	Great Falls	49	9	8	9	9	11	12	7	8	7	6	7	8	101
NE	Omaha	50	6	7	9	10	12	11	9	9	9	7	5	6	98
NV	Reno	44	8	6	6	4	4	3	2	2	2	3	5	6	51
NH	Concord	45	11	10	11	12	12	11	10	10	9	9	11	11	125
NJ	Atlantic City	43	11	10	11	11	10	9	9	9	7	8	9	10	112
NM	Albuquerque	47	4	4	5	3	4	5	9	9	6	5	5	4	60
NY	Albany	40	12	11	12	12	13	11	10	10	10	9	12	12	135
	Buffalo	43	20	17	16	14	12	10	10	11	11	11	16	20	169
	New York [2]	117	11	10	11	11	11	10	10	10	8	8	9	10	121
NC	Charlotte	47	10	10	11	9	10	10	11	10	7	7	8	10	111
	Raleigh	42	10	10	10	9	10	9	11	10	7	7	8	9	111
ND	Bismarck	47	8	7	8	8	10	12	9	9	7	6	6	8	97
OH	Cincinnati	39	12	11	13	13	12	11	10	9	8	8	11	12	129
	Cleveland	45	16	14	16	14	13	11	10	10	10	11	14	16	156
	Columbus	47	13	12	14	13	13	11	11	9	8	9	11	13	137
OK	Oklahoma City	47	5	6	7	8	10	9	6	6	7	6	5	5	82
OR	Portland	46	18	16	17	14	12	9	4	5	8	13	18	19	153
PA	Philadelphia	48	11	9	11	11	11	10	9	9	8	8	10	10	117
	Pittsburgh	34	17	14	16	14	12	12	11	10	9	11	13	16	154
RI	Providence	33	11	10	12	11	11	11	9	10	8	8	11	12	125
SC	Columbia	39	10	10	10	8	9	9	12	11	7	6	7	9	109
SD	Sioux Falls	41	8	8	9	9	10	11	9	9	8	8	6	6	97
TN	Memphis	36	10	9	11	10	9	8	9	8	7	6	9	10	106
	Nashville	45	11	11	12	11	11	9	10	9	8	7	10	11	119
TX	Dallas-Fort Worth	33	7	6	7	8	9	6	5	5	7	6	6	8	78
	El Paso	47	4	3	2	2	2	3	8	8	5	4	3	4	48
	Houston	17	10	8	10	7	8	8	9	10	10	8	9	9	106
UT	Salt Lake City	58	10	9	10	10	8	5	5	6	5	6	8	9	91
VT	Burlington	43	14	12	13	12	14	13	12	12	12	12	14	15	154
VA	Norfolk	38	10	10	11	10	10	9	11	10	8	8	8	9	114
	Richmond	49	10	9	11	9	11	9	11	10	8	7	8	9	113
WA	Seattle	42	19	16	17	14	10	9	5	7	9	13	18	20	157
	Spokane	39	14	12	11	9	9	8	4	5	6	8	13	15	114
WV	Charleston	39	15	14	15	14	13	11	13	11	9	10	12	14	152
WI	Milwaukee	46	11	10	12	12	12	11	10	9	9	9	10	11	125
WY	Cheyenne	51	6	8	9	10	12	11	11	10	7	6	6	5	98
PR	San Juan	31	16	13	12	13	17	16	19	18	17	17	18	19	196

Z Less than ½ day. [1] For period of record through 1985. [2] For period of record through 1983. City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

Digitized by Google

NO. 352. SNOW AND ICE PELLETS

[In inches. Airport data, except as noted. For period of record through 1986. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	45	.1	.1	–	–	–	–	–	–	–	–	T	.1	.3
AK	Juneau	42	26.3	19.4	16.6	4.1	.1	T	–	–	T	1.1	11.3	23.0	101.9
AZ	Phoenix	49	T	–	T	T	–	–	–	–	–	–	–	–	T
AR	Little Rock	44	2.3	1.6	.6	T	–	–	–	–	–	–	.2	.8	5.5
CA	Los Angeles	51	T	T	–	–	–	–	–	–	–	–	–	T	T
	Sacramento	38	T	.1	T	–	–	–	–	–	–	–	–	T	T
	San Francisco	59	–	T	T	–	–	–	–	–	–	–	–	–	T
CO	Denver	52	7.7	7.4	12.8	9.2	1.8	–	–	–	1.7	3.7	8.3	7.0	59.6
CT	Hartford	32	11.8	12.1	10.2	1.8	–	–	–	–	–	.1	1.9	10.9	48.8
DE	Wilmington	39	6.5	6.3	3.5	.2	T	–	–	–	–	.1	.9	3.4	20.9
DC	Washington	43	5.1	5.7	2.2	–	T	–	–	–	–	–	.6	3.2	16.8
FL	Jacksonville	45	T	–	–	–	–	–	–	–	–	–	–	T	T
	Miami	44	–	–	–	–	–	–	–	–	–	–	–	–	–
GA	Atlanta	52	.8	.6	.4	T	–	–	–	–	–	–	–	.2	2.0
HI	Honolulu	40	–	–	–	–	–	–	–	–	–	–	–	–	–
ID	Boise	47	7.0	3.7	1.8	.7	.1	T	T	–	–	.1	2.3	5.9	21.6
IL	Chicago	28	11.2	8.1	7.2	2.0	.1	–	–	–	T	.3	2.1	8.7	39.7
	Peoria	43	6.5	5.2	4.4	1.0	–	–	–	–	–	–	2.2	5.9	25.2
IN	Indianapolis	55	6.2	5.9	3.6	.5	T	–	–	–	–	–	1.9	4.9	23.0
IA	Des Moines	43	8.5	7.2	6.9	2.1	–	–	–	–	T	.3	2.9	6.8	34.7
KS	Wichita	33	4.4	4.5	2.5	.3	–	–	–	–	–	–	1.1	3.2	16.0
KY	Louisville	39	5.8	4.5	3.3	.2	–	–	–	–	–	T	1.2	2.1	17.1
LA	New Orleans	40	–	.1	T	–	–	–	–	–	–	–	T	.1	.2
ME	Portland	46	19.1	17.7	12.9	2.9	.2	–	–	–	T	.3	3.1	15.2	71.4
MD	Baltimore	36	5.5	7.1	4.1	.1	T	–	–	–	–	–	.9	3.6	21.3
MA	Boston	51	12.2	11.5	7.6	.9	–	–	–	–	–	–	1.2	7.6	41.0
MI	Detroit	27	10.0	8.5	6.8	1.8	T	–	–	–	–	.1	3.4	10.7	41.3
	Sault Ste. Marie	45	28.2	19.3	15.1	5.4	.6	T	–	T	.1	2.2	14.7	29.6	115.2
MN	Duluth	43	17.0	11.7	13.9	6.5	.8	–	–	T	–	1.2	11.0	15.5	77.8
	Minneapolis-St. Paul	48	10.0	8.4	11.1	3.1	.2	–	–	–	–	.4	6.9	9.5	49.6
MS	Jackson	23	.7	.2	.2	T	–	–	–	–	–	–	–	–	1.1
MO	Kansas City	52	5.8	4.3	3.8	.8	T	–	–	–	–	–	1.0	4.5	20.2
	St. Louis	50	5.3	4.5	4.2	.9	T	–	–	–	–	T	1.4	3.6	19.9
MT	Great Falls	49	10.0	8.5	10.0	7.3	1.6	.3	T	T	1.5	3.2	7.8	8.8	58.8
NE	Omaha	51	7.7	6.9	6.6	.9	.1	–	–	–	T	.3	2.4	5.7	30.6
NV	Reno	44	5.9	4.7	4.9	1.4	1.0	–	–	–	–	.4	2.3	4.3	24.9
NH	Concord	45	17.6	14.9	11.0	2.3	.1	–	–	–	–	.1	4.1	14.1	64.2
NJ	Atlantic City	42	5.2	5.5	2.8	.3	T	–	–	–	–	T	.3	2.2	16.8
NM	Albuquerque	47	2.5	2.2	1.9	.5	–	–	–	–	T	.1	1.1	2.5	10.8
NY	Albany	40	15.8	14.3	11.6	3.0	.1	–	–	–	–	.1	4.5	15.8	65.2
	Buffalo	43	24.7	17.9	11.5	3.2	.1	T	–	–	T	.2	12.2	23.2	93.0
	New York [1]	118	7.6	8.7	5.1	.9	T	–	–	–	–	–	.9	5.6	28.8
NC	Charlotte	47	1.9	1.8	1.4	–	–	–	–	–	–	–	.1	.6	5.8
	Raleigh	42	2.4	2.5	1.5	–	–	–	–	–	–	–	.1	.8	7.3
ND	Bismarck	47	7.2	6.3	8.4	4.0	.9	T	–	–	.3	1.3	6.0	6.7	41.1
OH	Cincinnati	39	7.5	5.6	4.3	.5	T	–	–	–	–	–	2.3	3.7	23.9
	Cleveland	45	12.5	11.6	9.9	2.2	1	–	–	–	T	.7	5.2	11.5	53.7
	Columbus	39	8.8	6.4	4.5	7	T	–	–	–	T	–	2.5	5.6	28.5
OK	Oklahoma City	47	2.8	2.7	1.5	–	–	–	–	–	–	T	.5	1.6	9.1
OR	Portland	46	3.7	.8	.4	T	–	T	–	–	T	–	.5	1.4	6.8
PA	Philadelphia	44	6.4	6.8	3.9	.3	T	–	–	–	–	–	.8	3.6	21.6
	Pittsburgh	34	12.2	10.1	8.3	1.8	1	–	–	–	–	.2	3.6	8.3	44.5
RI	Providence	33	9.6	10.1	7.8	.7	.2	–	–	–	–	.1	.7	7.0	36.2
SC	Columbia	39	.4	.9	.3	–	–	–	–	–	–	–	T	.3	1.9
SD	Sioux Falls	41	6.6	8.2	10.1	2.2	–	–	–	–	–	.5	5.0	7.5	40.1
TN	Memphis	36	2.5	1.5	1.0	T	–	–	–	–	–	–	.1	.7	5.8
	Nashville	45	4.2	3.2	1.5	–	–	–	–	–	–	–	.5	1.7	11.1
TX	Dallas-Ft. Worth	33	1.4	1.1	.2	–	–	–	–	–	–	–	.2	.3	3.2
	El Paso	47	1.3	.8	.4	.4	–	–	–	–	–	–	1.0	1.3	5.2
	Houston	52	.2	.2	–	–	–	–	–	–	–	–	T	T	.4
UT	Salt Lake City	58	13.0	9.4	10.1	5.3	7	T	–	–	1	1.3	6.5	12.2	58.6
VT	Burlington	43	19.0	16.6	12.4	3.7	.2	–	–	–	T	.2	7.0	19.2	78.3
VA	Norfolk	38	3.0	2.7	1.1	–	–	–	–	–	–	–	–	1.0	7.8
	Richmond	49	5.0	4.2	2.7	1	–	–	–	–	–	T	.4	2.0	14.4
WA	Seattle	42	5.7	1.5	1.4	1	T	–	T	–	T	–	1.4	2.7	12.8
	Spokane	39	16.9	7.6	4.2	.7	1	T	–	–	–	.5	6.3	15.2	51.5
WV	Charleston	39	10.7	9.1	4.7	.4	–	–	–	–	–	.1	2.3	4.8	32.1
WI	Milwaukee	46	13.1	9.5	9.0	1.9	–	–	–	–	T	.1	2.9	10.5	47.0
WY	Cheyenne	51	6.3	5.5	11.9	9.3	3.7	3	–	–	.6	3.6	7.0	5.9	54.3
PR	San Juan	31	–	–	–	–	–	–	–	–	–	–	–	–	–

– Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

Digitized by Google

NO. 353. AVERAGE WIND SPEED, MEAN NUMBER OF DAYS MINIMUM TEMPERATURE BELOW 32 DEGREES FAHRENHEIT, AND AVERAGE RELATIVE HUMIDITY—SELECTED CITIES

[Airport data, except as noted. For period of record through 1988. M = morning, A = afternoon]

STATE	STATION	AVERAGE PERCENT-AGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)			MINIMUM TEMPERATURE 32° OR LESS		AVERAGE RELATIVE HUMIDITY (percent)					
									Annual		Jan.		July	
		Length of record (yr.)	Annual	Length of record (yr.)	Annual	Jan.	July	Length of record (yr.)	Mean number (days)	Length of record (yr.)	M	A	M	A	M	A
AL	Mobile	[1] 34	[1] 60	38	9.0	10.4	7.0	24	23	24	86	57	80	60	89	60
AK	Juneau [2]	33	30	41	8.3	8.3	7.5	42	145	20	84	72	79	75	84	70
AZ	Phoenix	91	85	41	6.3	5.2	7.2	26	8	26	52	23	67	32	45	20
AR	Little Rock	32	62	44	7.9	8.6	6.8	26	82	26	84	58	80	61	87	56
CA	Los Angeles	32	73	38	7.5	6.7	7.7	27	(Z)	27	79	64	70	60	86	67
	Sacramento	38	77	37	8.1	7.4	9.0	36	16	26	82	46	90	72	76	28
	San Francisco	38	66	59	10.5	7.1	13.5	27	2	27	84	62	86	67	86	59
CO	Denver	37	70	38	8.8	8.7	8.3	26	158	26	67	40	83	49	68	34
CT	Hartford	32	57	32	9.5	9.3	7.7	27	156	27	76	62	71	62	78	50
DE	Wilmington	39	57	38	9.2	10.0	7.8	39	101	39	78	55	75	60	79	54
DC	Washington	38	57	38	9.3	10.0	8.2	26	71	26	74	53	68	54	76	53
FL	Jacksonville	35	62	37	8.1	8.3	7.2	45	15	50	88	56	87	57	88	58
	Miami	9	72	37	9.2	9.5	7.9	22	(Z)	22	84	61	84	59	85	63
GA	Atlanta	50	61	48	9.1	10.6	7.5	26	57	26	83	56	78	59	89	61
HI	Honolulu	33	67	37	11.5	9.3	10.4	17	-	17	72	56	82	62	88	52
ID	Boise	43	64	47	8.8	8.1	8.4	47	124	47	69	44	80	70	54	22
IL	Chicago	5	52	28	10.2	11.6	8.1	28	133	28	80	60	76	67	82	57
	Peoria	42	56	43	10.1	11.2	7.9	27	129	27	83	62	78	68	86	59
IN	Indianapolis	41	55	38	9.6	11.0	7.4	27	119	27	84	62	80	70	87	60
IA	Des Moines	35	59	37	10.9	11.7	9.0	25	135	25	79	60	75	67	81	57
KS	Wichita	32	65	33	12.3	12.2	11.2	33	112	33	80	55	78	63	77	48
KY	Louisville	38	56	39	8.3	9.7	6.7	26	91	26	81	59	76	64	85	58
LA	New Orleans	12	59	38	8.2	9.4	6.1	40	14	38	87	63	84	66	91	66
ME	Portland	45	57	46	8.7	9.2	7.6	46	158	46	79	60	76	61	80	59
MD	Baltimore	35	57	36	9.2	9.8	8.0	36	98	33	77	54	71	57	80	53
MA	Boston	50	59	29	12.4	13.9	10.9	22	98	22	72	58	66	57	73	56
MI	Detroit	20	53	28	10.2	11.7	8.4	28	137	28	81	60	79	69	82	53
	Sault Ste. Marie	44	47	45	9.3	9.8	7.9	45	181	45	85	67	81	72	89	62
MN	Duluth	35	52	37	11.2	11.8	9.8	25	184	25	80	63	75	69	84	59
	Minneapolis-St. Paul	47	57	46	10.6	10.5	9.3	27	156	27	78	60	73	66	80	54
MS	Jackson	21	60	23	7.4	8.6	5.9	23	51	23	91	58	86	65	93	59
MO	Kansas City	13	61	14	10.7	11.3	9.1	14	110	14	81	60	74	63	83	56
	St. Louis	26	57	37	9.7	10.6	7.9	26	103	26	84	60	83	66	85	56
MT	Great Falls	41	61	45	12.8	15.2	10.2	25	158	25	66	45	67	61	64	29
NE	Omaha	48	60	50	10.6	10.9	8.9	22	140	22	81	59	77	66	83	56
NV	Reno	38	79	44	6.5	5.6	6.9	23	180	23	71	32	79	51	65	19
NH	Concord	44	54	44	6.7	7.3	5.7	21	174	21	81	54	74	58	84	51
NJ	Atlantic City	25	54	28	10.1	11.3	8.6	22	109	22	81	56	77	58	83	56
NM	Albuquerque	46	76	47	9.0	8.0	9.1	26	120	26	60	29	71	40	60	27
NY	Albany	47	52	48	8.9	9.8	7.5	21	150	21	80	58	77	63	81	55
	Buffalo	42	49	47	12.1	14.3	10.4	26	134	26	80	63	79	73	78	55
	New York [2]	100	58	58	9.4	10.7	7.5	73	80	61	72	56	68	60	75	55
NC	Charlotte	35	65	37	7.5	7.9	6.6	26	70	26	83	54	78	55	87	56
	Raleigh	31	60	37	7.8	8.6	6.6	22	80	22	85	54	78	55	90	59
ND	Bismarck	46	59	47	10.3	10.0	9.2	27	185	27	80	57	73	67	83	47
OH	Cincinnati	66	56	39	9.1	10.7	7.2	24	109	24	81	60	78	68	85	57
	Cleveland	42	49	45	10.7	12.4	8.7	26	124	26	79	62	77	70	81	57
	Columbus	34	49	37	9.2	10.6	7.7	27	119	27	80	59	76	67	84	56
OK	Oklahoma City	31	67	38	12.5	12.8	10.9	21	80	21	79	54	77	59	79	48
OR	Portland	36	47	38	7.9	10.0	7.5	46	43	46	86	60	86	76	82	45
PA	Philadelphia	43	56	46	9.5	10.3	8.0	27	98	27	76	55	72	59	79	54
	Pittsburgh	33	47	34	9.1	10.7	7.3	27	124	26	78	57	75	65	82	53
RI	Providence	32	58	33	10.6	11.3	9.5	23	119	23	74	54	70	56	77	55
SC	Columbia	32	65	38	6.9	7.1	6.3	20	63	20	87	52	82	54	89	55
SD	Sioux Falls	42	62	38	11.1	11.1	9.9	23	167	23	81	60	75	67	82	53
TN	Memphis	35	64	38	9.0	10.2	7.5	45	58	47	81	57	78	63	84	57
	Nashville	43	56	45	8.0	9.2	6.5	21	77	21	84	58	79	63	90	57
TX	Dallas-Fort Worth	7	65	33	10.8	11.1	9.5	23	41	23	82	56	79	60	80	48
	El Paso	43	83	44	9.0	8.5	8.4	26	63	26	56	27	65	35	61	29
	Houston	16	56	17	7.8	8.2	6.8	17	22	17	90	60	85	64	92	58
UT	Salt Lake City	47	66	47	8.8	7.6	9.5	27	127	27	67	43	78	59	52	21
VT	Burlington	42	49	43	8.8	9.5	7.9	22	157	21	77	60	70	63	79	53
VA	Norfolk	21	62	38	10.8	11.5	8.9	38	55	38	78	57	74	59	82	59
	Richmond	35	61	38	7.6	8.0	6.7	57	85	52	83	53	80	57	85	56
WA	Seattle	19	46	36	9.0	9.8	8.3	27	31	27	82	62	80	74	81	49
	Spokane	37	53	39	8.6	8.6	8.4	27	140	27	77	52	85	78	83	26
WV	Charleston	[4] 83	[4] 49	39	6.4	7.6	5.1	39	100	39	82	56	77	63	90	60
WI	Milwaukee	45	54	46	11.6	12.8	9.6	26	142	26	80	64	75	68	82	61
WY	Cheyenne	46	65	29	12.9	15.2	10.3	27	172	27	64	44	57	50	69	38
PR	San Juan	30	64	31	8.5	8.6	9.7	31	-	31	79	65	81	64	78	66

- Represents zero. Z Less than one-half a day. [1] Recording site is in Montgomery, AL. [2] For period of record through 1984. [3] City office data. [4] Recording site is in Parkersburg, WV.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual

Digitized by Google

No. 354. Normal Monthly and Seasonal Heating Degree Days, 65° Base—Selected Cities

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	469	342	191	43	–	–	–	–	–	50	218	382	1,695
AK	Juneau	1,339	1,042	1,048	777	574	369	288	322	474	719	969	1,184	9,105
AZ	Phoenix	394	269	187	52	–	–	–	–	–	13	159	368	1,442
AR	Little Rock	778	585	417	124	16	–	–	–	8	132	414	676	3,152
CA	Los Angeles	286	233	240	180	106	54	17	12	18	55	139	255	1,595
	Sacramento	611	412	366	229	83	21	–	–	7	82	360	601	2,772
	San Francisco	512	375	378	306	226	139	103	89	80	148	315	490	3,161
CO	Denver	1,101	879	837	528	253	74	–	–	135	414	789	1,004	6,014
CT	Hartford	1,234	1,047	874	486	197	20	–	8	102	391	702	1,113	6,174
DE	Wilmington	1,048	890	719	378	130	6	–	–	36	282	582	915	4,986
DC	Washington	924	770	595	257	68	–	–	–	13	197	489	809	4,122
FL	Jacksonville	396	302	186	21	–	–	–	–	–	21	164	332	1,402
	Miami	76	62	14	–	–	–	–	–	–	–	5	42	199
GA	Atlanta	716	563	400	133	37	5	–	–	7	130	394	636	3,021
HI	Honolulu	–	–	–	–	–	–	–	–	–	–	–	–	–
ID	Boise	1,088	809	732	492	257	83	–	23	134	406	759	1,023	5,802
IL	Chicago	1,352	1,092	899	486	224	38	–	9	75	366	756	1,156	6,455
	Peoria	1,349	1,070	859	411	176	22	–	5	64	361	756	1,153	6,226
IN	Indianapolis	1,209	983	775	382	158	15	–	–	63	330	696	1,039	5,650
IA	Des Moines	1,438	1,134	927	435	156	17	–	–	80	357	792	1,218	6,554
KS	Wichita	1,097	837	656	275	89	7	–	–	37	219	621	949	4,787
KY	Louisville	1,008	815	624	264	98	5	–	–	32	250	567	862	4,525
LA	New Orleans	423	318	171	25	–	–	–	–	–	31	186	336	1,490
ME	Portland	1,349	1,176	1,020	666	378	107	22	54	201	515	798	1,215	7,501
MD	Baltimore	1,001	848	673	334	115	–	–	–	29	261	561	884	4,706
MA	Boston	1,097	960	825	489	218	25	–	6	80	329	594	970	5,593
MI	Detroit	1,290	1,098	930	528	247	36	5	12	106	414	765	1,132	6,563
	Sault Ste. Marie	1,603	1,420	1,274	807	480	210	101	123	306	611	966	1,404	9,305
MN	Duluth	1,820	1,484	1,305	801	456	179	71	115	334	645	1,104	1,587	9,901
	Minneapolis-St. Paul	1,395	1,339	1,116	570	238	41	12	16	160	564	954	1,390	8,007
MS	Jackson	611	462	303	77	9	–	–	–	–	98	316	513	2,389
MO	Kansas City	1,212	921	729	314	112	12	–	–	42	258	657	1,026	5,283
	St. Louis	1,122	874	676	279	110	12	–	–	40	258	612	955	4,938
MT	Great Falls	1,435	1,072	1,042	669	369	141	20	66	268	536	930	1,218	7,766
NE	Omaha	1,389	1,058	859	390	130	16	–	–	73	342	765	1,172	6,194
NV	Reno	1,017	773	756	558	333	124	16	59	171	518	759	1,056	6,030
NH	Concord	1,398	1,198	1,020	627	314	67	20	39	191	521	831	1,256	7,482
NJ	Atlantic City	1,029	890	744	420	165	26	–	–	27	298	582	905	5,086
NM	Albuquerque	936	717	583	302	81	–	–	–	12	242	630	911	4,414
NY	Albany	1,361	1,165	973	552	252	38	7	15	149	450	771	1,194	6,927
	Buffalo	1,287	1,134	992	588	294	53	9	25	130	423	741	1,122	6,796
	New York [1]	1,029	885	732	378	134	7	–	–	36	240	534	893	4,868
NC	Charlotte	750	618	459	155	53	–	–	–	10	166	429	694	3,342
	Raleigh	787	655	496	161	53	–	–	–	9	187	450	713	3,531
ND	Bismarck	1,807	1,414	1,209	675	324	100	18	57	255	586	1,092	1,538	9,075
OH	Cincinnati	1,076	882	682	317	122	8	–	–	39	279	612	933	4,950
	Cleveland	1,225	1,053	880	507	244	33	8	11	99	371	696	1,051	6,178
	Columbus	1,175	986	775	408	178	19	–	5	78	355	687	1,020	5,886
OK	Oklahoma City	902	678	506	184	41	–	–	–	15	148	486	778	3,735
OR	Portland	809	610	582	438	263	118	35	51	111	332	585	747	4,581
PA	Philadelphia	1,048	893	719	363	127	–	–	–	33	273	576	915	4,947
	Pittsburgh	1,187	1,014	822	447	201	28	–	13	101	393	702	1,042	5,950
RI	Providence	1,141	1,000	856	513	239	31	–	6	94	366	648	1,014	5,908
SC	Columbia	637	508	346	87	22	–	–	–	–	123	339	567	2,629
SD	Sioux Falls	1,631	1,285	1,073	561	240	52	14	15	161	489	960	1,404	7,885
TN	Memphis	787	602	433	128	25	–	–	–	9	137	415	673	3,207
	Nashville	865	689	510	186	55	–	–	–	19	193	492	747	3,756
TX	Dallas-Fort Worth	651	469	313	85	–	–	–	–	–	56	300	533	2,407
	El Paso	645	465	318	93	–	–	–	–	–	96	408	639	2,664
	Houston	442	314	175	32	–	–	–	–	–	36	201	349	1,549
UT	Salt Lake City	1,128	865	753	474	220	53	–	–	97	377	759	1,076	5,802
VT	Burlington	1,500	1,313	1,110	669	326	64	23	50	202	530	852	1,314	7,953
VA	Norfolk	778	669	512	219	53	–	–	–	9	146	393	667	3,446
	Richmond	880	731	552	226	65	–	–	–	24	221	483	778	3,960
WA	Seattle-Tacoma	803	622	645	489	313	169	76	97	169	389	606	744	5,121
	Spokane	1,218	913	849	576	339	140	17	63	209	539	903	1,116	6,882
WV	Charleston	995	823	626	298	125	16	–	–	51	301	591	871	4,697
WI	Milwaukee	1,495	1,176	1,020	612	334	84	11	25	117	444	831	1,237	7,326
WY	Cheyenne	1,206	1,000	1,020	696	397	139	24	37	235	543	906	1,107	7,310
PR	San Juan	–	–	–	–	–	–	–	–	–	–	–	–	–

– Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Digitized by Google

NO. 355. NORMAL MONTHLY AND SEASONAL COOLING DEGREE DAYS, 65° BASE—SELECTED CITIES

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

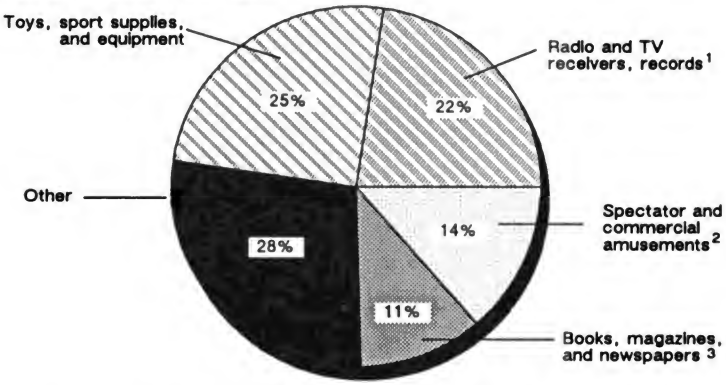
STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	29	23	39	133	307	465	533	521	396	158	26	13	2,643
AK	Juneau	–	–	–	–	–	–	–	–	–	–	–	–	–
AZ	Phoenix	–	20	51	142	376	645	846	772	588	273	27	6	3,746
AR	Little Rock	–	–	20	46	188	405	530	496	287	73	–	–	2,045
CA	Los Angeles	7	12	–	15	25	72	141	176	153	95	25	7	728
	Sacramento	–	–	–	25	80	207	329	301	208	48	–	–	1,198
	San Francisco	–	–	–	–	–	13	16	27	47	12	–	–	115
CO	Denver	–	–	–	–	11	134	261	203	63	8	–	–	680
CT	Hartford	–	–	–	–	24	126	260	203	51	–	–	–	666
DE	Wilmington	–	–	–	–	43	192	341	304	123	12	–	–	1,015
DC	Washington	–	–	–	8	99	285	431	391	196	20	–	–	1,430
FL	Jacksonville	30	25	51	102	282	420	505	496	396	160	38	15	2,520
	Miami	141	140	222	309	419	480	539	552	504	400	239	150	4,095
GA	Atlanta	–	–	12	37	170	329	422	409	247	44	–	–	1,670
HI	Honolulu	236	221	291	321	388	423	468	496	468	450	348	279	4,389
ID	Boise	–	–	–	–	17	107	298	240	80	–	–	–	742
IL	Chicago	–	–	–	–	41	146	252	223	66	12	–	–	740
	Peoria	–	–	–	–	71	206	314	256	82	17	–	–	946
IN	Indianapolis	–	–	–	–	80	213	313	257	111	14	–	–	986
IA	Des Moines	–	–	–	–	66	215	354	279	83	22	–	–	1,019
KS	Wichita	–	–	8	14	117	340	508	456	205	36	–	–	1,884
KY	Louisville	–	–	7	12	110	266	391	353	179	24	–	–	1,342
LA	New Orleans	32	30	59	136	307	459	530	518	405	161	36	13	2,686
ME	Portland	–	–	–	–	–	29	118	104	9	–	–	–	254
MD	Baltimore	–	–	–	–	66	221	366	329	146	10	–	–	1,138
MA	Boston	–	–	–	–	17	115	266	220	68	13	–	–	699
MI	Detroit	–	–	–	–	33	117	219	183	55	8	–	–	615
	Sault Ste. Marie	–	–	–	–	6	12	55	56	–	–	–	–	131
MN	Duluth	–	–	–	–	–	11	80	59	–	–	–	–	150
	Minneapolis-St. Paul	–	–	–	–	36	134	263	190	28	11	–	–	662
MS	Jackson	13	17	34	80	241	426	524	502	342	96	13	–	2,290
MO	Kansas City	–	–	–	8	99	270	423	363	144	26	–	–	1333
	St. Louis	–	–	–	12	128	306	431	372	161	38	–	–	1,468
MT	Great Falls	–	–	–	–	–	48	153	144	40	6	–	–	391
NE	Omaha	–	–	–	6	77	256	394	320	97	16	–	–	1,166
NV	Reno	–	–	–	–	11	46	156	117	27	–	–	–	357
NH	Concord	–	–	–	–	10	58	160	111	14	–	–	–	353
NJ	Atlantic City	–	–	–	–	26	152	291	248	75	–	–	–	792
NM	Albuquerque	–	–	–	–	59	265	428	344	132	6	–	–	1,254
NY	Albany	–	–	–	–	19	89	205	145	35	–	–	–	494
	Buffalo	–	–	–	–	18	83	186	146	43	–	–	–	476
	New York [1]	–	–	–	–	56	199	363	322	135	14	–	–	1,089
NC	Charlotte	–	–	7	14	149	304	419	400	220	33	–	–	1,546
	Raleigh	–	–	9	16	121	270	394	372	189	23	–	–	1,394
ND	Bismarck	–	–	–	–	10	79	186	174	24	–	–	–	473
OH	Cincinnati	–	–	–	8	101	230	344	310	144	22	–	–	1,159
	Cleveland	–	–	–	–	33	111	213	178	72	5	–	–	612
	Columbus	–	–	–	–	66	175	273	235	102	11	–	–	862
OK	Oklahoma City	–	–	13	40	147	360	530	499	264	61	–	–	1,914
OR	Portland	–	–	–	–	6	43	119	122	42	–	–	–	332
PA	Philadelphia	–	–	–	–	59	202	357	319	129	9	–	–	1,075
	Pittsburgh	–	–	–	–	37	121	222	186	74	5	–	–	645
RI	Providence	–	–	–	–	10	85	235	195	49	–	–	–	574
SC	Columbia	8	6	20	51	223	381	496	471	297	74	6	–	2,033
SD	Sioux Falls	–	–	–	–	29	154	293	226	41	6	–	–	749
TN	Memphis	–	–	20	54	211	411	530	484	285	72	–	–	2,067
	Nashville	–	–	14	24	151	328	446	415	238	45	–	–	1,661
TX	Dallas-Fort Worth	–	7	37	112	275	510	660	636	408	146	18	–	2,809
	El Paso	–	–	11	51	218	474	543	474	273	52	–	–	2,096
	Houston	20	20	51	143	307	468	561	546	402	181	54	8	2,761
UT	Salt Lake City	–	–	–	–	28	152	388	311	97	5	–	–	981
VT	Burlington	–	–	–	–	22	61	165	115	16	–	–	–	379
VA	Norfolk	–	–	–	15	96	282	415	394	225	31	–	–	1,458
	Richmond	–	–	–	13	99	258	397	366	180	23	–	–	1,336
WA	Seattle-Tacoma	–	–	–	–	–	25	70	70	19	–	–	–	184
	Spokane	–	–	–	–	8	41	162	159	41	–	–	–	411
WV	Charleston	–	–	–	7	91	196	295	270	129	19	–	–	1,007
WI	Milwaukee	–	–	–	–	18	81	182	158	24	7	–	–	470
WY	Cheyenne	–	–	–	–	–	49	145	93	22	–	–	–	309
PR	San Juan	357	325	388	414	474	501	527	533	507	508	438	394	5,366

– Represents zero. [1] City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatography of the United States*, No. 81, Sept. 1982.

Digitized by Google

Figure 7.1
Personal Consumption Expenditures for Recreation–Percent Distribution: 1986



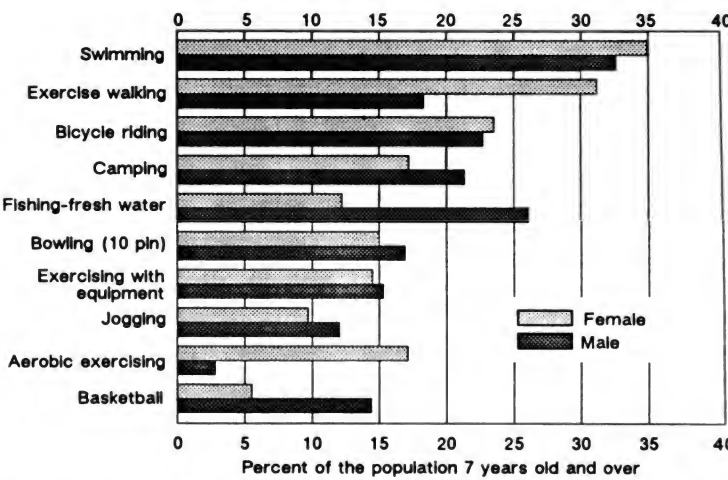
[1] Includes musical instruments and radio and TV repair.

[2] Includes admissions to spectator amusements, commercial participant amusements, and parimutuel net receipts.

[3] Includes maps and sheet music.

Source: Chart prepared by U.S. Bureau of the Census. For data see table 363.

Figure 7.2
Participation in Ten Most Popular Sports Activities, by Sex: 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 374.

Digitized by Google



Section 7

Parks, Recreation, and Travel

This section presents statistics on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

Parks and recreation.—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract;* the *Index-National Park System and Related Areas*, a biannual report, presents data on acreage in public parks; and its *National Parks and Landmarks* gives brief descriptions of each area administered by the Service and also covers sites eligible for registry as natural or national historic landmarks and nonfederally owned national historic sites.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange.* The Bureau of Land Management, in its *Public Land Statistics,* also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service,* issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

Visitation.—Statistics presented on visitation to various recreation areas are collected by several different agencies and groups. The methodology used to collect these results, may vary accordingly from visual counts and estimates to the use of electromagnetic traffic counters. Many factors besides the methodology, may affect the results such as multiple or random access points, irregular boundaries, and many other general factors that may affect usage. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

Recreation and leisure activities.—Statistics on the participation in various recreation and leisure time activities presented here are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife- associated recreation are published every five years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association. Data on participation and attendance at various art performances by demographic characteristics are presented by the National Endowment for the Arts.

Travel.—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business.* Data on the number of passports issued annually to U.S. citizens are to be found in the annual *Summary of Passport Statistics* issued by the U.S. Dept. of State's Bureau of Consular Affairs. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics.* Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, a national nonprofit group for travel and tourism located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Digitized by Google

No. 356. Visitation to Federal Recreation Areas, by Administering Federal Agency: 1978 to 1986

[**In millions of visitor hours.** For years ending **September 30**, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7. Data may not be comparable for all years]

Administering federal agency	1978	1979	1980	1981	1982	1983	1984	1985	1986
All areas	**7,094**	**6,718**	**6,367**	**6,522**	**6,640**	**6,668**	**6,252**	**6,370**	**6,556**
Fish and Wildlife Service	84	25	17	23	12	63	60	65	67
Forest Service	2,622	2,642	2,819	2,829	2,801	2,733	2,731	2,705	2,718
U.S. Army Corps of Engineers	2,071	1,961	1,926	1,488	1,632	1,638	1,652	1,721	1,730
National Park Service	1,154	1,066	1,042	1,198	1,216	1,276	1,240	1,265	1,384
Bureau of Land Management	634	525	68	444	341	596	208	246	284
Bureau of Reclamation [1]	431	411	407	461	558	285	282	289	296
Tennessee Valley Authority	97	88	87	80	80	78	79	79	77

[1] Calendar year data.

Source: 1978–1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

No. 357. National Park System—Summary: 1970 to 1986

[**For fiscal years ending in year shown;** see text, section 10, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806–828]

Item	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Finances (mil. dol.):										
Expenditures reported [1]	138.8	341.8	482.8	574.3	1,172.9	1,012.5	1,008.0	1,110.7	1,072.3	1,003.6
Salaries and wages	82.5	152.1	236.3	259.3	302.6	320.1	353.0	363.5	380.0	382.9
Improvements, maintenance	15.5	40.4	67.9	77.3	82.3	98.3	102.4	136.4	127.4	119.6
Construction	23.9	85.5	76.7	126.8	123.2	72.9	87.5	93.3	84.7	125.9
Other	17.0	63.8	99.9	110.8	664.8	521.2	465.1	517.5	480.2	375.2
Funds available [1]	174.6	426.0	616.7	907.9	2,307.7	1,931.3	2,035.8	1,915.5	1,810.6	1,634.4
Appropriations	129.4	345.6	526.2	539.4	827.0	801.2	1,118.2	942.6	983.9	849.3
Other	45.2	82.4	90.5	368.5	1,480.7	1,130.1	917.6	972.9	826.7	785.1
Revenue from operations [2]	8.8	17.2	21.1	21.1	22.9	25.5	33.1	36.2	50.6	50.7
Visits (millions): [3]										
All areas	172.0	238.8	282.4	300.3	329.7	334.4	335.6	331.5	344.9	364.6
National parks [4]	45.9	58.8	57.5	60.2	63.3	63.5	63.8	64.4	64.5	69.8
National monuments	17.3	17.3	16.8	16.3	17.1	18.2	18.5	18.1	19.0	24.0
National historical, archeological, and military areas	47.0	75.7	83.9	88.5	95.0	95.1	95.3	96.8	95.6	98.8
National parkways	27.8	36.0	35.0	40.2	43.6	45.1	47.8	48.7	50.5	53.2
National recreation areas [4]	11.5	23.9	41.3	48.1	51.1	52.9	54.4	52.5	56.4	60.0
National seashores	9.1	13.3	14.2	15.0	16.0	15.5	16.7	18.5	22.2	20.4
National Capital Parks [5]	10.3	11.2	2.8	4.1	6.7	7.3	6.3	7.2	8.3	6.6
Miscellaneous other areas	3.0	2.6	31.5	28.0	37.3	36.8	31.7	25.4	28.4	31.7
Overnight stays reported	16.2	16.7	16.0	16.5	17.0	16.9	16.1	16.3	16.1	16.3
Camper days	9.0	8.8	7.9	8.3	8.9	8.8	7.8	7.7	7.3	7.2
Tents	4.7	3.7	3.4	3.9	4.2	4.2	3.8	3.7	3.6	3.5
Recreation vehicles	4.3	5.1	4.5	4.4	4.7	4.6	4.2	3.9	3.8	3.8
In commercial lodgings	4.9	4.0	4.0	4.1	4.0	3.9	3.3	3.5	3.5	4.3
Other	2.2	3.9	4.1	4.1	4.1	4.8	5.0	4.8	4.9	4.7
Land (1,000 acres):										
Total [6] [7]	28,543	29,091	70,797	70,936	73,665	74,800	74,846	74,913	75,749	75,863
Parks [8]	14,307	15,344	15,684	15,801	44,470	45,414	45,427	45,454	45,739	45,791
Recreation areas	3,628	3,156	3,280	3,322	3,327	3,313	3,317	3,322	3,335	3,357
Other [8]	10,608	10,590	51,833	51,813	25,868	26,073	26,102	26,137	26,675	29,735
Acquisition, gross	83	110	86	121	70	40	46	43	34	99
By purchase	74	70	65	109	60	37	43	42	29	89
By gift	1	(Z)	4	7	6	3	1	(Z)	2	18
By transfer or exchange	10	40	17	5	4	(Z)	6	2	3	12
Exclusion	2	(Z)	1	(Z)	(Z)	(Z)	2	2	(Z)	4
Acquisition, net	82	110	85	121	70	40	46	43	34	95

Z Less than 1,000 acres. [1] For 1970–1980, excludes transfers and allocations from appropriations to other agencies (e.g., Land and Water Conservation Fund, etc.). Beginning 1981, data reflect absorption by National Park Service of activities of former Heritage Conservation and Recreation Service (e.g., Land and Water Conservation Fund), see text, section 7. [2] Receipts deposited in Treasury, beginning 1975, receipts from annual admission permit (Golden Eagle Passport) and special recreation use fees are available for NPS expenditure. [3] For calendar year. [4] Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. [5] Beginning 1979, visits to some areas previously included in National Capital Parks now included in other areas. [6] Federal land only, as of Dec. 31. [7] On Dec. 1, 1978 over 40 million acres of public domain land in Alaska were added to the system. [8] Several areas of the National Park System were reclassified as national parks in 1981, therefore, data for 1970–1980 are not comparable with later years.

Source: U.S. National Park Service, visits, 1970, *Campground Use in the National Park Service*, annual; *Camper Days in Areas Administered by the National Park Service*, annual; and *Public Use of the National Parks*, monthly; 1975, *Public Use of the National Park System*, semiannual; thereafter, *National Park Statistical Abstract*, annual and unpublished data. Land, *Index—National Park System and Related Areas*, biannual. Other data are unpublished.

Digitized by Google

No. 358. National Park System—Type of Area: 1986

[As of **September 30.** Totals include 5 areas in Puerto Rico and Virgin Islands, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806-826]

TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)	TYPE OF AREA	Number of areas	Federal acreage	Recreation visits (mil.)
National Park System	**338**	**75,862,484**	**281.1**	National seashores	10	476,147	20.2
				Parkways	4	159,413	41.6
National parks	49	45,790,649	53.5	National lakeshores	4	143,007	2.8
National historical parks	26	92,897	25.1	National rivers	12	232,825	3.3
National monuments	76	4,536,747	21.2	National Capital Parks	1	6,469	6.9
National military parks	9	33,098	4.7				
National battlefields	11	9,176	2.4	Parks, other	12	30,907	9.9
				National recreation areas	17	3,337,062	54.8
National battlefield parks	3	7,451	1.8	National trails	3	82,591	(NA)
National battlefield site	1	1	(NA)	National preserves	12	20,899,682	.1
National historic sites	63	16,333	12.4	National Mall	1	146	(NA)
National memorials	23	7,865	19.0	White House	1	18	1.1

NA Not available.

Source: U.S. National Park Service, *Index—National Park System and Related Areas*, biannual.

No. 359. Selected National Park Service Areas—Acreage, 1986, Visits and Overnight Stays, 1984 to 1986

[**Acreage as of December 31. Area selection based on minimum of 4 million visits or 200,000 overnight stays in 1986. For information on methodology and definition of "visits", see text, section 7**]

AREA	Acreage,[1] 1986 (1,000)	VISITS (mil.)				OVERNIGHT STAYS[2] (1,000)		
		1984, total	1985, total	1986		1984	1985	1986
				Total[3]	Recreation			
Total, all areas[4]	**79,491**	**332.7**	**346.2**	**364.6**	**281.1**	**16,325**	**16,115**	**16,310**
Acadia National Park, ME	41	3.9	3.9	4.1	3.9	191	208	206
Big Bend National Park, TX	735	.2	.2	.2	.2	228	238	221
Blue Ridge Parkway, NC, VA	82	19.2	21.2	21.5	17.1	220	230	249
Cape Cod National Seashore, MA	44	4.6	4.4	4.0	4.0	21	17	16
Chesapeake and Ohio National Historical Park, MD, DC, WV	21	6.4	6.3	[5] 4.9	4.9	58	62	[5] 4
Chickamauga and Chattanooga National Military Park, TN	8	17.6	15.5	15.8	1.2	3	3	2
Chickasaw National Recreation Park, OK	9	5.2	6.1	4.3	2.0	82	93	93
Colonial National Historical Park, VA	9	5.7	5.7	5.1	2.0	–	–	–
Death Valley National Monument, CA, NV	2,068	.6	.6	.6	.6	333	337	328
Delaware Water Gap National Recreation Area, PA, NJ	66	5.2	4.6	4.6	2.2	92	91	91
Gateway National Recreation Area, NY, NJ	26	8.0	8.7	9.0	8.9	18	10	26
George Washington Memorial Parkway, VA, MD	7	8.2	8.8	9.1	9.1	–	–	–
Glacier National Park, MT	1,014	2.0	1.6	1.6	1.6	326	266	267
Glen Canyon National Recreation Area, AZ, UT	1,237	2.1	2.2	2.5	2.4	1,602	1,668	1,974
Golden Gate National Recreation Area, CA	73	16.8	18.4	21.6	21.6	112	106	120
Grand Canyon National Park, AZ	1,218	2.4	3.0	3.3	3.0	779	737	634
Grand Teton National Park, WY	311	2.2	2.1	2.2	1.3	482	452	421
Great Smokey Mountain National Park, NC, TN	520	13.5	14.4	15.9	9.8	456	479	460
Gulf Islend National Seashore, MS, FL	140	5.8	9.9	7.6	7.6	160	153	171
Hot Springs National Park, AR	6	5.4	5.2	5.6	1.2	15	16	15
Independence National Historical Park, PA	(z)	4.8	4.9	5.0	5.0	–	–	–
Kings Canyon National Park, CA	462	9	9	1.0	1.0	272	269	267
Lake Mead National Recreation Area, AZ, NV	1,496	6.5	7.2	8.0	7.8	1,389	1,486	1,576
Lincoln Memorial, DC	(z)	4.0	3.8	4.0	4.0	–	–	–
Natchez Trace Parkway, MS, TN, AL	50	20.2	19.4	21.5	14.4	24	17	20
National Capital Parks, DC, MD	6	7.2	8.3	6.6	6.6	–	–	–
Olympic National Park, WA	915	3.3	3.0	3.5	2.9	336	375	366
Ozark National Scenic Riverways, MO	81	1.9	2.0	1.9	1.4	236	222	205
Rock Creek Park, DC	2	14.1	14.4	14.7	2.2	–	–	–
Sequoia National Park, CA	403	1.0	.9	1.1	1.1	441	375	383
Shenandoah National Park, VA	195	1.9	2.0	1.9	1.8	414	430	362
Valley Forge National Historical Park, PA	3	13.1	12.9	12.9	4.2	–	–	–
Vietnam Veterans Memorial, DC	(z)	2.3	4.0	5.4	5.4	–	–	–
Virgin Island National Park, VI	15	1.0	1.0	1.1	.6	215	217	244
Yellowstone National Park, ID, MT, WY	2,220	2.3	2.3	2.4	2.4	1,285	1,270	1,308
Yosemite National Park, CA	761	2.8	2.9	3.0	2.9	2,211	2,088	1,864
Zion National Park, UT	147	1.8	1.7	1.9	1.7	253	208	236

– Represents zero. Z Less than 500 acres. [1] Includes non-Federal land. [2] Includes nonrecreation visits. In some areas, nonrecreation visits can not be counted; therefore, total visits equal recreation visits only. [3] The passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. [4] Includes areas not shown separately. [5] Not comparable with earlier years due to temporary closing.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

Digitized by Google

No. 360. National Forest Recreation Use—Summary, 1980 to 1986, and by Place and Activity, 1986

[For year ending September 30. Estimated. Represents recreational use of National Forest land and water which aggregates 12 person-hours; may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. See also *Historical Statistics, Colonial Times to 1970*, series H 829–835]

PLACE WHERE USE OCCURRED	Visitor-days (1,000)	Percent
1980	233,549	(x)
1981	235,709	(x)
1982	233,438	(x)
1983	227,708	(x)
1984	227,554	(x)
1985	225,407	(x)
1986, total	**226,533**	**100.0**
Developed sites	**82,381**	**36.4**
Observation sites	1,009	.4
Boating and fishing sites	3,883	1.7
Swimming sites, playgrounds, etc	2,396	1.1
Campgrounds and trailheads	36,033	15.9
Picnic grounds	4,679	2.1
Hotels, lodges, and resorts	4,444	2.0
Organization sites	5,246	2.3
Recreation residence sites	6,804	3.0
Ski areas and winter sports sites	14,943	6.6
Documentary areas, concession sites, visitor centers	2,944	1.3
Dispersed areas	**144,152**	**63.6**
Roads (recreation)	53,382	23.6
Trails (recreation)	12,881	5.7
Airfields	17	(z)
Waters	25,257	11.1
General undeveloped areas	52,615	23.2

ACTIVITY	Visitor-days (1,000)	Percent
1986, total	**226,533**	**100.0**
Camping	53,666	23.7
Picnicking	7,838	3.5
Recreation travel (mechanized)	51,723	22.8
Water travel	8,516	3.8
Games and teams sports	1,258	.6
Water skiing and other water sports	472	.2
Swimming and scuba diving	4,835	2.1
Winter sports	14,730	6.5
Fishing	15,208	6.7
Hunting	15,276	6.7
Hiking and mountain climbing	12,740	5.6
Horseback riding	3,742	1.7
Resort use	4,136	1.8
Organization camp use	4,057	1.8
Recreation cabin use	6,924	3.1
Gathering forest products	4,800	2.1
Nature study	2,004	.9
Viewing scenery, sports, and environment	11,129	4.9
Visitor information (exhibits, talks, etc.)	3,479	1.5

X Not applicable. Z Less than .05 percent.

Source: U.S. Forest Service, unpublished data.

No. 361. Recreational Use of Public Lands Administered by Bureau of Land Management, 1982 to 1986 and by State, 1986

[In thousands. For year ending Sept. 30. See text, section 7]

STATE	Number of visits	Total visitor hours	TYPE OF RECREATION USE									
			Land-based recreation activities						Water-based recreation activities			Snow- and ice-based recreational activity, winter sports
			Motorized travel		Site based							
			Offroad vehicle travel	Other motorized travel	Nonmotorized travel	Camping	Hunting	Other	Fishing	Boating	Other	
1982	58,135	316,959	19,471	32,646	11,237	63,928	108,996	44,587	19,267	10,101	1,043	5,663
1983	56,270	334,010	24,397	35,534	12,237	84,066	92,974	39,734	20,290	16,869	4,992	2,917
1984	59,228	271,373	21,348	25,433	9,579	73,032	73,898	37,850	14,263	11,184	2,092	2,894
1985	51,739	244,612	36,995	24,053	10,047	65,397	51,842	23,098	14,254	11,710	2,193	5,023
1986, total	**54,253**	**284,142**	**49,688**	**25,866**	**14,397**	**95,196**	**35,570**	**19,331**	**18,227**	**15,891**	**3,951**	**6,025**
AK	296	4,819	32	202	78	3,513	437	97	252	154	3	51
AZ	1,557	35,660	1,443	166	418	25,754	4,378	1,794	472	616	615	4
CA	29,052	104,032	29,820	10,930	5,080	31,652	10,692	10,051	791	3,048	1,933	35
CO	4,540	15,588	750	2,287	652	2,346	3,237	471	4,121	1,253	23	448
ID	3,342	22,186	1,045	535	511	7,313	2,549	710	2,498	2,325	452	4,248
MT [1]	2,067	10,208	2,424	1,126	336	2,746	1,435	258	1,231	333	36	283
NV	1,458	15,150	3,623	831	1,000	5,343	2,039	273	1,640	236	124	41
NM	1,328	7,534	574	561	809	840	2,633	1,033	576	274	141	99
OR [2]	3,563	20,953	922	1,460	595	5,561	2,744	1,235	4,677	3,178	390	191
UT	5,501	37,354	8,661	6,886	4,620	6,807	2,374	2,303	906	4,227	223	243
WY	1,549	10,658	394	880	304	3,221	3,052	1,106	1,061	247	11	382

[1] Includes North Dakota and South Dakota. [2] Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Digitized by Google

No. 362. State Parks and Recreation Areas—States: 1986

[For year ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is only responsible for State parks. For composition of regions, see fig. I, inside front cover]

Division and State	Acreage (1,000)	Visitors (1,000)		Operating budget	
		Total [1]	Day	Total ($1,000)	Percent of State budget
U.S	13,726	675,466	609,611	798,851	(X)
N. Eng	727	29,902	27,797	46,816	(X)
ME	72	2,638	2,382	3,245	.15
NH	29	3,866	3,665	6,338	.57
VT	171	819	506	2,941	.37
MA	265	11,740	10,897	17,619	.19
RI	9	4,102	4,011	5,173	.49
CT	181	6,737	6,336	13,500	.30
Mid. Atl	836	84,696	79,852	133,543	(X)
NY	256	36,920	34,124	69,576	.88
NJ	298	9,599	9,063	15,900	.44
PA	282	38,177	36,665	28,067	.29
E. No. Cent	952	139,899	128,484	96,462	(X)
OH	193	64,560	61,973	35,100	.22
IN	54	9,119	7,509	9,157	.12
IL	335	32,407	31,880	25,676	.13
MI	251	22,726	17,459	18,604	.34
WI	119	11,085	9,663	9,925	.21
W. No. Cent	3,715	49,317	43,680	51,839	(X)
MN	3,236	4,406	3,959	11,865	.30
IA	83	14,223	12,865	5,207	.25
MO	105	11,759	10,789	15,965	.28
ND	15	850	752	1,289	.11
SD	92	5,284	4,970	4,512	.55
NE	147	8,575	7,546	8,073	.67
KS	37	4,220	2,779	4,928	.15
So. Atl	1,076	63,899	55,812	95,507	(X)
DE	11	3,499	3,105	4,273	.31
MD	270	6,777	6,223	13,247	.20
VA	53	3,397	2,930	5,714	.07
WV	206	8,933	8,147	6,890	.43
NC	124	6,262	5,967	6,138	.11
SC	79	8,366	7,359	12,086	.24
GA	61	12,866	9,804	16,733	.35
FL	272	13,659	12,477	20,424	.14
E. So. Cent	245	57,015	53,543	108,735	(X)
KY	43	23,492	22,451	51,811	.88
TN	133	22,255	21,149	30,325	.54
AL	48	6,577	5,705	14,330	.24
MS	21	4,691	4,236	10,269	.28
W. So. Cent	383	43,978	33,843	64,197	(X)
AR	44	6,490	5,806	14,907	1.04
LA	38	1,100	788	6,085	.09
OK	95	16,042	9,175	16,645	.83
TX	206	20,344	18,074	26,560	.30
Mt	1,051	32,326	26,856	40,245	(X)
MT	51	3,975	3,624	3,526	.16
ID	93	2,297	2,115	2,739	.18
WY	120	1,856	1,412	2,653	.62
CO	328	7,737	7,260	7,451	.20
NM	119	6,260	4,192	6,221	.26
AZ	79	2,314	2,044	5,155	.36
UT	116	5,288	3,622	9,794	.87
NV	145	2,578	2,367	2,706	.24
Pac	4,742	174,636	158,985	170,809	(X)
WA	249	47,654	45,424	22,415	.28
OR	89	36,158	34,362	14,450	.22
CA	1,247	89,254	62,535	123,132	.53
AK	3,132	6,314	2,589	5,882	(NA)
HI	25	15,256	15,055	4,630	(NA)

NA Not available. X Not applicable. [1] Includes overnight visitors.

Source: National Association of State Park Directors, Indianapolis, IN, *Annual Information Exchange*.

No. 363. Personal Consumption Expenditures for Recreation: 1970 to 1986

[In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions]

Type of product or service	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total recreation expenditures	42.7	70.2	106.2	115.0	128.6	138.3	152.1	168.3	183.8	198.0
Percent of total personal consumption [1]	6.7	6.9	6.8	6.6	6.7	6.7	6.8	6.9	7.0	7.1
Books and maps	2.9	3.6	5.2	5.6	6.2	6.6	7.2	7.8	8.2	8.7
Magazines, newspapers, and sheet music	4.1	6.4	9.5	10.4	11.0	11.4	12.0	12.7	12.9	13.7
Nondurable toys and sport supplies	5.5	9.0	13.4	14.6	16.0	16.8	18.0	19.7	20.9	21.8
Wheel goods, durable toys, sports equipment [2]	5.2	10.5	17.3	17.2	18.7	19.3	20.4	24.8	25.9	27.0
Radio and television receivers, records, and musical instruments	8.5	13.5	18.8	19.9	22.0	24.5	26.2	31.5	36.1	40.8
Radio and television repair	1.4	2.2	2.5	2.6	2.7	2.8	2.6	2.6	3.1	3.2
Flowers, seeds, and potted plants	1.8	2.7	3.8	4.0	4.4	4.5	4.8	5.2	5.7	6.5
Admissions to specified spectator amusements	3.3	4.3	6.3	6.5	6.9	7.8	8.6	9.5	9.6	10.3
Motion picture theaters	1.6	2.2	2.9	2.7	2.9	3.3	3.6	3.9	3.7	3.9
Legitimate theaters and opera, and entertainments of nonprofit institutions [3]	.5	.8	1.5	1.8	2.0	2.1	2.4	2.7	3.0	3.4
Spectator sports	1.1	1.3	1.9	2.0	2.0	2.3	2.6	2.9	2.9	3.1
Clubs and fraternal organizations [4]	1.5	1.9	2.7	3.0	3.4	3.8	4.2	4.5	5.1	5.4
Commercial participant amusements [5]	2.4	4.9	8.4	9.7	11.7	12.5	13.6	14.1	14.9	15.6
Pari-mutuel net receipts	1.1	1.7	2.0	2.1	2.2	2.2	2.3	2.6	2.6	2.6
Other [6]	5.1	9.7	16.4	19.4	23.4	26.0	30.0	33.1	39.0	42.3

[1] See table 676. [2] Includes boats and pleasure aircraft. [3] Except athletic. [4] Consists of dues and fees excluding insurance premiums. [5] Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements. [6] Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

Digitized by Google

No. 364. Average Annual Expenditures of All Consumer Units for Entertainment and Reading, by Selected Characteristics: 1984 and 1985

[In dollars, except as indicated. Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. See also headnote, table 688]

Year and characteristic	Entertainment and reading		Entertainment [1]				Reading
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radios, and sound equipment	Other equipment and services	
1984	1,105	5.3	973	313	309	350	132
1985, all consumer units	**1,226**	**5.5**	**1,085**	**320**	**355**	**409**	**141**
Age of reference person:							
Under 25 years old	744	5.7	680	197	260	224	64
25–34 years old	1,330	6.1	1,201	298	414	488	129
35–44 years old	1,690	6.0	1,518	428	461	630	172
45–54 years old	1,586	5.4	1,409	434	468	506	177
55–64 years old	1,178	5.0	1,025	328	326	371	153
65–74 years old	801	4.7	661	259	209	193	140
75 years old and over	414	3.4	317	133	117	68	97
Region of residence:							
Northeast	1,192	5.5	1,024	350	356	318	168
Midwest	1,231	5.7	1,085	321	320	444	146
South	1,096	5.0	979	256	346	377	117
West	1,482	6.0	1,340	398	421	520	142
Size of consumer unit:							
One	719	5.4	616	207	242	167	103
Two persons	1,149	5.2	995	309	307	379	154
Three persons	1,497	5.8	1,338	367	450	522	159
Four persons	1,734	5.8	1,566	451	504	610	168
Five persons	1,659	6.3	1,707	434	447	826	152
Six persons or more	1,291	5.0	1,177	332	425	421	114
Income before taxes:							
Complete income reporters [2]	1,246	5.5	1,103	322	363	417	143
Under $5,000	586	5.1	512	178	173	161	74
$5,000–$9,999	450	3.9	379	95	153	131	71
$10,000–$14,999	761	5.1	661	164	279	218	100
$15,000–$19999	860	4.8	737	213	286	238	123
$20,000–$29,999	1,257	5.6	1,112	276	381	455	145
$30,000–$39,999	1,560	5.6	1,383	394	476	514	177
$40,000 and over	2,639	6.2	2,377	762	665	950	262
Incomplete reporters of income	1,069	5.4	946	306	295	344	123

[1] Some expenditures for vacation trips are not included in this category, such as food, lodging, and vehicle expenses. [2] A complete reporter is a consumer unit that provided values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey, Interview Survey*, annual.

No. 365. Sporting Goods Sales, by Product Category: 1980 to 1987

[In millions of dollars except as indicated. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations]

Selected product category	1980	1981	1982	1983	1984	1985	1986	1987, proj.
Sales, all products	**16,691**	**18,725**	**18,684**	**23,111**	**26,401**	**27,446**	**30,614**	**32,263**
Percent of retail sales	1.74	1.80	1.75	1.97	2.04	1.99	2.22	(NA)
Athletic and sport clothing [1]	**3,127**	**3,201**	**3,014**	**3,228**	**3,432**	**3,376**	**3,931**	**4,116**
Athletic and sport footwear	**1,731**	**1,785**	**1,900**	**2,186**	**2,381**	**2,610**	**3,119**	**3,394**
Gym shoes, sneakers	485	516	659	839	669	656	586	598
Jogging and running shoes	397	372	421	557	591	572	545	545
Tennis shoes	359	284	267	340	371	470	448	470
Aerobic shoes	(NA)	(NA)	10	29	54	178	333	383
Basketball shoes	86	80	81	119	159	185	187	200
Golf shoes	66	78	99	115	110	109	120	136
Baseball shoes	56	58	48	66	87	103	96	100
Athletic and sport equipment	**6,487**	**6,762**	**7,114**	**7,925**	**8,317**	**8,922**	**9,477**	**9,772**
Firearms and hunting	1,351	1,454	1,567	1,666	1,620	1,699	1,675	1,675
Fishing tackle	539	589	586	606	616	681	773	827
Camping	646	663	735	790	699	724	838	899
Golf	386	413	493	633	630	730	828	878
Snow skiing	379	307	332	386	502	593	622	676
Optics	(NA)	(NA)	(NA)	(NA)	294	309	359	376
Tennis	267	254	277	293	315	273	260	272
Archery	149	169	168	179	212	212	214	229
Baseball and softball	158	157	154	173	153	176	180	187
Water skis	123	123	106	133	146	125	132	138
Billiards	173	146	124	199	100	117	117	119
Bowling accessories	107	107	103	106	108	106	114	119
Recreational transport	**5,345**	**6,977**	**6,656**	**9,771**	**12,271**	**12,539**	**14,007**	**14,981**
Bicycles and supplies	1,233	1,299	1,148	1,638	1,840	2,109	2,518	2,559
Pleasure boats	2,718	3,656	3,684	4,612	6,209	6,753	7,372	7,741
Recreational vehicles	1,178	1,920	1,701	3,368	4,062	3,515	3,940	4,491
Snowmobiles	216	202	123	153	140	162	177	190

NA Not available. [1] Category does not completely cover all sales.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sport Goods Market in 1987*, and prior issues. (Copyright.)

Digitized by Google

No. 366. Quantity of Books Sold and Value of U.S. Domestic Consumer Expenditures, by Type of Publication and Market Area: 1975 to 1986

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
UNITS SOLD (mil.)												
Total [1]	1,541	1,589	1,666	1,768	1,799	1,856	1,895	1,924	2,045	2,012	2,044	2,033
Hardbound, total	526	547	573	601	629	689	742	690	749	788	831	841
Softbound, total	1,015	1,042	1,093	1,166	1,170	1,167	1,153	1, 233	1,297	1,224	1,213	1,192
Trade	272	288	320	356	375	487	495	518	614	612	666	672
Adult	182	193	217	255	285	369	372	356	409	424	455	448
Juvenile	90	95	103	101	90	118	123	162	205	188	210	225
Religious	96	113	128	135	145	152	149	157	153	162	144	143
Professional	51	57	61	72	85	103	110	125	139	129	140	156
Bookclubs	195	214	215	202	158	127	126	121	121	111	107	103
Elhi text	257	244	242	244	246	217	218	220	222	231	238	229
College text	84	84	83	91	101	118	119	119	122	114	110	99
Mail order publications	85	104	108	117	130	145	162	136	121	103	111	111
Mass market paperbacks	491	475	500	539	548	495	506	517	542	541	519	512
General retailers	595	618	668	744	775	841	867	911	1,019	1,004	1,023	1,032
College stores	195	203	214	229	223	242	245	251	266	260	258	246
Libraries and institutions	73	73	78	82	87	93	89	88	89	90	94	95
Schools	309	295	299	285	289	271	260	257	253	263	270	260
Direct to consumers	266	315	326	344	347	328	346	320	309	264	265	283
Other	83	85	81	84	78	80	89	96	109	111	115	118
CONSUMER EXPENDITURES (mil. dol.)												
Total [1]	4,969	5,580	6,300	7,231	7,948	8,854	9,906	10,549	12,012	12,837	14,072	14,984
Hardbound, total	3,276	3,653	4,032	4,646	5,143	5,731	6,463	6,601	7,574	8,136	8,924	9,560
Softbound, total	1,693	1,928	2,269	2,585	2,805	3,123	3,444	3,949	4,438	4,701	5,148	5,425
Trade	1,092	1,220	1,439	1,659	1,856	2,349	2,695	2,824	3,481	3,810	4,486	4,873
Adult	866	983	1,180	1,379	1, 553	1,954	2,242	2,325	2,881	3,150	3,669	3,924
Juvenile	226	237	259	279	303	395	453	499	600	659	818	949
Religious	358	453	520	552	626	687	763	838	997	1,130	1,130	1,180
Professional	590	662	786	1,053	1,156	1,453	1,656	1,871	2,136	2,207	2,415	2,698
Bookclubs	336	382	414	472	490	473	497	504	530	519	544	557
Elhi text	683	685	753	834	932	860	931	1,002	1,106	1,251	1,420	1,520
College text	635	665	725	819	957	1,138	1,289	1,429	1,577	1,628	1,707	1,799
Mail order publications	321	403	426	472	531	592	686	588	552	569	597	599
Mass market paperbacks	651	741	897	981	1,011	987	1,098	1,199	1,338	1,433	1,479	1,462
General retailers	1,565	1,791	2,123	2,500	2,838	3,341	3,891	4,224	5,095	5,536	6,159	6,578
College stores	895	1,005	1,140	1,319	1,383	1,603	1,833	2,037	2,326	2,428	2,615	2,768
Libraries and institutions	452	502	561	652	747	846	887	964	1,037	1,110	1,227	1,332
Schools	845	865	945	1,014	1,113	1,176	1,191	1,266	1,364	1,522	1,709	1,819
Direct to consumers	1,118	1,311	1,411	1,616	1,749	1,764	1,959	1,897	1,985	2,018	2,113	2,218
Other	94	106	120	130	119	124	147	163	204	224	249	269

[1] Includes university press publications and subscription reference works not shown separately by type.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends*, annual. (Copyright.)

No. 367. Selected Characteristics of Readers—Percent Distribution: 1983

[Covers persons 16 years old and over. Book reader is one who read one or more books in the six months prior to the survey; a non-book reader read newspapers or magazines but no books in the previous six months; and a nonreader did not read a book, newspaper, or magazine. Based on a sample survey of 1,429 respondents. For composition of regions, see fig. I, inside front cover]

CHARACTERISTICS	Book reader	Non-book reader	Non-reader	CHARACTERISTICS	Book reader	Non-book reader	Non-reader
All persons	50	44	6	Educational attainment:			
Male	42	52	6	High school or less	40	53	8
Female	57	37	6	Some college	68	29	3
				College or more	75	24	1
White	52	44	4	Household income:			
Other races	38	47	15	Less than $15,000	35	54	11
				$15,000–$24,999	53	41	6
16–20 years	62	31	8	$25,000–$39,999	59	39	3
21–29 years	60	36	3	$40,000 and over	70	29	1
30–39 years	58	39	3	Region:			
40–49 years	55	39	6	Northeast	49	46	5
50–64 years	39	54	6	Midwest	47	49	5
65 years and over	29	61	10	South	48	45	7
				West	59	34	7

Source: Book Industry Study Group, Inc., New York, NY, *1983 Consumer Research Study on Reading and Book Purchasing*. (Copyright.)

Digitized by Google

No. 368. New Books and New Editions Published, and Imports, by Subject: 1980 to 1986

[Covers listings in Bowker's *Weekly Record* in year shown, plus titles issued in that year which were listed in following six months. Comprises new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 49 pages. Data for imports in 1982 are not available. See also *Historical Statistics, Colonial Times to 1970*, series R 191-216]

SUBJECT	NEW BOOKS AND NEW EDITIONS							IMPORTS					
	1980	1981	1982	1983	1984	1985	1986, prel.	1980	1981	1983	1984	1985	1986, prel.
Total	42,377	[1] 48,793	46,935	53,380	51,058	50,070	42,793	5,390	3,830	5,918	6,337	7,304	5,903
Agriculture	461	474	439	572	507	536	445	104	65	87	103	118	88
Art	1,691	1,693	1,722	1,896	1,836	1,545	1,316	157	124	137	61	166	145
Biography	1,891	1,860	1,752	2,135	2,098	1,953	1,729	126	79	150	240	216	153
Business	1,185	1,342	1,327	1,636	1,696	1,518	1,349	74	46	132	140	196	130
Education	1,011	1,172	1,046	1,059	1,052	1,085	841	133	93	140	190	211	179
Fiction	2,835	5,655	5,419	5,470	5,413	5,105	4,877	71	56	127	164	171	161
General works	1,643	1,743	2,398	2,767	3,021	2,905	1,970	132	104	241	268	329	260
History	2,220	2,321	2,177	2,296	2,257	2,327	1,936	296	186	291	324	395	266
Home economics	879	1,108	1,099	1,325	1,306	1,228	894	40	9	43	41	41	31
Juvenile	2,859	3,102	3,049	3,197	3,128	3,801	3,812	58	32	72	69	92	92
Language	529	761	576	669	670	632	562	134	75	160	179	216	196
Law	1,102	1,448	1,451	1,756	1,406	1,349	1,077	112	82	141	158	170	134
Literature	1,686	1,777	1,742	1,957	2,006	1,964	1,800	183	124	200	238	267	212
Medicine	3,292	3,788	3,229	4,002	3,554	3,579	2,731	671	455	474	508	598	494
Music	357	398	346	417	387	364	292	35	28	60	54	70	51
Philosophy, psychology	1,429	1,465	1,465	1,578	1,554	1,559	1,368	218	148	163	211	267	210
Poetry and drama	1,179	1,183	1,049	1,234	1,164	1,166	1,056	120	97	168	174	220	185
Religion	2,055	2,278	2,075	2,433	2,482	2,564	2,212	94	73	119	160	173	107
Science	3,109	3,375	3,124	3,620	3,236	3,304	2,570	1,069	752	1,042	1,032	1,242	925
Sociology, economics	7,152	7,801	7,449	8,470	7,794	7,441	6,471	1,050	835	1,294	1,373	1,559	1,265
Sports, recreation	971	1,264	1,191	1,335	1,299	1,154	962	85	52	136	137	107	87
Technology	2,337	2,313	2,328	2,994	2,639	2,526	2,110	373	283	481	454	419	493
Travel	504	472	482	562	551	465	412	55	32	60	61	61	38

[1] Increase is due largely to a major improvement in the recording of paperbound books.

Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

No. 369. Books and Periodicals—Average Retail Prices: 1975 to 1986

[See headnote, table 368]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS [3]			
	1975	1980	1985	1986, prel.		1975	1980	1985	1986, prel.
Hardcover [1]	$16.19	$24.84	$31.46	$31.22	Total	$19.94	$34.54	$59.70	$65.00
Agriculture	13.72	27.55	36.77	37.81	Agriculture	9.70	15.24	26.05	28.71
Art	17.90	27.70	35.15	33.98	Business and economics	15.26	25.42	44.41	47.15
Biography	14.06	19.77	22.20	22.45	Chemistry and physics	76.84	137.45	238.43	264.05
Business	16.54	22.45	28.84	30.33	Children's periodicals	4.69	7.85	13.91	13.76
Education	10.81	17.01	27.28	25.63	Engineering	26.64	49.15	84.38	92.66
Fiction	8.31	12.46	15.29	16.37	Fine and applied arts	11.09	18.67	27.03	28.26
General reference	21.60	29.84	37.91	37.06	History	11.14	15.77	25.55	26.04
History	15.85	22.78	27.02	27.77	Home economics	14.24	24.63	41.04	45.59
Home economics	10.27	13.31	17.50	18.02	Industrial arts	10.59	20.70	35.09	39.75
Juvenile	5.62	8.16	9.95	10.51	Journalism, communications	14.70	27.34	46.08	47.54
Language	15.80	22.16	28.66	30.58	Labor and industrial relations	7.40	16.84	34.75	37.14
Law	23.22	33.25	41.70	48.02	Law	15.00	23.00	35.15	36.44
Literature	14.89	18.70	24.53	25.42					
Medicine	22.15	34.28	44.36	47.66	Library and information science	14.18	23.25	40.66	42.82
Music	14.83	21.79	28.79	32.36	Literature and languages	10.41	15.30	24.18	25.21
Philosophy, psychology	12.75	21.70	28.11	29.00	Mathematics, botany, geology, and general science	35.95	67.54	116.93	128.95
Poetry and drama	10.76	17.85	22.14	23.71	Medicine	42.38	73.37	137.82	151.77
Religion	11.16	17.61	19.13	21.59	Philosophy and religion	9.05	14.73	24.30	24.85
Science	22.81	37.45	51.19	53.59	Education	14.72	23.45	37.81	40.47
Sociology, economics	21.65	31.76	33.33	29.70	Physical education and recreation	7.80	13.83	23.72	24.78
Sports, recreation	10.97	15.92	23.43	23.55	Political science	12.79	19.90	32.72	35.19
Technology	19.66	33.64	50.37	53.10	Psychology	27.51	41.95	76.34	83.71
Travel	15.43	16.80	24.66	23.23	Sociology and anthropology	14.85	27.56	50.87	56.31
Paperbacks:					Zoology	27.37	44.58	90.75	102.83
Mass market [2]	1.46	(NA)	3.62	3.87	General interest periodicals	14.36	19.87	26.41	26.95
Trade or other	5.24	8.60	13.98	14.65					

NA Not available. [1] Excludes publications of U.S. and other governmental units, books sold only by subscription, and dissertations. [2] "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. [3] Average annual subscription prices.

Source: R. R. Bowker Co., New York, NY, Books, *Publishers Weekly*, March, 1987; *The Bowker Annual of Library and Book Trade Information*; Periodicals, *Library Journal*, April 15, 1986, and earlier issues. (Copyright by Reed Publishing.)

Digitized by Google

No. 370. Phonograph Records and Other Recording Media—Manufacturers' Shipments, Value, and New Product Releases: 1973 to 1986

[Domestic shipments based on reports of manufacturers representing more than 85 percent of the market. Domestic value data based on list prices of records and other media]

TYPE OF MEDIA	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
UNIT SHIPMENTS [1] (mil.)											
Total	**614.0**	**531.8**	**726.2**	**701.3**	**663.7**	**635.4**	**577.7**	**578.0**	**679.8**	**652.9**	**616.3**
Phonograph records	508.0	421.0	531.3	513.8	487.1	449.9	381.1	334.4	336.1	287.7	219.1
Long-playing albums	280.0	257.0	341.3	318.3	322.8	295.2	243.9	209.8	204.6	167.0	125.2
Singles	228.0	164.0	190.0	195.5	164.3	154.7	137.2	124.8	131.5	120.7	93.9
Pre-recorded	106.0	110.8	194.9	187.5	196.6	185.5	196.6	242.8	337.9	342.6	346.2
8-track cartridges	91.0	94.6	133.6	104.7	86.4	48.5	14.3	6.0	5.9	3.5	1.7
Cassettes	15.0	16.2	61.3	82.8	110.2	137.0	182.3	236.8	332.0	339.1	344.5
Compact disks	(x)	(x)	(x)	(x)	(x)	(x)	(x)	.8	5.8	22.8	53.0
MANUFACTURERS' VALUE (mil. dol.)											
Total	**2,001.0**	**2,378.3**	**4,131.4**	**3,685.4**	**3,862.4**	**3,969.9**	**3,641.6**	**3,814.3**	**4,370.4**	**4,387.8**	**4,651.2**
Phonograph records	1,436.0	1,696.5	2,733.8	2,411.4	2,559.8	2,598.1	2,208.1	1,958.3	1,847.5	1,561.5	1,211.1
Long-playing albums	1,246.0	1,485.0	2,473.3	2,136.0	2,290.3	2,341.7	1,925.1	1,689.0	1,548.8	1,280.5	983.0
Singles	190.0	211.5	260.3	275.4	269.3	256.4	283.0	269.3	298.7	281.0	228.1
Pre-recorded	565.0	681.8	1,397.8	1,274.0	1,302.8	1,371.8	1,433.5	1,838.8	2,419.8	2,436.8	2,510.0
8-track cartridges	489.0	583.0	948.0	669.4	526.4	309.0	49.0	27.9	35.7	25.3	10.5
Cassettes	76.0	98.8	449.8	604.6	776.4	1,062.8	1,384.5	1,810.9	2,383.9	2,411.5	2,499.5
Compact disks	(x)	(x)	(x)	(x)	(x)	(x)	(x)	17.2	103.3	389.5	930.1
NEW PRODUCT RELEASES											
Total	**(NA)**	**(NA)**	**12,780**	**12,025**	**10,955**	**8,910**	**8,485**	**7,520**	**8,405**	**9,015**	**(NA)**
Phonograph records	(NA)	(NA)	7,280	6,925	6,705	5,460	5,375	5,015	4,850	5,460	(NA)
Long-playing albums	(NA)	(NA)	4,170	3,575	3,030	2,810	2,630	2,300	2,170	2,360	(NA)
Singles	(NA)	(NA)	3,110	3,350	3,675	2,650	2,745	2,715	2,680	3,100	(NA)
Pre-recorded	(NA)	(NA)	5,500	5,100	4,250	3,450	3,110	2,125	2,400	2,395	(NA)
8-track cartridges	(NA)	(NA)	2,450	2,075	1,525	985	400	60	-	-	(NA)
Cassettes	(NA)	(NA)	3,050	3,025	2,725	2,465	2,710	2,065	2,400	2,395	(NA)
Compact disks	(X)	(X)	(X)	(X)	(X)	(X)	(X)	380	1,155	1,160	(NA)

- Represents zero. NA Not available. X Not applicable. [1] Units net after returns.

Source: Recording Industry Association of America, Inc., New York, NY, *Inside the Recording Industry: A Statistical Overview—1986 Update* (copyright) and press releases.

No. 371. Consumer Electronics—Shipments and Retail Value: 1985 and 1986

[Compiled from reports of associations and manufacturers. Shipments represent number of units available for sale in the U.S., including imports. Retail value represents median price of product times the number of units shipped]

PRODUCT	MANUFACTURERS SHIPMENTS (1,000)		RETAIL VALUE (mil. dol.)	
	1985	1986	1985	1986
Video:				
TV, B&W	3,745	3,730	367	364
TV, color	16,894	18,855	7,250	7,832
TV, projection	261	315	437	664
Videocassette recorders	11,912	12,685	(NA)	5,067
Video cameras	402	181	266	118
Videodisc players	179	125	51	25
Audio/hifi:				
Autosound	21,763	21,625	1,987	2,022
Components	8,800	10,914	1,653	2,041
Tape decks	836	908	156	176
Cartridges (excl. OEM)	3,047	2,795	94	86
Compact disk players	850	1,384	264	357
Compact systems	2,112	2,484	433	421
Headphones	3,167	3,425	134	140
Personal portable stereos	6,972	8,369	(NA)	422
Portable tape equipment	27,626	30,635	1,333	1,449
Racked systems	877	954	528	560
Radios	27,528	29,896	808	845
Speakers (components only)	3,345	3,789	474	535
Electronics furniture	6,260	6,857	930	1,037
Home office:				
Calculators	33,166	31,318	930	727
Hand-held	27,825	25,750	466	283
Electronic typewriters	850	2,038	185	446
Facsimile machines	(NA)	181	(NA)	584
Home office—Con.				
Radar detectors	1,227	1,688	187	263
Radios, citizen band	1,729	1,884	135	146
Radios, specialty	8,166	8,154	(NA)	477
Telephone equipment:				
Cellular telephones	(NA)	265	(NA)	423
Corded telephones	22,403	23,768	983	1,006
Cordless telephones	4,076	4,279	380	410
Telephone answering devices	3,306	3,584	371	371
Computers & videogames:				
Monitors	(NA)	950	(NA)	190
Personal computers	4,025	3,075	(NA)	2,983
Printers	(NA)	1,568	(NA)	1,071
Videogames hardware	(NA)	2,336	(NA)	205
Videogame cartridges	(NA)	9,850	(NA)	180
Software:				
Blank audio cassettes	266,168	268,500	570	451
Blank videotape	156,088	192,655	1,132	1,106
Beta	27,897	29,024	210	170
VHS	128,191	162,631	923	924
Prerecorded videotape	43,100	65,441	1,913	2,418
Beta	7,430	6,707	301	246
VHS	35,670	58,234	1,613	2,160
Videodiscs, lasers	7,200	10,040	(NA)	326
Blank floppy disks	205,063	425,000	(NA)	680
Home computer software	(NA)	18,175	(NA)	495

NA Not available.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 65th Annual Statistical and Marketing Report.

Digitized by Google

No. 372. Selected Spectator Sports: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series H 865–870 and H 872]

SPORT	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Baseball, major leagues: [1]										
Attendance	1,000	29,191	30,373	43,746	[2] 27,285	45,415	46,269	45,262	47,742	48,452
Regular season	1,000	28,747	29,789	43,014	[2] 26,544	44,587	45,540	44,742	46,824	47,506
National League	1,000	16,662	16,600	21,124	[3] 12,478	21,507	21,549	20,781	22,292	22,333
American League	1,000	12,085	13,189	21,890	[3] 14,066	23,080	23,991	23,961	24,532	25,173
Playoffs	1,000	191	276	407	403	443	425	248	591	624
World Series	1,000	325	308	325	338	385	304	272	327	322
Players' average salaries [4]	$1,000	29	45	144	186	241	289	329	371	413
Basketball: [4]										
Men's:										
College: [5]										
Teams	Number	(NA)	(NA)	1,258	1,275	1,264	1,266	1,260	1,266	1,265
Attendance	1,000	(NA)	(NA)	30,692	30,935	31,106	31,471	31,684	32,057	31,645
Women's:										
College:										
Teams	Number	(NA)	(NA)	(NA)	(NA)	1,095	1,114	1,147	1,166	1,188
Attendance	1,000	(NA)	(NA)	(NA)	(NA)	4,203	4,269	4,812	5,440	5,461
Pro: [6]										
Teams	Number	14	18	22	23	23	23	23	23	23
Attendance, total [7]	1,000	4,912	7,591	10,697	10,235	10,732	10,262	11,110	11,491	11,491
Regular season	1,000	4,341	6,892	9,936	9,449	9,969	9,638	10,015	10,506	11,215
Average per game	Number	7,563	9,339	11,017	10,021	10,593	10,220	10,620	11,141	11,893
Playoffs	1,000	556	685	740	765	727	606	1,096	985	979
Players' average salaries	$1,000	(NA)	(NA)	170	171	212	249	275	325	375
Football:										
College: [5]										
Teams	Number	617	634	642	648	649	651	654	661	666
Attendance	1,000	29,466	31,688	35,541	35,807	36,539	36,302	36,652	36,312	36,388
National Football League: [8]										
Teams	Number	26	26	28	28	28	28	28	28	28
Attendance, total	1,000	10,071	10,769	14,092	14,326	[2] 8,504	13,953	14,053	14,056	17,304
Regular season	1,000	9,533	10,213	13,392	13,607	[2] 7,367	13,277	13,398	13,345	13,582
Average per game	Number	52,381	56,116	59,787	60,745	58,472	59,273	59,813	59,576	60,635
Postseason games [9]	1,000	538	556	700	719	[2] 1,137	676	655	711	734
Players' average salaries [10]	$1,000	23	40	79	90	102	127	158	193	202
U.S. Football League, attendance [11]	1,000	(X)	(X)	(X)	(X)	(X)	2,681	4,394	3,295	2,380
North American Soccer League: [12]										
Teams	Number	6	20	24	21	14	12	9	(NA)	(NA)
Attendance	1,000	(NA)	1,825	6,194	5,429	3,251	2,669	1,158	(NA)	(NA)
National Hockey League: [4] [13]										
Regular season attendance	1,000	5,992	9,522	[14] 10,534	10,726	10,710	11,021	11,359	11,633	11,621
Playoffs attendance	1,000	462	784	[14] 977	986	1,058	1,008	1,107	1,109	1,152
Players' average salaries [15]	$1,000	(NA)	(NA)	108	120	124	130	145	145	158
Horseracing: [16] [17]										
Racing days	Number	9,962	13,110	13,133	13,464	13,523	13,545	13,683	13,745	13,853
Attendance	1,000	69,704	78,662	74,690	75,463	76,858	75,693	74,076	73,346	70,580
Parimutuel turnover	Mil. dol.	5,977	7,862	11,218	11,677	11,868	11,733	12,032	12,222	12,421
Revenue to government	Mil. dol.	486	582	713	680	653	639	650	625	587
Greyhound: [16]										
Total performances	Number	3,023	3,960	5,855	6,379	6,499	8,257	8,661	9,590	10,654
Attendance	1,000	12,660	17,456	20,874	21,424	21,375	22,140	22,076	23,853	25,759
Parimutuel turnover	Mil. dol.	730	1,261	2,064	2,173	2,179	2,306	2,421	2,702	3,005
Revenue to government	Mil. dol.	53	91	152	152	160	170	177	201	215
Jai alai: [18]										
Teams	Number	6	9	9	12	12	12	12	12	16
Attendance	1,000	2,247	4,229	3,939	5,453	4,948	4,829	4,878	4,722	6,757

NA Not available. X Not applicable. [1] Source: The National League of Professional Baseball Clubs, New York, NY; *National League Green Book*; and The American League of Professional Baseball Clubs, New York, NY; *American League Red Book*. [2] Season was interrupted by strike. [3] Major League Baseball Players Association, New York, NY. [4] Season ending in year shown. [5] Source: National Collegiate Athletic Assn., Mission, KS. [6] Source: National Basketball Assn., New York, NY. Includes playoffs. [7] Includes All-Star game. [8] Source: National Football League, New York, NY. [9] Includes Pro Bowl, a non-championship game and Super Bowl. [10] National Football League Players Association, Washington, DC. [11] Source: U.S. Football League, New York, NY. [12] Source: North American Soccer League, New York, NY. [13] Source: National Hockey League, Montreal, Quebec. [14] World Hockey Association ceased operation after 1978–1979 season. Four former WHA teams joined NHL in 1979–1980 season. [15] National Hockey League Players Association, Toronto, Canada. [16] Source: National Assn. of State Racing Commissioners, Lexington, KY. [17] Includes thoroughbred, harness, quarter horse, and fairs. [18] Florida only. Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL.

Source: Compiled from sources listed in footnotes.

Digitized by Google

NO. 373. SELECTED RECREATIONAL ACTIVITIES: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 671, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Softball, amateur: [1]										
Total participants [2]	Million	16	26	30	30	30	30	35	41	41
Youth participants	1,000	255	450	650	685	690	700	700	712	715
Adult teams [3]	1,000	29	66	110	117	133	146	146	152	167
Youth teams [3]	1,000	2	9	16	20	22	27	29	31	35
Golfers (1 round or more) [4]	1,000	11,245	13,036	15,112	15,566	16,003	16,514	17,009	17,520	20,200
Golf rounds played	1,000	266,169	308,562	357,701	368,447	378,791	390,886	402,603	414,777	421,000
Golf facilities	Number	10,188	11,370	12,005	12,035	12,140	12,197	12,278	12,346	12,471
Classification:										
Private	Number	4,619	4,770	4,839	4,789	4,798	4,809	4,831	4,861	4,916
Daily fee	Number	4,248	5,014	5,372	5,426	5,494	5,528	5,566	5,573	5,640
Municipal	Number	1,321	1,586	1,794	1,816	1,848	1,860	1,881	1,912	1,913
Tennis: [5]										
Players	1,000	10,655	[6] [7] 29,201	(NA)	(NA)	[6] 25,450	(NA)	[6] 19,456	[6] 18,951	[6] 16,017
Indoor	1,000	(NA)	[6] [7] 4,072	(NA)	(NA)	[6] 4,015	(NA)	(NA)	(NA)	(NA)
Courts	1,000	(NA)	130	(NA)	180	165	200	220	220	220
Indoor	1,000	(NA)	6	(NA)	11	11	13	14	14	14
Tenpin bowling:										
Participants, total [8]	Million	51.6	62.5	72.0	(NA)	68.9	(NA)	67.0	67.0	67.0
Male	Million	24.6	29.9	34.0	(NA)	32.2	(NA)	32.0	32.0	32.0
Female	Million	27.0	32.6	38.0	(NA)	36.7	(NA)	35.0	35.0	35.0
Establishments [10]	Number	9,140	8,577	8,591	8,528	8,481	8,404	8,351	8,275	8,149
Lanes [10]	1,000	141	141	154	154	154	154	155	155	153
Membership, total [10] [11]	1,000	7,733	6,751	9,595	9,621	9,550	9,269	8,401	8,064	7,839
American Bowling Congress	1,000	4,210	4,300	4,688	4,645	4,685	4,556	3,791	3,657	3,625
Women's Bowling Congress	1,000	2,988	3,692	4,118	4,049	4,065	3,947	3,866	3,714	3,551
Young American Bowling Alliance [12]	1,000	535	759	789	927	800	765	744	693	663
Motion picture theaters [13] [14]	1,000	14	15	16	16	16	19	20	21	23
Four-wall	1,000	10	11	14	15	15	16	17	18	20
Drive-in	1,000	4	4	4	3	3	3	3	3	3
Receipts, box office	Mil. dol	1,225	2,115	2,749	2,966	3,453	3,766	4,031	3,749	3,776
Admission, average price	Dollars	1.55	2.05	2.69	2.78	2.94	3.15	3.36	3.55	3.71
Attendance	Million	921	1,033	1,022	1,067	1,175	1,197	1,199	1,056	1,017
Bicycles: [15]										
Domestic shipments	Million	5.0	5.6	7.0	6.6	5.1	8.3	5.9	5.6	5.3
Imports	Million	1.9	1.7	2.0	2.1	1.6	2.7	4.2	5.6	7.0
Boating: [16]										
Recreational boats owned	Million	8.6	9.7	11.8	12.5	12.9	13.0	13.5	13.8	14.3
Outboard boats	Million	5.2	5.7	6.6	7.0	7.1	7.2	7.3	7.4	7.6
Inboard boats	Million	.6	.8	1.2	1.2	1.3	1.3	1.4	1.4	1.5
Sailboats	Million	.6	.6	1.0	1.0	1.1	1.1	1.1	1.2	1.2
Canoes	Million	2.4	2.4	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Rowboats and other	Million			1.5	1.9	1.9	1.6	1.8	1.6	1.9
Expenditures, total [17]	Bil. dol	3.4	4.6	7.4	8.3	8.1	9.4	12.3	13.3	14.5
Outboard motors in use	1,000	7,215	7,649	6,241	8,527	8,776	9,051	9,400	9,733	10,081
Motors sold	1,000	430	435	315	318	293	337	411	392	410
Value, retail	Mil. dol	281	411	554	898	759	964	1,294	1,319	1,464
Outboard boats sold	1,000	276	328	290	281	236	273	317	305	314
Value, retail	Mil. dol	177	263	408	431	409	502	708	759	835
Inboard/outdrive boats sold	1,000	43	70	56	51	55	79	108	115	120
Value, retail	Mil. dol	182	420	618	653	686	975	1,442	1,663	1,861
All terrain vehicles:										
Vehicles in use or owned [18]	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	1,100	1,600	2,000	2,300
Imports [19]	1,000	(NA)	(NA)	(NA)	(NA)	275	430	635	663	498
Snowmobiles: [20]										
Factory sales	1,000	172	144	62	40	29	27	32	30	36
Apparent consumption [21]	1,000	405	145	86	57	55	53	68	61	64

NA Not available. [1] Source: Amateur Softball Association, Oklahoma City, OK. [2] Amateur Softball Association teams and other amateur softball teams. [3] Amateur Softball Association teams only. [4] Source: National Golf Foundation, North Palm Beach, FL. [5] Source: U.S. Tennis Association, Princeton, NJ. [6] Survey by A. C. Nielsen Co. [7] 1976 data. [8] Based on National Sporting Goods Association Sports Participation Survey. [9] For season ending in year shown. Persons 5 years old and over. Source: National Bowling Council, Washington, DC. [10] Source: American Bowling Congress, Greendale, WI. Season ending in year shown. [11] Membership totals are for U.S., Canada and for U.S. military personnel worldwide. [12] Prior to 1982, represents American Jr. Bowling Congress and ABC/WIBC Collegiate Division. [13] Source: Motion Picture Association of America, Inc., New York, NY. [14] Prior to 1975, figures represent theaters; thereafter, screens. [15] Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. [16] Source: National Marine Manufacturers Association, Chicago, IL. [17] Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. [18] Source: Specialty Vehicle Institute of America, Costa Mesa, CA. [19] Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. [20] Source: U.S. International Trade Commission. Estimated. [21] Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

Digitized by Google

No. 374. Participation in Sports Activities, by Selected Characteristics: 1986

[Except as indicated, **in percent** of participants 7 years of age or older who participated more than once. Based on a sampling of 10,000 households. For composition of regions, see fig. I, inside front cover]

Activity	All persons	Sex		Age						Region			
		Male	Female	Under 12 yrs.	12–17 yrs.	18–24 yrs.	25–34 yrs.	35–54 yrs.	55 yrs. and over	Northeast	Midwest	South	West
All persons (1,000)	**214,818**	**104,096**	**110,721**	**16,266**	**21,029**	**27,936**	**42,391**	**56,116**	**51,059**	**46,488**	**54,807**	**72,984**	**40,741**
Sports participated in:													
Swimming	33.8	32.6	34.9	57.5	56.0	41.8	40.8	28.0	13.4	33.9	34.0	33.6	33.9
Exercise walking	24.9	18.3	31.2	10.7	13.4	22.4	27.0	30.7	27.4	21.8	25.0	25.2	27.7
Bicycle riding	23.1	22.7	23.5	53.0	47.5	23.9	24.8	17.3	6.4	19.9	26.9	20.5	26.5
Camping (vacation/overnight)	19.2	21.3	17.2	29.0	26.0	20.9	27.1	17.8	7.2	13.8	19.5	16.6	29.5
Fishing—fresh water	19.0	26.1	12.2	25.7	24.2	20.7	25.2	16.0	9.5	12.6	23.1	19.4	19.6
Bowling (10 pin)	15.9	16.9	15.0	13.3	23.1	25.4	21.8	14.0	5.9	16.6	20.9	12.7	14.2
Exercising with equipment	14.9	15.3	14.5	3.0	20.6	26.8	21.3	14.5	4.9	12.9	14.7	14.4	16.3
Running/jogging	10.8	12.0	9.7	10.3	23.2	18.8	13.9	8.2	1.7	6.8	10.3	10.1	14.9
Aerobic exercising	10.2	2.8	17.1	5.1	11.5	16.4	17.0	9.9	2.5	8.9	9.9	9.5	13.1
Basketball	9.9	14.4	5.5	16.0	35.4	16.8	9.9	3.7	.2	6.6	10.4	9.8	10.5
Softball	9.7	12.4	7.2	11.7	22.1	15.9	15.0	5.9	.5	10.4	11.1	6.9	8.6
Volleyball	9.7	9.5	9.8	6.9	24.5	18.5	13.3	6.0	.5	8.9	11.6	6.8	9.5
Hunting/shooting with firearms	9.6	17.1	2.5	3.0	12.4	13.4	14.9	10.0	3.4	6.1	10.0	10.0	9.9
Golf	9.3	14.3	4.7	2.4	8.8	11.8	11.0	10.2	6.0	8.6	12.1	7.6	9.0
Tennis	8.4	9.2	7.6	5.0	19.1	16.9	9.8	5.7	1.1	8.2	8.2	6.5	9.6
Hiking	7.9	8.4	7.5	8.0	10.7	9.9	10.8	8.1	3.1	6.8	7.1	5.3	15.1
Calisthenics	6.7	6.3	7.1	6.7	14.1	8.6	8.2	5.2	2.9	6.5	6.6	5.8	6.6
Baseball	6.5	10.9	2.4	16.6	23.8	9.4	4.7	2.6	.2	7.0	7.0	6.0	6.0
Fishing—salt water	5.7	8.1	3.5	3.6	5.8	5.5	7.1	6.4	4.5	6.6	1.5	6.3	5.8
Football	5.6	9.5	1.9	8.0	23.4	10.6	4.1	1.6	.3	5.9	6.2	5.3	5.0
Water skiing	5.5	6.6	4.5	3.4	10.5	10.5	8.9	3.8	.5	3.1	6.1	6.1	6.6
Skiing—alpine/downhill	4.5	5.7	3.4	2.6	9.0	9.8	5.9	3.6	.3	6.2	3.2	2.7	7.6
Soccer	3.6	5.1	2.6	16.3	16.3	2.9	1.2	.8	-	5.1	3.5	2.9	4.6
Backpacking/wilderness camping	3.7	5.4	2.2	3.0	7.6	5.8	5.6	2.9	.5	3.4	3.0	3.0	6.3
Racquetball	3.6	5.1	2.3	1.0	5.0	6.3	5.9	2.9	.4	3.4	3.9	3.2	4.3
Archery	2.4	4.0	.8	3.7	8.4	3.3	2.8	1.0	.1	2.5	3.1	1.9	2.2
Skiing—cross country	2.2	2.1	2.3	2.4	2.9	1.9	3.1	2.7	.8	3.4	3.6	.4	2.0

- Rounds to less than .05.

Source: National Sporting Goods Association, Mt. Prospect, IL, *Sports Participation in 1986: Series I.* (Copyright.)

Digitized by Google

No. 375. Adult Participation in Leisure Time Activities, by Selected Type: 1986

[As of early Dec. 1986. Based on national sample survey of 1,500 households conducted by the Gallup Organization, Inc.]

Type of activity	Number (mil.)	Percent [1]	Type of activity	Number (mil.)	Percent [1]	Type of activity	Number (mil.)	Percent [1]
Swimming	75	43	Weight lifting (net) [2]	37	21	Table tennis	26	15
Bicycling	60	35	Calisthenics	35	20	Body building	24	14
Fishing	56	33	Volleyball	34	20	Hunting	24	14
Jogging, running	49	28	Basketball	34	19	Frisbee	22	13
Pool, billiards	44	26	Bicycle touring, racing	31	18	Golf	21	12
Camping	44	25	Motorboating	31	18	Tennis	21	12
Hiking	44	25	Aerobics, dancercize	28	16	Canoeing, rowing	19	11
Bowling	39	22	Baseball	28	16	Target shooting	19	11
Softball	39	22	Weight lifting	28	16	Roller skating	17	10

[1] Percent of U.S. adults 18 years and over. [2] Any form of weight training, including weight lifting, body building, Nautilus.

Source: The National Gardening Association, Burlington, VT, unpublished data. Based on data from the Gallup Organization, Princeton, NJ.

No. 376. Home Gardening—Summary: 1975 to 1986

[Based on national sample survey conducted by the Gallup Organization. Prior to 1985, survey respondents were questioned only about their own gardening activities. Beginning in 1985, respondents were questioned about activities of all household members. For the 1986 survey, a total of 2,586 adults were interviewed. Subject to sampling variability; see source]

Item	1975	1980	1985	1986	Characteristic of respondent	1986, percent with—		
						Vegetable garden	Flower garden	Lawn care
Households with vegetable gardens (mil.)	35	34	33	34	18–29 years old	31	33	50
Percent of total	49	43	37	38	30–49 years old	39	47	64
					50 years and over	43	48	57
Median size of garden (sq. ft.)	540	663	300	325	Northeast	33	41	52
Median yield per garden (dol.)	258	460	(NA)	278	Midwest	50	53	70
Average cost per garden (dol.)	30	50	(NA)	41	South	33	34	54
					West	37	49	53
Percent of households—								
With flower gardens	39	37	41	44	Central city	26	32	45
Engaged in lawn care	56	52	64	58	Suburb	33	44	56
Growing fruits or berries	12	21	24	30	Small town	32	45	60
With indoor houseplants	40	40	42	41	Rural	61	54	71

Source: The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual. (Copyright.)

No. 377. Sport Fishing and Hunting Licenses—Number and Cost: 1970 to 1985

[For fiscal years ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 875–876]

Item	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Fishing licenses: Sales	Million	31.1	34.7	34.0	32.8	35.4	35.2	37.9	37.2	37.8	36.1	36.7
Resident	Million	26.8	30.0	29.0	27.9	30.3	30.1	32.6	32.1	32.5	31.0	30.5
Nonresident	Million	4.3	4.7	5.0	4.9	5.1	5.1	5.3	5.1	5.3	5.1	5.2
Paid license holders [1]	Million	24.4	27.5	27.3	26.2	27.9	28.0	29.3	29.8	29.1	29.0	29.7
Cost to anglers	Mil. dol	91	142	156	159	174	196	213	227	244	260	282
Hunting licenses: Sales	Million	22.2	25.9	25.4	25.8	26.4	27.0	27.9	28.3	28.9	26.5	27.7
Resident	Million	21.0	24.7	24.1	24.4	25.0	25.6	26.4	26.7	27.2	26.8	26.1
Nonresident	Million	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.7	1.6
Paid license holders [1]	Million	15.4	16.6	16.2	16.3	16.6	16.3	16.6	16.7	16.4	16.0	15.9
Cost to hunters	Mil. dol	102	155	173	185	199	222	242	259	277	292	301
Federal duck stamps sold	1,000	2,072	2,222	2,197	2,209	2,216	2,090	2,045	1,907	1,926	1,866	1,914

[1] Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home State license.

Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

Digitized by Google

No. 378. Sportsmen—Selected Characteristics: 1980 and 1985

[**Covers persons 16 years old and over.** Sportsmen are anyone who fished or hunted. Based on the National Survey of Fishing, Hunting, and Wildlife-Associated Recreation conducted by the Bureau of the Census. For composition of divisions, see fig. I, inside front cover]

Characteristic	Number (1,000)		Percent of population who participated		Characteristic	Number (1,000)		Percent of population who participated	
	1980	1985, prel.	1980	1985, prel.		1980	1985, prel.	1980	1985, prel.
Total persons [1]	**46,713**	**50,500**	**27**	**28**	New England	1,900	2,065	20	21
					Middle Atlantic	5,044	5,573	18	19
16–17 years old	2,209	2,563	50	33	East North Central	8,713	8,999	28	29
18–24 years old	5,939	7,487	43	29	West North Central	4,718	5,120	37	39
25–34 years old	8,986	13,625	49	35	South Atlantic	7,902	8,894	28	29
35–44 years old	6,051	11,173	47	33	East South Central	3,651	3,726	34	33
45–54 years old	4,249	6,399	39	27	West South Central	5,800	6,436	33	33
55–64 years old	3,419	5,306	34	23	Mountain	2,808	3,159	33	33
65 years old and over	2,389	3,946	24	14	Pacific	6,177	6,525	25	24
					Household income:				
Male	33,243	34,916	41	41	Under $10,000	7,060	5,173	20	19
Female	13,469	15,584	15	16	$10,000–$19,999	12,248	10,711	30	26
					$20,000–$24,999	7,754	4,968	36	30
White	43,161	46,766	29	30	$25,000–$29,999	5,848	7,941	36	31
Black	2,709	2,526	15	14	$30,000–$49,999	6,574	13,378	34	33
Other races	843	1,208	18	19	$50,000–$74,999	1,691	4,158	29	30
					$75,000 and over		2,264		30

[1] Includes not reported, not shown separately.

Source: U.S. Fish and Wildlife Service and U.S. Bureau of the Census, *1980* and *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*, forthcoming report.

No. 379. Selected Characteristics of Fishermen and Hunters: 1985

[Preliminary data. See headnote, table 378]

Type of fishing	Fishermen		Days of fishing (mil.)	Expenditures (mil. dol.)	Type of hunting	Hunters		Days of hunting (mil.)	Expenditures (mil. dol.)
	Number (1,000)	Percent of population				Number (1,000)	Percent of population		
Total, all fishing [1]	**46,609**	**26**	**988**	**28,166**	**Total, all hunting** [1]	**16,690**	**9**	**335**	**10,092**
All freshwater fishing	40,185	22	831	19,556	Big game	12,520	7	131	6,068
Freshwater, except Great Lakes	38,815	21	792	17,988	Small game	10,831	6	132	1,853
Great Lakes	3,906	2	49	1,568	Migratory bird	5,036	3	42	1,072
Saltwater	14,121	8	158	7,275	Other animals	2,837	2	47	362

[1] Type of fishing/hunting will not add to the total since each respondent may report under more than one category.

Source: U.S. Fish and Wildlife Service, *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*, forthcoming report.

No. 380. Wildlife-Associated Recreation Expenditures, by Type of Activity and Expenditure: 1985

[Preliminary data. See headnote, table 378]

Type of expenditure	Expenditures (mil. dol.)				Expenditure per participant (dol.)			
	Total [1]	Fishing	Hunting	Nonconsumptive [2]	Total [1]	Fishing	Hunting	Nonconsumptive [2]
Total [3]	**55,450**	**28,166**	**10,092**	**14,271**	**393**	**604**	**605**	**106**
Food and lodging	10,047	5,650	1,884	2,514	71	121	113	19
Transportation	7,019	3,718	1,612	1,689	50	80	97	13
Other trip costs	4,327	3,880	218	229	31	83	13	2
Licenses, tags, permits	811	392	418	(NA)	6	8	25	(NA)
Equipment	9,445	2,784	3,045	3,616	67	60	182	27
Auxiliary equipment	1,517	481	398	507	11	10	24	4
Special equipment	19,713	10,267	1,509	5,234	140	220	90	39

NA Not available. [1] Includes expenditures not specified by type of activity. [2] Observing, photographing, and feeding wildlife. [3] Includes expenditures for magazines, membership dues and contributions, and land leasing and ownership not shown separately.

Source: U.S. Fish and Wildlife Service, *1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*, forthcoming report.

Digitized by Google

No. 381. Boy Scouts and Girl Scouts—Membership and Units: 1960 to 1986

[**In thousands.** Boy Scouts as of **Dec. 31**; Girl Scouts as of **Sept. 30.** Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas]

ITEM	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
BOY SCOUTS OF AMERICA												
Membership	5,165	5,733	6,287	5,318	4,285	4,318	4,355	4,542	4,689	4,755	4,845	5,171
Boys	3,783	4,231	4,683	3,933	3,176	3,207	3,244	3,425	3,567	3,657	3,755	4,037
Tiger cubs (6 yr. old)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	84	124	145	169	260
Cub Scouts (7–10 yr. old)	1,865	2,064	2,438	1,997	1,716	1,696	1,643	1,609	1,569	1,493	1,499	1,714
Boy Scouts (11–17 yr. old)	1,647	1,850	1,916	1,503	1,058	1,064	1,101	1,126	1,116	1,078	1,063	1,042
Explorers (14–20 yr. old) [1]	271	317	329	434	402	447	499	606	758	941	1,024	1,021
Adults	1,382	1,502	1,604	1,385	1,109	1,110	1,111	1,117	1,122	1,096	1,090	1,134
Total units (packs, troops, posts)	130	145	157	150	129	129	130	132	134	135	134	132
GIRL SCOUTS OF THE U.S.A.												
Membership	3,419	3,647	3,922	3,234	2,961	2,784	2,829	2,819	2,868	2,871	2,802	2,917
Girls [2]	2,646	3,030	3,248	2,723	2,389	2,250	2,276	2,247	2,281	2,247	2,172	2,248
Daisies (5 yr. old)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	61	114
Brownies (6–8 yr. old)	(2)	1,072	1,259	1,160	1,206	1,115	1,110	1,120	1,163	1,172	1,128	1,166
Juniors (9–11 yr. old)	(1)	1,416	1,509	1,188	926	894	916	874	847	801	735	725
Cadettes (12–14 yr. old)	(1)	443	395	301	193	172	170	169	176	170	151	143
Seniors (14–17 yr. old)	(1)	99	85	74	52	46	45	41	40	40	40	41
Adults	773	617	674	511	572	534	553	572	607	624	630	669
Total units (troops)	164	153	164	159	157	154	157	160	165	166	166	174

X Not applicable. [1] Both girls and boys are members. [2] Beginning 1979, includes girls registered in other categories, not shown separately. [3] Comparable data not available.

Source: Boy Scouts of America, National Council, Irving, TX, *Annual Report*; and Girl Scouts of the United States of America, New York, NY, *Annual Report*.

No. 382. Participation Rates for Various Arts Performances and Leisure Activities by Selected Characteristics: 1985

[Represents **percent** of population 18 years old and over who participated at least once in the 12 months prior to the survey. Based on the Leisure Activities Survey conducted by the Bureau of the Census]

CHARACTERISTIC	ATTENDED AT LEAST ONCE						Visited at least once—art museum or gallery	Read—novel, short stories, poetry, or plays
	Jazz performance	Classical music performance	Opera performance	Musical plays	Plays	Ballet performance		
Average	**10**	**13**	**3**	**17**	**12**	**4**	**22**	**56**
18–24 years	14	11	2	15	11	4	22	57
25–34 years	15	12	2	16	12	5	26	59
35–44 years	10	16	4	21	14	6	27	62
45–54 years	8	15	4	20	13	3	22	57
55–64 years	5	11	3	18	10	4	19	50
65–74 years	3	13	3	13	10	4	16	50
75 years and over	1	10	1	8	7	2	10	48
Male	10	11	2	15	11	3	21	48
Female	9	14	3	19	12	5	23	63
White	9	14	3	18	12	5	23	58
Black	13	6	1	9	6	2	11	44
Other race	8	15	4	13	8	5	24	50
Northeast	8	13	4	20	14	5	21	57
Midwest	10	15	1	17	11	4	21	55
South	9	10	2	13	10	4	19	51
West	12	15	4	19	13	5	30	66
Household income, **1985:**								
Under $5,000	8	9	2	10	8	3	16	44
$5,000–$9,999	7	7	1	8	4	2	12	43
$10,000–$14,999	8	8	1	11	8	3	15	50
$15,000–$24,999	8	11	2	12	9	4	19	53
$25,000–$49,999	11	15	3	22	14	5	28	63
$50,000 and over	19	30	8	37	28	11	45	77
Not ascertained	9	12	2	17	11	3	19	56
Education:								
Grade school	1	3	1	3	1	1	4	23
Some high school	3	3	1	6	4	1	7	37
High school graduate	7	7	1	12	6	2	14	52
Some college	13	15	3	21	15	6	30	72
College graduate	18	29	8	34	26	9	45	78
Graduate school	24	41	11	40	36	15	56	80

Source: U.S. National Endowment for the Arts, *Survey of Public Participation in the Arts*, forthcoming.

Digitized by Google

NO. 383. PERFORMING ARTS—SELECTED DATA: 1970 TO 1986

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Legitimate theater: [1]											
Broadway shows:											
New productions	62	59	54	47	67	67	53	50	36	31	33
Playing weeks [2] [3]	1,047	1,101	1,360	1,472	1,541	1,545	1,461	1,259	1,119	1,062	1,049
Number of tickets sold (1,000)	(NA)	(NA)	8,621	9,115	9,380	10,822	10,694	8,102	7,898	7,156	8,527
Gross box office receipts	53.3	57.4	103.8	128.1	143.4	194.5	221.2	263.1	226.5	208.0	190.6
Road shows:											
Playing weeks [3]	1,024	799	1,025	1,192	1,351	1,343	1,317	990	1,057	993	983
Gross box office receipts	48.0	50.9	106.0	148.9	181.2	218.9	249.5	184.3	206.2	225.9	235.6
Opera companies [4]	**648**	**807**	**956**	**966**	**986**	**1,019**	**993**	**1,031**	**1,051**	**1,123**	**1,176**
Major	35	54	76	95	109	127	133	144	154	168	170
Expenditures	36.5	(NA)	96.3	111.5	133.6	161.6	191.1	212.4	236.7	256.5	270.3
Other companies	266	335	458	456	458	456	416	488	491	576	602
Workshops	347	418	420	415	419	436	444	399	406	379	404
Opera performances	4,779	6,428	7,806	8,554	9,391	9,683	9,510	10,693	10,421	10,642	11,080
Operas performed	341	387	448	498	497	559	571	590	576	578	660
Musical performances [5]	(NA)	(NA)	906	1,430	1,397	2,251	2,233	2,749	2,787	4,983	6,993
Musicals performed [5]	(NA)	(NA)	43	72	104	118	122	120	129	242	301
World premieres	17	16	42	64	79	88	94	96	101	121	116
Attendance (mil.)	4.6	6.0	9.8	9.9	10.7	11.1	10.1	12.7	13.0	14.1	14.4
Symphony orchestras [6]	**1,441**	**1,463**	**1,470**	**1,540**	**1,572**	**1,572**	**1,572**	**1,572**	**1,572**	**1,572**	**1,572**
College	298	300	278	379	385	385	385	386	380	371	371
Community [7]	1,019	1,003	950	909	926	926	919	920	937	946	927
Urban	24	41	76	79	85	85	94	101	89	89	93
Metropolitan	72	90	106	113	115	115	110	98	96	96	107
Regional	(*)	(*)	29	29	29	30	34	37	40	40	43
Major	28	29	31	31	32	31	30	30	30	30	31
Concerts	6,599	14,171	18,027	22,096	22,229	19,327	19,204	19,167	19,086	19,969	20,272
Attendance (mil.)	12.7	18.3	21.4	22.4	22.6	22.8	22.0	22.0	23.2	23.7	25.4
Gross income	73.3	124.5	178.1	216.8	246.3	288.9	325.5	348.9	379.0	435.4	480.5
Earned income	43.1	70.9	102.5	122.6	141.2	163.3	187.6	201.8	220.2	250.7	282.4
Contributed income	30.2	53.6	75.6	94.2	105.1	125.6	137.9	147.1	158.8	184.7	198.1
Gross expenses	76.4	129.5	183.1	221.0	252.1	289.3	315.3	352.2	389.8	441.8	491.2

NA Not available [1] Source: *Variety*, New York, NY, various June issues (copyright). [2] All shows (new productions and holdovers from previous seasons). [3] Eight performances constitute one playing week. [4] Source: Central Opera Service, New York, NY, *Central Opera Service Bulletin*, periodic. Major companies have annual budgets of $100,000 or more and issue American Guild of Musical Artists (AGMA) contracts to soloists. Workshops are primarily college and university opera groups. [5] Covers not-for-profit companies only. [6] Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets: As of 1986, community under $135,000; urban, $135,000–$285,000; metropolitan, $285,000–$1,000,000; regional, $1,000,000–$3,600,000; and major, over $3,600,000: Prior to 1984, other budget classifications were in effect. [7] Beginning 1976, includes youth and chamber groups with budgets under $70,000. [8] Classification began in 1976.

Source: Compiled from sources listed in footnotes.

NO. 384. FINANCIAL SUPPORT OF THE ARTS BY PRIVATE CORPORATE BUSINESS—SUMMARY: 1983 TO 1985

[In millions of dollars]

TYPE OF ART CATEGORY	1983	1984	1985	TYPE OF ART CATEGORY	1983	1984	1985
Direct cash support	**451.6**	**482.4**	**559.0**	Historic and cultural preservation projects	6.4	9.7	11.3
Museums	99.6	104.5	133.2	Libraries	4.2	4.8	8.8
Symphony orchestra	61.0	66.8	79.8	Commercial TV and radio, cultural programming	6.0	6.5	5.6
Performing arts and cultural facilities	82.0	52.0	59.4	Public TV and radio, general support	7.4	16.5	4.5
Theaters	23.0	67.2	49.5	Crafts	.3	2.3	1.8
Art funds—general support	9.2	28.5	37.9	Artist-in-residence programs	.6	1.1	1.0
Other music	20.7	25.3	30.2	Poetry and writing	.4	1.4	1.0
Dance	18.2	20.7	25.4	Video projects (non-commercial)	.4	.2	.1
Public TV and radio, program underwriting	14.8	17.9	23.6	Folk art	.2	–	–
Opera	48.0	24.8	22.7	Other (excluding commercial activities)	23.7	12.7	38.1
Films (non-commercial)	9.7	15.7	13.2				
Arts-in-education programs	13.6	3.8	11.8				

– Represents or rounds to zero.

Source: Business Committee for the Arts, New York, NY, press release.

Digitized by Google

No. 385. Arts and Humanities—Selected Federal Aid Programs: 1970 to 1986

[In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section 9]

TYPE OF FUND AND PROGRAM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
National Endowment for the Arts:										
Funds available [1]	15.7	86.9	179.6	188.1	151.9	133.4	147.5	169.9	171.7	167.1
Program appropriation	6.3	67.3	102.1	97.0	114.0	103.3	101.7	119.0	118.7	115.7
Matching funds [2]	2.0	7.5	37.5	42.9	34.9	14.2	24.9	27.4	29.5	30.0
Grants awarded (number)	556	3,071	5,090	5,505	6,475	5,090	5,174	5,056	4,801	4,484
Funds obligated	12.9	61.7	178.4	166.4	150.7	117.7	127.0	147.4	149.4	146.6
Music	2.5	14.9	18.4	13.6	16.2	14.1	12.9	15.2	15.3	14.6
State arts agencies	1.9	14.7	22.8	22.1	23.7	21.3	21.1	24.8	24.4	23.8
Museums	(NA)	10.8	11.8	11.2	13.2	11.5	10.0	12.5	11.9	11.5
Theater	2.8	8.4	8.3	8.4	10.6	9.6	9.5	10.7	10.6	10.2
Dance	1.7	6.1	6.1	8.0	9.1	8.5	9.1	9.1	9.0	9.0
Public media	.2	5.4	9.4	8.4	12.8	10.1	9.3	9.5	9.9	12.3
Challenge [3]	(x)	(x)	59.8	50.8	15.0	14.4	14.0	18.8	20.7	20.7
Visual arts	1.0	3.2	4.7	7.3	7.5	6.5	5.8	6.8	6.2	5.7
Other	2.6	20.1	37.3	36.6	42.4	35.8	35.1	40.6	41.3	38.6
National Endowment for the Humanities:										
Funds available [1]	13.0	86.0	186.9	186.2	144.4	[4] 120.9	[5] 123.5	127.3	125.6	121.1
Program appropriation	6.1	67.3	98.3	100.3	106.5	90.4	90.4	97.6	95.2	91.9
Matching funds [2]	2.0	6.5	36.5	38.4	33.5	28.8	27.9	29.5	30.4	27.3
Grants awarded (number)	542	1,330	2,599	2,917	2,760	2,143	1,928	2,523	2,241	2,297
Funds obligated	10.5	73.1	185.1	185.5	144.4	115.8	123.3	127.6	125.7	121.1
Education programs	4.2	17.1	20.0	18.3	17.3	13.0	14.7	19.3	17.9	14.8
State programs	(x)	(x)	24.7	26.0	26.0	22.6	24.0	26.0	24.4	24.1
Research grants	2.0	13.4	32.2	32.0	25.5	25.7	23.1	24.1	24.4	21.0
Fellowship program	1.7	10.9	16.6	18.0	17.5	16.5	14.1	15.0	15.3	14.4
Challenge [3]	(x)	(x)	55.6	53.5	24.0	20.7	21.8	18.3	19.6	16.2
General programs	(x)	(x)	(x)	(x)	(x)	16.2	24.9	24.3	24.1	24.7
National Capital Arts and Cultural Affairs Program	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	1.9
Other	2.6	31.8	35.8	37.7	34.0	.9	.7	.7	(x)	(x)

NA Not available X Not applicable [1] Includes other funds, not shown separately. Excludes administrative funds. Gifts are included through 1980; excluded thereafter. [2] Represents Federal funds appropriated only upon receipt or certification by Endowment of matching non-Federal gifts. [3] Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis. [4] Excludes $5.2 million reappropriated to challenge grants in 1983. [5] Includes reappropriated funds from 1982.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

No. 386. State Legislative Appropriations for State Arts Agencies: 1980 to 1987

[For fiscal years ending in year shown. Fiscal years for most States ended June 30]

STATE	1980, total ($1,000)	1985, total ($1,000)	1986, total ($1,000)	1987		STATE	1980, total ($1,000)	1985, total ($1,000)	1986, total ($1,000)	1987	
				Total ($1,000)	Per capita [1] (dol.)					Total ($1,000)	Per capita [1] (dol.)
Total	**101,029**	**161,413**	**195,822**	**218,805**	**.92**	NV	87	124	174	179	.19
AL	525	1,000	1,045	921	.23	NH	153	129	323	337	.34
AK	1,675	5,295	4,001	2,190	4.20	NJ	3,333	6,217	10,391	13,453	1.78
AZ	233	617	1,010	1,142	.36	NM	203	700	714	699	.48
AR	846	796	836	970	.41	NY	33,265	39,088	44,219	48,591	2.73
CA	7,891	10,422	11,793	12,535	.48	NC	1,379	2,921	3,938	4,051	.65
CO	609	929	971	1,608	.50	ND	101	175	236	238	.35
CT	1,305	1,122	1,479	1,666	.53	OH	4,709	5,785	7,493	9,089	.85
DE	123	450	496	604	.97	OK	552	1,596	1,821	1,535	.47
DC	356	1,278	1,765	2,368	3.78	OR	335	456	487	505	.19
FL	2,376	9,045	9,761	12,710	1.12	PA	2,594	5,585	6,724	7,780	.66
GA	1,102	1,720	2,201	2,688	.45	RI	359	419	444	600	.62
HI	1,545	1,592	2,170	2,282	2.17	SC	941	1,858	2,556	2,772	.83
ID	86	125	131	134	.13	SD	155	251	284	287	.41
IL	2,246	5,648	6,559	6,758	.76	TN	517	719	[2] 3,616	1,383	.29
IN	1,277	1,450	1,831	1,837	.33	TX	1,215	4,240	4,846	2,984	.18
IA	313	492	523	732	.25	UT	1,088	1,400	1,566	1,631	.99
KS	262	488	596	561	.23	VT	106	226	243	265	.50
KY	857	1,536	1,564	1,983	.53	VA	1,230	1,748	1,948	2,980	.52
LA	857	1,133	1,205	713	.16	WA	579	1,747	1,879	1,706	.39
ME	180	325	420	474	.41	WV	1,563	1,849	2,117	2,242	1.16
MD	1,345	1,796	1,909	4,776	1.09	WI	719	968	1,152	1,149	.24
MA	2,300	13,603	16,379	16,266	3.14	WY	63	145	145	169	.33
MI	6,078	8,617	10,292	11,426	1.26	Am. Samoa	43	48	45	47	1.33
MN	2,845	2,265	2,503	2,763	.66	GU	74	215	305	305	2.55
MS	307	436	466	412	.16	No. Marianas	–	25	25	40	2.15
MO	2,531	3,067	6,904	4,194	.83	PR	4,980	5,853	7,781	13,494	4.13
MT	93	703	649	900	1.09	VI	103	144	104	104	.96
NE	399	635	583	583	.36						

– Represents zero. [1] Based on enumerated resident population as of July 1, 1985. [2] Includes $2.5 million one-time gift.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

Digitized by Google

No. 387. International Travelers and Expenditures—Summary: 1970 to 1986

[For coverage, see tables 389 and 390. See also *Historical Statistics, Colonial Times to 1970*, series H 921, 928, 941, and

Year	Travel and passenger fare payments by U.S. travelers		Travel and passenger fare receipts from foreign visitors		U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad (1,000)	For visit the (1,
	Total [1] (mil. dol.)	Expenditures abroad (mil. dol.)	Total [1] (mil. dol.)	Travel receipts (mil. dol.)			
1970	5,195	3,980	2,708	2,331	−2,487	5,260	
1971	5,663	4,373	2,959	2,534	−2,704	5,667	
1972	6,638	5,042	3,311	2,817	−3,327	6,790	
1973	7,316	5,526	4,130	3,412	−3,186	6,893	
1974	8,075	5,980	4,845	4,032	−3,230	6,467	
1975	8,680	6,417	5,464	4,697	−3,216	6,354	
1976	9,424	6,856	6,679	5,742	−2,745	6,897	
1977	10,199	7,451	7,175	6,150	−3,024	7,390	
1978	11,371	8,475	8,421	7,183	−2,950	7,790	
1979	12,597	9,413	10,118	8,441	−2,479	7,835	
1980	14,004	10,397	12,650	10,588	−1,354	8,163	
1981	15,966	11,479	15,488	12,913	−478	8,040	
1982	17,166	12,394	15,085	12,393	−2,081	8,510	
1983	19,040	13,556	13,932	11,408	−5,108	9,628	
1984	21,951	15,449	13,891	11,353	−8,060	11,252	
1985	23,795	16,482	14,171	11,675	−9,624	12,309	
1986, prel	24,469	17,627	15,924	12,913	−8,545	11,562	

[1] Includes passenger fares not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

No. 388. Passports, by Sex and Age of Traveler: 1970 to 1985

[**In thousands.** Total passports are actual count; all other data based on a sample and prorated to total passports. Data r number of passports issued, not travelers. Excludes passport renewals. A single passport may cover more than one t more than one person. See also *Historical Statistics, Colonial Times to 1970*, series H 899–920]

Sex and age	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total passports	**2,219**	**2,729**	**2,415**	**2,334**	**2,817**	**3,107**	**3,234**	**3,170**	**3,020**	**3,222**	**3,764**	**4,122**	**4,718**
Male	1,124	1,321	1,155	1,128	1,354	1,496	1,555	1,543	1,497	1,552	1,849	1,964	1,980
Female	1,095	1,408	1,260	1,206	1,463	1,611	1,679	1,627	1,523	1,670	1,915	2,158	2,738
Under 20 years	362	497	448	405	460	511	541	567	516	524	621	663	708
20–29 years	507	564	491	458	530	566	580	581	541	567	634	637	746
30–39 years	293	376	348	345	432	499	535	547	533	584	665	698	834
40–49 years	356	431	371	347	423	452	472	465	437	470	544	613	742
50–59 years	341	434	383	384	484	527	545	506	474	493	552	638	701
60 years and over	360	427	374	395	488	552	561	504	519	584	748	873	987

Source: U.S. Dept. of State, Bureau of Consular Affairs, *Summary of Passport Statistics*, annual.

No. 389. Foreign Travel to the U.S.—Travelers and Receipts: 1970 to 1986

[**Travelers in thousands; expenditures in millions of dollars.** Includes travelers for business and pleasure, foreigners through the United States, and students; excludes travel by foreign government personnel and foreign businessmen emp the United States. Travelers from overseas excludes Canada and Mexico. See also *Historical Statistics, Colonial Times* series H 946–951]

Area of origin	1970	1975	1979	1980	1981	1982	1983	1984	1985
Travelers from overseas	**2,288**	**3,674**	**7,230**	**8,200**	**9,069**	**8,761**	**7,873**	**7,527**	**7,536**
Western Europe	984	1,500	3,135	3,700	4,170	3,778	3,020	2,981	2,905
Caribbean, Central America	484	478	855	850	853	907	1,218	996	1,014
South America	318	438	995	1,200	1,382	1,278	1,055	771	782
Japan	207	747	1,095	2,450	2,664	2,798	2,580	2,779	2,837
Other	295	511	1,150						
Total receipts	**2,331**	**4,697**	**8,441**	**10,588**	**12,913**	**12,393**	**11,408**	**11,353**	**11,675**
Canada	859	1,561	2,092	2,501	2,672	2,624	3,168	3,092	3,049
Mexico	583	1,311	1,975	2,522	3,775	3,098	1,951	1,905	2,013
U.S. border area	520	972	1,266	1,614	2,547	2,308	1,457	1,519	1,595
Western Europe	318	611	1,667	2,192	2,549	2,476	2,157	2,229	2,263
Caribbean, Central America	170	206	375	423	469	525	684	604	633
South America	164	303	793	1,063	1,273	1,269	1,091	879	921
Japan	101	410	699	824	949	1,084	1,128	1,294	1,418
Other	136	295	840	1,063	1,226	1,317	1,229	1,350	1,378
Fares to U.S. carriers [1]	377	767	1,677	2,062	2,575	2,692	2,524	2,538	2,496

[1] Includes fares paid to and from the United States only.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

Digitized by Google

No. 390. U.S. Travel to Foreign Countries—Travelers and Expenditures: 1970 to 1986

[**Travelers in thousands; expenditures in millions of dollars, except as indicated.** Covers residents of United States and Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940]

ITEM AND AREA	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total overseas travelers [1]	5,260	6,354	7,835	8,163	8,040	8,510	9,628	11,252	12,309	11,562
Region of destination:										
Europe and Mediterranean	2,898	3,185	4,066	3,934	3,931	4,144	4,780	5,760	6,457	5,126
Average length of stay (days)	27	24	20	21	(NA)	(NA)	19	17	18	(NA)
Caribbean and Central America	1,663	2,065	2,533	2,624	2,453	2,637	2,989	3,313	3,497	3,800
South America	249	447	434	594	567	529	535	557	553	616
Other	450	657	800	1,011	1,089	1,200	1,324	1,622	1,802	2,020
Expenditures abroad	3,980	6,417	9,413	10,397	11,479	12,394	13,556	15,449	16,482	17,627
Canada	1,018	1,306	1,599	1,817	2,070	1,936	2,160	2,416	2,694	3,242
Mexico	778	1,637	2,460	2,564	2,862	3,324	3,618	3,599	3,531	3,879
Total overseas areas	2,184	3,474	5,354	6,016	6,547	7,134	7,778	9,434	10,257	10,506
Europe and Mediterranean	1,425	1,918	3,185	3,412	3,587	3,787	4,201	5,171	5,867	5,315
Average per trip [2] (dollars)	490	602	783	867	912	914	882	897	(NA)	(NA)
Average per day (dollars)	18.15	25.19	39.15	41.28	(NA)	(NA)	46.42	52.76	(NA)	(NA)
Caribbean and Central America	390	787	1,019	1,134	1,277	1,349	1,428	1,786	1,830	2,077
South America	90	242	288	392	383	380	408	357	365	407
Japan	97	131	142	185	214	272	276	400	458	738
Other	182	396	720	893 [1]	1,086	1,346	1,465	1,720	1,747	1,969

NA Not available [1] Excludes the following: Travel to Canada and Mexico; travel between conterminous United States and Alaska, Hawaii, Puerto Rico, and Virgin Islands; cruise travelers; military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad. [2] Excludes transatlantic passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

No. 391. Air Travel Between the United States and Foreign Countries: 1980 to 1986

[**In thousands.** Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Puerto Rico, Guam, or the Virgin Islands, and any other outlying area are included. Data compiled from flight reports of U.S. Immigration and Naturalization Service. Selection of countries based on minimum of 145,000 arrivals in 1986, except for Greece, which declined from earlier years. For related data, see also *Historical Statistics, Colonial Times to 1970*, series C 296-331]

FLAG OF CARRIER AND COUNTRY	ARRIVALS					DEPARTURES				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total passengers	20,262	20,840	23,212	24,154	25,606	19,256	19,724	21,608	22,487	23,175
Flag of carrier:										
United States	10,031	10,698	11,623	11,797	12,254	9,369	9,888	10,531	10,696	10,711
Foreign	10,231	10,142	11,588	12,357	13,354	9,886	9,837	11,076	11,791	12,464
Country of embarkation or debarkation: [1]										
Australia	227	242	277	277	313	245	201	223	232	281
Bahamas, The	1,123	1,344	1,373	1,503	2,488	1,006	1,075	1,063	1,151	1,206
Barbados	135	167	211	216	216	126	168	212	204	213
Belgium	242	250	242	281	316	231	226	216	249	285
Bermuda	497	439	441	434	500	467	394	395	389	396
Brazil	300	308	321	352	433	291	303	304	322	397
China, Taiwan	113	154	187	206	254	90	128	167	187	219
Colombia	315	309	265	279	281	299	302	290	294	270
Denmark	267	230	239	241	247	254	219	235	254	261
Dominican Republic	468	532	575	606	705	443	490	479	528	626
France	689	705	795	955	908	635	656	748	894	870
Grand Cayman	121	144	170	173	199	112	135	160	161	175
Greece	208	234	265	187	86	190	222	234	210	91
Haiti	133	159	175	192	179	124	144	156	169	163
Hong Kong	228	217	295	270	304	152	184	263	238	267
Ireland	220	222	256	274	300	212	196	212	233	268
Israel	189	233	255	294	187	186	228	278	255	236
Italy	537	572	649	662	506	495	561	647	660	475
Jamaica	429	682	712	707	851	382	601	616	607	778
Japan	1,624	1,896	2,267	2,435	2,612	1,602	1,854	2,127	2,255	2,420
Mexico	2,886	2,691	2,901	2,719	2,843	2,886	2,670	2,808	2,674	2,878
Netherlands	427	467	558	583	589	409	458	513	562	557
Netherlands Antilles	327	370	426	407	465	282	321	346	395	416
Panama	150	146	169	180	176	142	164	194	209	201
Philippines	194	158	165	145	144	160	133	166	165	177
South Korea	234	249	290	390	509	186	212	244	333	423
Spain	312	376	418	419	304	273	350	378	397	302
Switzerland	312	314	427	452	416	306	327	409	434	416
United Kingdom	2,973	2,812	3,222	3,460	3,215	2,840	2,687	3,103	3,322	3,083
Venezuela	533	312	255	248	259	516	321	257	245	257
West Germany	1,175	1,223	1,404	1,582	1,582	1,178	1,220	1,419	1,539	1,569
Other	2,674	2,683	2,987	3,025	3,219	2,534	2,574	2,746	2,720	2,999

[1] Country where passenger boarded/deboarded a direct flight to/from the U.S.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *U.S. International Air Travel Statistics*, annual.

192-073 O - 88 - 9 : QL 3

Digitized by Google

No. 392. Nonimmigrants Admitted, by Class of Admission: 1970 to 1986

[In thousands, except as noted. Except as noted, for fiscal years ending in year shown; see text, section 10. Nonimmigrants are non-resident aliens (non-U.S. citizens) admitted to the U.S. for a temporary period. Included in this group are visitors for business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and their spouses and children, international representatives, treaty traders and investors, representatives of foreign information media, fiances(ees) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO) and aliens in transit. Most classes include spouses and unmarried minor (or dependent) children accompanying or following to join the alien. Excludes aliens who are border crossers, crewmen, and insular travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149–157]

CLASS OF ADMISSION	1970	1975	1981	1982	1983 [1]	1984	1985	1986
Nonimmigrants	**4,431.9**	**7,083.9**	**[2] 11,756.9**	**[2] 11,779.4**	**9,849.4**	**9,426.8**	**9,675.7**	**10,607.**
Temporary visitors, total	3,345.2	5,587.4	10,650.6	10,627.6	8,532.2	8,218.0	8,405.4	9,279.9
Percent of total	75.5	78.9	90.6	90.2	86.6	87.2	86.9	87.5
For pleasure	3,020.4	5,060.0	9,515.2	9,401.1	6,766.4	6,594.6	6,808.6	7,342.3
For business	324.8	527.4	1,135.4	1,226.4	1,765.8	1,623.4	1,796.8	1,937.9
Returning resident aliens [3]	493.5	800.0	(X)	(X)	(X)	(X)	(X)	(X)
Transit aliens [4]	231.9	273.0	214.1	189.5	269.0	238.4	236.5	243.1
Foreign government officials [5]	50.5	68.4	84.7	91.1	92.6	89.4	90.2	93.7
Treaty traders and investors [5]	19.2	35.0	80.8	94.7	92.8	90.5	96.5	103.7
Students [6]	107.3	118.0	271.9	294.6	318.2	256.5	285.5	288.2
Representatives to international organizations [5]	23.8	32.6	54.2	55.0	56.8	56.6	57.2	59.4
Temporary workers and industrial trainees	86.5	67.3	54.9	63.9	83.2	79.6	87.5	99.1
Workers of distinguished merit and ability	11.1	15.6	(NA)	(NA)	39.9	42.5	47.3	54.4
Other temporary workers	69.3	37.5	(NA)	(NA)	29.5	23.4	24.5	28.0
Industrial trainees	5.3	3.8	(NA)	(NA)	3.0	2.9	3.0	2.9
Their spouses and children	.8	10.6	10.1	11.5	10.8	10.8	12.6	13.7
Representatives of foreign information media [5]	4.7	6.1	16.7	13.5	16.3	19.1	16.8	16.9
Exchange visitors [5]	66.6	63.4	108.0	115.4	118.5	120.9	141.2	163.0
NATO officials [5]	2.3	4.0	7.1	6.8	6.8	7.8	8.3	7.0
Fiances(ees) of U.S. citizens [6]	.1	6.4	6.2	7.5	7.2	7.1	7.8	8.1
Intracompany transferees [5]	.4	22.3	65.0	81.0	104.6	103.6	106.9	108.0
Parolees [7]	(X)	(X)	(X)	(X)	51.5	47.8	47.5	45.9
Refugees	(X)	(X)	(X)	(X)	62.9	68.5	68.0	51.2
Other	(X)	(X)	(X)	(X)	34.8	23.1	20.3	39.1

NA Not available. X Not applicable. [1] Calendar year. [2] Includes nonimmigrants admitted whose class was unknown. [3] For 1970–1979, returning resident aliens who had once been counted as immigrants were included with nonimmigrants. Since 1981, data no longer collected. [4] Includes foreign government officials and their spouses and (unmarried minor or dependent) children, in transit. [5] Includes spouses and children. [6] Includes children of fiances(ees) of U.S. citizens. [7] Aliens allowed to enter the U.S. for a temporary period of time on emergency conditions or when the entry is determined to be in the public interest (e.g., witness in court).

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 393. Nonimmigrants Admitted, by Country of Last Permanent Residence: 1983 to 1986

[In thousands. For years ending September 30, except as noted. For definition of nonimmigrants, see table 392. Students and others entering with multiple entry documents are only counted on the first admission. Changes in reporting requirements affect reporting of nonimmigrants especially from Canada and Mexico]

COUNTRY	1983 [1]	1984	1985	1986	COUNTRY	1983 [1]	1984	1985	1986
Total	**9,849**	**9,427**	**9,676**	**10,607**	**Europe** [2]	**3,290**	**3,214**	**3,144**	**3,620**
					Austria	48	50	51	58
America [3]	**3,290**	**2,902**	**3,048**	**3,108**	Belgium	73	66	67	82
Argentina	95	84	89	181	Denmark	52	55	59	72
Bahamas, The	274	215	231	254	France	336	354	359	448
Brazil	215	175	201	252	Germany	445	573	543	656
Canada	169	161	154	150	Greece	47	50	52	64
Colombia	257	172	166	160	Ireland	67	67	73	96
Dominican Republic	112	90	88	97					
Ecuador	50	48	53	63	Italy	223	236	241	277
Guatemala	96	86	71	72	Netherlands	156	144	140	168
Haiti	87	75	80	80	Norway	70	71	71	85
Jamaica	160	116	127	147	Poland	16	29	47	58
Mexico	669	823	954	822	Portugal	22	25	27	29
Panama	69	57	55	58					
Peru	90	69	60	63	Soviet Union [4]	6	6	6	8
Trinidad and Tobago	121	98	90	76	Spain	120	104	104	119
Venezuela	285	186	173	148	Sweden	118	122	122	141
					Switzerland	158	161	155	183
Asia [3]	**2,312**	**2,468**	**2,649**	**2,832**	United Kingdom	1,092	1,000	925	1,159
China [3]	137	147	186	190	Yugoslavia	17	20	22	26
Hong Kong	102	104	101	113					
India	72	82	86	99	**Africa**	**196**	**200**	**179**	**181**
Iran	22	30	42	32	**Australia and New Zealand**	**311**	**326**	**347**	**370**
Israel	114	116	116	137	**Other countries and unknown**	**450**	**317**	**309**	**286**
Japan	1,335	1,442	1,558	1,683					
Korea	77	82	93	103					
Philippines	93	107	109	113					

[1] Calendar year. [2] Includes countries not shown separately. [3] Includes Taiwan. [4] Europe and Asia.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

Digitized by Google

No. 394. Travel by U.S. Residents by Selected Trip Characteristic: 1981 to 1986

[In millions. Represents trips to places 100 miles or more away from home]

Characteristic	Trips						Person-trips					
	1981	1982	1983	1984	1985	1986	1981	1982	1983	1984	1985	1986
Total	587.2	537.3	540.9	528.2	558.4	592.3	1,152.0	1,069.3	1,057.8	1,012.0	1,077.6	1,121.5
Purpose:												
Visit friends and relatives	201.3	191.3	181.9	180.3	206.8	214.7	421.0	409.8	384.6	384.5	430.8	442.5
Other pleasure	187.4	180.4	189.6	170.4	177.6	200.3	412.3	377.7	401.4	349.7	376.0	418.9
Business or convention	113.6	101.9	103.6	114.5	133.3	140.0	157.3	152.4	146.4	156.1	185.2	189.0
Other	84.9	63.7	65.8	63.0	40.7	37.3	161.4	129.4	125.4	121.7	85.6	71.1
Mode of transport:												
Auto, truck, recreation vehicle	456.2	415.7	396.1	380.9	376.1	405.6	957.4	881.5	839.8	794.0	797.7	832.1
Airplane	99.9	94.6	116.2	118.8	140.5	143.4	144.0	144.9	174.2	174.5	217.3	231.0
Other	31.1	27.0	28.6	28.5	41.8	43.3	50.6	42.9	43.8	43.5	62.6	58.4
Vacation trip	340.2	314.6	307.8	333.3	339.8	354.3	737.9	660.2	642.3	669.6	726.7	752.4
Weekend trip	259.0	238.4	225.5	211.4	224.0	252.0	545.7	505.3	485.0	434.9	470.1	513.5

Source: U.S. Travel Data Center, Washington, DC, *1986 National Travel Survey*, annual. (Copyright.)

No. 395. Business Receipts and Employment of Selected Travel Industry Sectors: 1973 to 1986

Year	Business receipts (mil. dol.)							Employment (1,000)					
	Travel industry, total	Transportation			Motel, hotel	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services
		Air [1]	Bus	Rail [2]					Intercity highway passengers	Air			
1973	77,578	8,518	1,023	202	10,955	40,402	16,478	4,812.2	41.3	365.7	3,053.8	807.7	543.7
1974	87,214	9,903	1,152	246	11,757	44,673	19,483	5,018.4	42.4	367.8	3,231.2	823.5	553.5
1975	96,840	10,301	1,172	237	13,002	51,067	21,061	5,226.5	39.9	362.8	3,379.5	849.5	596.8
1976	110,155	12,104	1,232	266	15,129	57,211	24,213	5,591.6	39.6	373.8	3,656.2	885.2	636.8
1977	121,685	13,773	1,331	281	16,413	63,276	26,611	5,951.0	37.4	386.3	3,948.6	913.0	665.7
1978	136,356	15,753	1,420	287	20,070	71,724	27,102	6,375.2	36.1	407.9	4,277.2	945.6	708.4
1979	158,257	18,931	1,664	365	25,229	81,990	30,078	6,719.9	36.7	436.2	4,513.1	1,019.9	712.0
1980	175,447	23,317	1,943	415	26,832	89,924	33,016	6,918.3	37.9	453.4	4,625.8	1,037.7	763.5
1981	194,789	25,504	2,069	468	31,572	97,969	37,207	7,102.2	38.1	454.6	4,749.5	1,076.4	783.8
1982	204,096	25,442	2,103	465	32,749	104,427	38,912	7,205.8	38.8	443.6	4,831.2	1,092.8	799.2
1983	222,401	27,347	2,211	515	35,897	114,684	41,747	7,461.3	35.5	455.2	5,041.8	1,131.1	817.7
1984	241,764	31,181	2,241	557	38,917	124,541	44,327	7,938.7	37.3	488.5	5,386.0	1,221.3	803.6
1985	257,915	32,247	2,229	605	41,837	133,243	47,754	8,399.3	35.7	519.0	5,713.1	1,293.0	838.5
1986	275,566	32,900	2,140	631	45,895	142,900	51,100	8,759.5	36.3	559.5	5,916.8	1,331.8	913.1

NA Not available. [1] U.S. certificated carriers in domestic service. [2] Covers fiscal years October 1 through September 30.
Source: U.S. Travel Data Center, Washington, DC, *The 1985–86 Economic Review of Travel in America*. (Copyright.)

No. 396. Domestic Travel Expenditures by State: 1984 and 1985

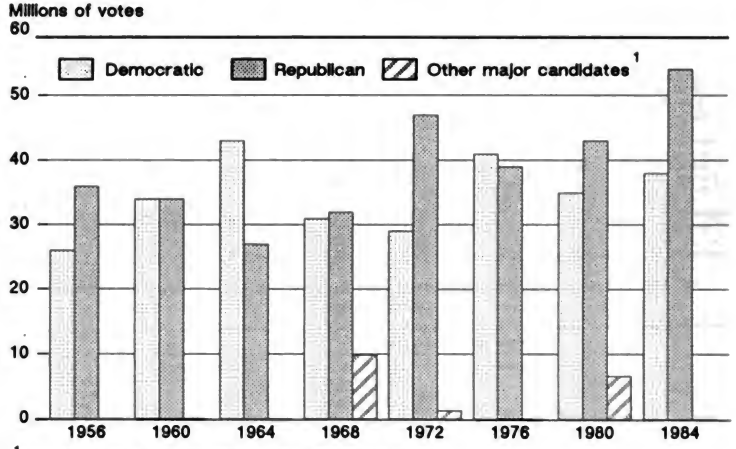
[In millions of dollars, except percent. Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad]

State	1984	1985	Percent change, 1984–1985	State	1984	1985	Percent change, 1984–1985	State	1984	1985	Percent change, 1984–1985
U.S. total	223,318	242,443	8.6	KY	2,225	2,290	2.9	ND	629	648	3.1
				LA	3,742	3,790	1.3	OH	6,433	6,849	6.5
AL	1,623	1,753	8.0		1,532	1,730	12.9	OK	2,788	2,902	4.1
AK	903	919	1.8	MD	3,806	4,346	14.2	OR	2,303	2,462	6.9
AZ	3,845	4,389	14.2	MA	5,243	5,666	8.1	PA	8,375	9,321	11.3
AR	1,822	1,870	2.6	MI	6,289	7,172	14.1	RI	431	488	13.2
CA	28,552	32,507	13.9	MN	4,955	5,209	5.1	SC	3,019	3,386	12.2
CO	4,638	5,005	7.9	MS	1,254	1,369	9.2	SD	552	576	4.4
CT	2,428	2,635	8.5	MO	4,705	4,976	5.8	TN	3,333	3,756	12.7
DE	556	660	18.8	MT	726	742	2.1	TX	15,017	15,685	4.5
DC	1,144	1,232	7.7	NE	1,252	1,280	2.2	UT	1,761	1,852	5.2
FL	17,681	18,642	5.4	NV	6,459	6,912	7.0	VT	1,182	1,228	3.9
GA	4,862	5,222	7.4	NH	1,504	1,562	3.9	VA	4,710	5,305	12.6
HI	2,532	2,781	9.8	NJ	11,441	12,933	13.0	WA	3,452	3,837	11.1
ID	935	975	4.2	NM	1,726	1,804	4.5	WV	1,271	1,298	2.2
IL	7,792	8,662	11.2	NY	15,728	16,538	5.2	WI	3,858	4,065	5.4
IN	2,775	2,965	6.9	NC	5,251	5,668	7.9	WY	779	805	3.3
IA	1,768	1,918	8.4								
KS	1,734	1,862	7.4								

Source: U.S. Travel Data Center, Washington, DC, *Impact of Travel on State Economies, 1984* and *1985*. (Copyright.)

Digitized by Google

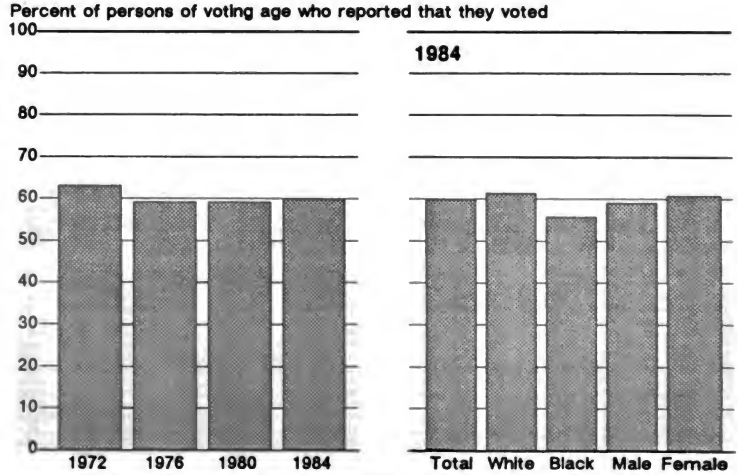
Figure 8.1
Popular Vote Cast for President, by Major Party: 1956 to 1984



[1] 1968 and 1972–American Independent; 1980–John Anderson

Source: Chart prepared by U.S. Bureau of the Census. For data see table 397.

Figure 8.2
Voter Participation in Presidential Elections: 1972 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data see table 418.

Digitized by Google



Section 8

Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, State legislatures, Black, Hispanic, and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Washington, DC. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections at various intervals for different offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

Presidential election.—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State.

Congressional election.—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

Voter eligibility and participation.—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional elec-

Digitized by Google

tion years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1964, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 397. Vote Cast for President, by Political Parties: 1920 to 1984

[Prior to 1960, excludes Alaska and Hawaii; prior to 1964, excludes DC. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		VOTE CAST FOR PRESIDENT						
				Democratic			Republican		
	Democratic	Republican	Total popular vote [1] (1,000)	Popular vote		Electoral vote	Popular vote		Electoral vote
				Number (1,000)	Percent		Number (1,000)	Percent	
1920	Cox	Harding	26,768	9,133	34.1	127	16,153	60.3	404
1924	Davis	Coolidge	29,095	8,387	28.8	136	15,720	54.0	382
1928	Smith	Hoover	36,806	15,008	40.8	87	21,437	58.2	444
1932	F. D. Roosevelt	Hoover	39,758	22,829	57.4	472	15,760	39.8	59
1936	F. D. Roosevelt	Landon	45,654	27,757	60.8	523	16,684	36.5	8
1940	F. D. Roosevelt	Willkie	49,900	27,313	54.7	449	22,348	44.8	82
1944	F. D. Roosevelt	Dewey	47,977	25,613	53.4	432	22,018	45.9	99
1948	Truman	Dewey	48,794	24,179	49.8	303	21,991	45.1	189
1952	Stevenson	Eisenhower	61,551	27,315	44.4	89	33,936	55.1	442
1956	Stevenson	Eisenhower	62,027	26,023	42.0	73	35,590	57.4	457
1960	Kennedy	Nixon	68,838	34,227	49.7	303	34,108	49.5	219
1964	Johnson	Goldwater	70,645	43,130	61.1	486	27,178	38.5	52
1968	Humphrey	Nixon	73,212	31,275	42.7	191	31,785	43.4	301
1972	McGovern	Nixon	77,719	29,170	37.5	17	47,170	60.7	520
1976	Carter	Ford	81,556	40,831	50.1	297	39,148	48.0	240
1980	Carter	Reagan	86,515	35,484	41.0	49	43,904	50.7	489
1984	Mondale	Reagan	92,653	37,577	40.6	13	54,455	58.8	525

YEAR	VOTE CAST FOR PRESIDENT—Con.	YEAR	VOTE CAST FOR PRESIDENT—Con.
	LEADING OTHER CANDIDATES		LEADING OTHER CANDIDATES—Con.
1920	Eugene Debs, Socialist, 915,490. P. P. Christensen, Farmer-Labor, 265,229.	1952	Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.
1924	Robert LaFollette, Progressive, 4,832,532. Herman P. Faris, Prohibition, 56,292.	1956	T. Coleman Andrews, States' Rights, 111,178. Eric Hass, Socialist Labor, 44,450.
1928	Norman Thomas, Socialist, 265,583. Verne L. Reynolds, Socialist Labor, 21,586.	1960	Eric Hass, Socialist Labor, 47,522. Rutherford Decker, Prohibition, 46,203.
1932	Norman Thomas, Socialist, 884,649. William Z. Foster, Communist, 103,253.	1964	Eric Hass, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1936	William Lemke, Union, 892,267. Norman Thomas, Socialist, 187,833.	1968	George Wallace, American Independent, 9,906,473. Henning Blomen, Socialist Labor, 52,588.
1940	Norman Thomas, Socialist, 116,410. Roger Babson, Prohibition, 58,708.	1972	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1944	Norman Thomas, Socialist, 79,003. Claude Watson, Prohibition, 74,799.	1976	Eugene McCarthy, Independent, 756,691. Roger MacBride, Libertarian, 173,011.
1948	Strom Thurmond, States' Rights, 1,176,125. Henry Wallace, Progressive, 1,157,326.	1980	John Anderson, Independent, 5,720,060. Ed Clark, Libertarian, 921,299.
		1984	David Bergland, Libertarian, 228,314 Lyndon H. LaRouche, Independent, 78,807

[1] Includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.

Source: Elections Research Center, Washington, DC, *America at the Polls*, 1965, and *America Votes*, biennial, (copyright).

Digitized by Google

NO. 398. ELECTORAL VOTE CAST FOR PRESIDENT, BY MAJOR POLITICAL PARTY—STATES: 1944 TO 1984

[D = Democratic, R = Republican. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 84–134]

REGION, DIVISION, AND STATE	1944	1948 [1]	1952	1956 [2]	1960 [3]	1964	1968 [4]	1972 [5]	1976 [6]	1980	1984
Democratic	**432**	**303**	**89**	**73**	**303**	**486**	**191**	**17**	**297**	**49**	**13**
Republican	**99**	**189**	**442**	**457**	**219**	**52**	**301**	**520**	**240**	**489**	**525**
Northeast: Democratic	130	20	–	–	121	126	102	14	86	4	–
Republican	8	118	133	133	12	–	24	108	36	116	113
Midwest: Democratic	73	101	–	13	71	149	31	–	58	10	10
Republican	82	54	153	140	82	–	118	145	87	135	127
South: Democratic	167	117	89	80	101	121	45	3	149	31	3
Republican	–	11	77	105	50	47	77	165	20	138	174
West: Democratic	62	65	–	–	10	90	13	–	4	4	–
Republican	9	6	79	79	75	5	82	102	97	98	111
New England: ME	R-5	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4	R-4
NH	D-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
VT	R-3	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3
MA	D-16	D-16	R-16	R-16	D-16	D-14	D-14	D-14	D-14	R-14	R-13
RI	D-4	D-4	R-4	R-4	D-4	D-4	D-4	R-4	D-4	D-4	R-4
CT	D-8	R-8	R-8	R-8	D-8	D-8	D-8	R-8	R-8	R-8	R-8
Middle Atlantic: NY	D-47	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-36
NJ	D-16	R-16	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17	R-16
PA	D-35	R-35	R-32	R-32	D-32	D-29	D-29	R-27	D-27	R-27	R-25
East North Central: OH	R-25	D-25	R-25	R-25	R-25	D-26	R-26	R-25	D-25	R-25	R-23
IN	R-13	R-13	R-13	R-13	R-13	D-13	R-13	R-13	R-13	R-13	R-12
IL	D-28	D-28	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24
MI	D-19	R-19	R-20	R-20	D-20	D-21	D-21	R-21	R-21	R-21	R-20
WI	R-12	D-12	R-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11	R-11
West North Central: MN	D-11	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	D-10	D-10
IA	R-10	D-10	R-10	R-10	R-10	D-9	R-9	R-8	R-8	R-8	R-8
MO	D-15	D-15	R-13	D-13	D-13	D-12	R-12	R-12	D-12	R-12	R-11
ND	R-4	R-4	R-4	R-4	R-4	D-4	R-4	R-3	R-3	R-3	R-3
SD	R-4	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-3
NE	R-6	R-6	R-6	R-6	R-6	D-5	R-5	R-5	R-5	R-5	R-5
KS	R-8	R-8	R-8	R-8	R-8	D-7	R-7	R-7	R-7	R-7	R-7
South Atlantic: DE	D-3	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3	R-3
MD	D-8	R-8	R-9	R-9	D-9	D-10	D-10	R-10	D-10	D-10	R-10
DC	(x)	(x)	(x)	(x)	(x)	D-3	D-3	D-3	D-3	D-3	D-3
VA	D-11	D-11	R-12	R-12	R-12	D-12	R-12	[5] R-11	R-12	R-12	R-12
WV	D-8	D-8	D-8	R-8	D-8	D-7	D-7	R-6	D-6	D-6	R-6
NC	D-14	D-14	D-14	D-14	D-14	D-13	[4] R-12	R-13	D-13	R-13	R-13
SC	D-8	(1)	D-8	D-8	D-8	R-8	R-8	R-8	D-8	R-8	R-8
GA	D-12	D-12	D-12	D-12	D-12	R-12	(4)	R-12	D-12	D-12	R-12
FL	D-8	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21
East South Central: KY	D-11	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9	R-9
TN	D-12	[1] D-11	R-11	R-11	R-11	D-11	R-11	R-10	D-10	R-10	R-11
AL	D-11	(1)	D-11	[2] D-10	[3] D-5	R-10	(4)	R-9	D-9	R-9	R-9
MS	D-9	(1)	D-8	D-8	(3)	R-7	(4)	R-7	D-7	R-7	R-7
West South Central: AR	D-9	D-9	D-8	D-8	D-8	D-6	(4)	R-6	D-6	R-6	R-6
LA	D-10	(1)	D-10	R-10	D-10	R-10	(4)	R-10	D-10	R-10	R-10
OK	D-10	D-10	R-8	R-8	[3] R-7	D-8	R-8	R-8	R-8	R-8	R-8
TX	D-23	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26	R-29
Mountain: MT	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
ID	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4
WY	R-3	D-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3
CO	R-6	D-6	R-6	R-6	R-6	D-6	R-6	R-7	R-7	R-7	R-8
NM	D-4	D-4	R-4	R-4	D-4	D-4	R-4	R-4	R-4	R-4	R-5
AZ	D-4	D-4	R-4	R-4	R-4	R-5	R-5	R-6	R-6	R-6	R-7
UT	D-4	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5
NV	D-3	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-4
Pacific: WA	D-8	D-8	R-9	R-9	R-9	D-9	D-9	R-9	[6] R-8	R-9	R-10
OR	D-6	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-7
CA	D-25	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45	R-47
AK	(x)	(x)	(x)	(x)	R-3	D-3	R-3	R-3	R-3	R-3	R-3
HI	(x)	(x)	(x)	(x)	D-3	D-4	D-4	R-4	D-4	D-4	R-4

– Represents zero. X Not applicable. [1] Excludes 39 electoral votes cast for States' Rights Democratic candidates as follows: AL 11; LA 10; MS 9; SC 8; and TN 1. [2] Excludes 1 electoral vote cast for Walter B. Jones in Alabama. [3] Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6; MS 8; and OK 1.
[4] Excludes 46 electoral votes cast for George C. Wallace as follows: AL 10; AR 6; GA 12; LA 10; MS 7; NC 1. [5] Excludes 1 electoral vote cast for John Hospers in Virginia. [6] Excludes 1 electoral vote cast for Ronald Reagan in Washington.

Source: 1944–1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; thereafter, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Digitized by Google

No. 399. Popular Vote Cast for President, by Political Party—States: 1976 to 1984

[In thousands, except percent. D = Democratic, R = Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 135–186]

Region, division, and state	1976				1980				1984			
	Total [1]	Democratic Party	Republican Party	Percent for leading party	Total [1]	Democratic Party	Republican Party	Percent for leading party	Total [1]	Democratic Party	Republican Party	Percent for leading party
U.S	**81,556**	**40,831**	**39,148**	**D–50.1**	**86,515**	**35,484**	**43,904**	**R–50.7**	**92,653**	**37,577**	**54,455**	**R–58.8**
Region:												
Northeast	19,520	9,929	9,272	D–50.9	19,206	8,019	9,147	R–47.6	20,483	9,046	11,336	R–55.3
Midwest	24,155	11,671	11,995	R–49.7	25,178	10,291	12,827	R–50.9	25,441	10,511	14,761	R–58.0
South	23,198	12,520	10,394	D–54.0	25,813	11,554	13,118	R–50.8	26,833	10,998	17,699	R–61.4
West	14,682	6,711	7,486	R–51.0	16,318	5,620	8,813	R–54.0	17,895	7,022	10,659	R–59.6
N. Eng	**5,351**	**2,766**	**2,454**	**D–51.7**	**5,467**	**2,206**	**2,446**	**R–44.7**	**5,614**	**2,437**	**3,153**	**R–56.2**
ME	483	232	236	R–48.9	523	221	239	R–45.8	553	215	337	R–60.8
NH	340	148	186	R–54.7	384	109	222	R–57.7	389	120	267	R–68.6
VT	188	81	102	R–54.4	213	82	95	R–44.4	235	96	136	R–57.9
MA	2,548	1,429	1,030	D–56.1	2,524	1,054	1,058	R–41.9	2,559	1,240	1,311	R–51.2
RI	411	228	181	D–55.4	416	198	155	D–47.7	410	197	212	R–51.7
CT	1,382	648	719	R–52.1	1,406	542	677	R–48.2	1,467	570	891	R–60.7
Mid. Atl	**14,169**	**7,164**	**6,817**	**D–50.6**	**13,739**	**5,813**	**6,703**	**R–48.8**	**14,870**	**6,809**	**8,183**	**R–55.0**
NY	6,534	3,390	3,101	D–51.9	6,202	2,728	2,694	R–46.7	6,807	3,120	3,665	R–53.8
NJ	3,014	1,445	1,510	R–50.1	2,976	1,147	1,547	R–52.0	3,218	1,261	1,934	R–60.1
PA	4,621	2,329	2,206	D–50.4	4,562	1,938	2,262	R–49.6	4,845	2,228	2,584	R–53.3
E. No. Cent	**16,809**	**8,035**	**8,448**	**R–50.3**	**17,458**	**7,221**	**8,825**	**R–50.5**	**17,613**	**7,279**	**10,213**	**R–58.0**
OH	4,112	2,012	2,001	D–48.9	4,284	1,752	2,207	R–51.5	4,548	1,825	2,679	R–58.9
IN	2,220	1,015	1,184	R–53.3	2,242	844	1,256	R–56.0	2,233	841	1,377	R–61.7
IL	4,719	2,271	2,364	R–50.1	4,750	1,981	2,358	R–49.6	4,819	2,086	2,707	R–56.2
MI	3,654	1,697	1,894	R–51.8	3,910	1,662	1,915	R–49.0	3,802	1,530	2,252	R–59.2
WI	2,104	1,040	1,005	D–49.4	2,273	982	1,089	R–47.9	2,212	996	1,199	R–54.2
W. No. Cent	**7,346**	**3,635**	**3,547**	**D–49.5**	**7,719**	**3,070**	**4,002**	**R–51.8**	**7,826**	**3,232**	**4,546**	**R–58.1**
MN	1,950	1,070	819	D–54.9	2,052	954	873	D–46.5	2,084	1,036	1,033	D–49.7
IA	1,279	620	633	R–49.5	1,318	509	676	R–51.3	1,320	606	703	R–53.3
MO	1,954	998	927	D–51.1	2,100	931	1,074	R–51.2	2,123	849	1,274	R–60.0
ND	297	136	153	R–51.6	302	79	194	R–64.2	309	104	200	R–64.8
SD	301	147	152	R–50.4	326	104	198	R–60.5	318	116	200	R–63.0
NE	608	234	360	R–59.2	641	167	420	R–65.5	652	186	460	R–70.6
KS	958	430	503	R–52.5	980	326	567	R–57.9	1,022	333	677	R–66.3
So. Atl	**11,392**	**6,264**	**5,005**	**D–55.0**	**12,589**	**5,698**	**6,198**	**R–49.2**	**14,124**	**5,519**	**8,585**	**R–60.8**
DE	236	123	110	D–52.0	236	106	111	R–47.2	255	102	152	R–59.8
MD	1,440	760	673	D–52.8	1,540	726	681	D–47.1	1,676	788	880	R–52.5
DC	169	138	28	D–81.6	175	131	24	D–74.8	211	180	29	D–85.4
VA	1,697	614	837	R–49.3	1,866	752	990	R–53.0	2,147	796	1,337	R–62.3
WV	751	436	315	D–58.0	738	367	334	D–49.8	736	328	405	R–55.1
NC	1,679	927	742	D–55.2	1,856	876	915	R–49.3	2,175	824	1,346	R–61.9
SC	803	451	346	D–56.2	894	430	442	R–49.4	969	344	616	R–63.6
GA	1,467	979	484	D–66.7	1,597	891	654	D–55.8	1,776	707	1,069	R–60.2
FL	3,151	1,636	1,470	D–51.9	3,687	1,419	2,047	R–55.5	4,180	1,449	2,730	R–65.3
E. So. Cent	**4,596**	**2,482**	**2,037**	**D–54.0**	**5,147**	**2,465**	**2,518**	**R–48.9**	**5,464**	**2,155**	**3,267**	**R–59.8**
KY	1,167	616	532	D–52.8	1,295	616	635	R–49.1	1,369	540	822	R–60.0
TN	1,478	826	634	D–55.9	1,618	783	788	R–48.7	1,712	712	990	R–57.8
AL	1,183	659	504	D–55.7	1,342	637	654	R–48.8	1,442	552	873	R–60.5
MS	769	381	367	D–49.6	893	429	441	R–49.4	941	352	582	R–61.9
W. So. Cent	**7,210**	**3,774**	**3,354**	**D–52.4**	**8,078**	**3,389**	**4,403**	**R–54.5**	**9,244**	**3,325**	**5,867**	**R–63.5**
AR	768	499	268	D–65.0	838	398	403	R–48.1	884	339	535	R–60.5
LA	1,278	661	587	D–51.7	1,549	708	793	R–51.2	1,707	652	1,037	R–60.8
OK	1,090	532	546	R–50.0	1,150	402	696	R–60.5	1,256	385	862	R–68.6
TX	4,072	2,082	1,953	D–51.1	4,542	1,881	2,511	R–55.3	5,396	1,949	3,433	R–63.6
Mt	**3,815**	**1,569**	**2,124**	**R–55.7**	**4,346**	**1,251**	**2,637**	**R–60.7**	**4,736**	**1,546**	**3,131**	**R–66.1**
MT	329	149	174	R–52.8	364	118	207	R–56.8	384	147	232	R–60.5
ID	344	127	204	R–59.3	437	110	291	R–66.5	411	109	296	R–72.4
WY	156	62	93	R–59.3	177	49	111	R–62.6	189	53	133	R–70.5
CO	1,082	460	584	R–54.0	1,194	366	652	R–55.1	1,295	455	822	R–63.4
NM	418	201	211	R–50.5	457	166	251	R–54.9	514	202	307	R–59.7
AZ	743	296	419	R–56.4	874	247	530	R–60.6	1,026	334	681	R–66.4
UT	541	182	338	R–62.4	604	124	440	R–72.8	630	155	469	R–74.5
NV	202	92	101	R–50.2	248	67	155	R–62.5	287	92	189	R–65.8
Pac	**10,867**	**5,140**	**5,364**	**R–49.4**	**11,973**	**4,369**	**6,177**	**R–51.6**	**13,159**	**5,476**	**7,528**	**R–57.2**
WA	1,556	717	778	R–50.0	1,742	650	865	R–49.7	1,884	807	1,052	R–55.8
OR	1,030	490	492	R–47.8	1,182	457	571	R–48.3	1,227	536	686	R–55.9
CA	7,867	3,742	3,882	R–49.3	8,587	3,084	4,525	R–52.7	9,505	3,923	5,467	R–57.5
AK	124	44	72	R–57.9	158	42	86	R–54.3	208	62	138	R–66.7
HI	291	147	140	D–50.6	303	136	130	D–44.8	336	147	185	R–55.1

[1] Includes other parties.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Digitized by Google

No. 400. Vote Cast for United States Senators, by Major Political Party—States: 1982 to 1986

[In thousands, except percent. Except as noted, excludes elections to fill vacancies for unexpired term]

Division and State	1982				1984				1986			
	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party
N. Eng.:												
ME	460	280	180	60.9	551	143	404	73.3	(x)	(x)	(x)	(x)
NH	(x)	(x)	(x)	(x)	384	157	226	58.7	245	79	154	62.9
VT	164	79	84	50.3	(x)	(x)	(x)	(x)	197	124	68	63.2
MA	2,051	1,247	785	60.8	2,530	1,393	1,137	55.1	(x)	(x)	(x)	(x)
RI	343	167	175	51.2	395	287	108	72.6	(x)	(x)	(x)	(x)
CT	1,084	499	546	50.4	(x)	(x)	(x)	(x)	977	633	340	64.8
Mid. Atl.:												
NY	4,968	3,232	1,697	65.1	(x)	(x)	(x)	(x)	4,179	1,723	2,378	56.9
NJ	2,194	1,118	1,048	50.9	3,096	1,987	1,080	64.2	(x)	(x)	(x)	(x)
PA	3,604	1,413	2,136	59.3	(x)	(x)	(x)	(x)	3,378	1,448	1,907	56.4
E. No. Cent.:												
OH	3,395	1,924	1,397	56.7	(x)	(x)	(x)	(x)	3,121	1,949	1,172	62.5
IN	1,817	828	978	53.8	(x)	(x)	(x)	(x)	1,546	595	936	60.6
IL	(x)	(x)	(x)	(x)	4,787	2,397	2,308	50.1	3,123	2,034	1,054	65.1
MI	2,964	1,725	1,223	57.7	3,701	1,916	1,745	51.8	(x)	(x)	(x)	(x)
WI	1,545	983	527	63.6	(x)	(x)	(x)	(x)	1,483	703	755	50.9
W. No. Cent.:												
MN	1,805	840	949	52.6	2,066	853	1,200	58.1	(x)	(x)	(x)	(x)
IA	(x)	(x)	(x)	(x)	1,293	717	564	55.5	892	299	589	66.0
MO	1,544	759	785	50.8	(x)	(x)	(x)	(x)	1,477	700	778	52.6
ND	262	165	89	62.8	(x)	(x)	(x)	(x)	289	144	142	49.8
SD	(x)	(x)	(x)	(x)	316	81	235	74.5	296	153	143	51.6
NE	546	363	156	66.6	640	332	307	51.9	(x)	(x)	(x)	(x)
KS	(x)	(x)	(x)	(x)	997	212	757	76.0	824	247	577	70.0
So. Atl.:												
DE	191	84	105	55.2	246	148	98	60.1	(x)	(x)	(x)	(x)
MD	1,115	707	407	63.5	(x)	(x)	(x)	(x)	1,113	675	437	60.7
VA	1,416	691	725	51.2	2,007	601	1,406	70.0	(x)	(x)	(x)	(x)
WV	565	387	174	68.5	722	374	345	51.8	(x)	(x)	(x)	(x)
NC	(x)	(x)	(x)	(x)	2,239	1,070	1,157	51.7	1,591	824	768	51.8
SC	(x)	(x)	(x)	(x)	965	307	645	66.8	738	466	263	63.1
GA	(x)	(x)	(x)	(x)	1,681	1,344	337	79.9	1,225	624	601	50.9
FL	2,653	1,638	1,015	61.7	(x)	(x)	(x)	(x)	3,430	1,878	1,552	54.7
E. So. Cent.:												
KY	(x)	(x)	(x)	(x)	1,292	640	645	49.9	677	504	173	74.4
TN	1,260	780	480	61.9	1,648	1,001	557	60.7	(x)	(x)	(x)	(x)
AL	(x)	(x)	(x)	(x)	1,371	861	499	62.8	1,212	609	603	50.3
MS	645	414	231	64.2	952	372	580	60.9	(x)	(x)	(x)	(x)
W. So. Cent.:												
AR	(x)	(x)	(x)	(x)	876	502	374	57.3	695	433	262	62.3
LA	(x)	(x)	(x)	(x)	(2)	(2)	(2)	(2)	1,370	724	646	52.8
OK	(x)	(x)	(x)	(x)	1,196	906	281	75.6	894	400	493	55.2
TX	3,103	1,818	1,257	58.6	5,319	2,203	3,116	58.6	(x)	(x)	(x)	(x)
Mt.:												
MT	321	175	134	54.5	379	216	154	56.9	(x)	(x)	(x)	(x)
ID	(x)	(x)	(x)	(x)	406	106	293	72.2	382	185	197	51.6
WY	167	72	95	56.7	187	41	146	78.3	(x)	(x)	(x)	(x)
CO	(x)	(x)	(x)	(x)	1,296	449	834	64.2	1,061	529	513	49.9
NM	405	218	187	53.8	503	141	361	71.9	(x)	(x)	(x)	(x)
AZ	724	412	292	56.9	(x)	(x)	(x)	(x)	863	341	522	60.5
UT	531	219	309	58.3	(x)	(x)	(x)	(x)	435	116	315	72.3
NV	240	115	120	50.1	(x)	(x)	(x)	(x)	262	131	117	50.0
Pac.:												
WA	1,368	944	332	69.0	[3]1,213	[3]541	[3]672	[3]55.4	1,337	677	651	50.7
OR	(x)	(x)	(x)	(x)	1,215	406	808	66.5	1,043	376	656	63.0
CA	7,806	3,495	4,023	51.5	(x)	(x)	(x)	(x)	7,399	3,647	3,542	49.3
AK	(x)	(x)	(x)	(x)	206	59	147	71.2	181	80	98	54.0
HI	306	245	52	80.1	(x)	(x)	(x)	(x)	329	242	87	73.6

X Not applicable. [1] Includes vote cast for minor parties. [2] Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. [3] 1983 election to fill vacancy caused by death of Senator Jackson.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Digitized by Google

No. 401. Vote Cast for United States Representatives, by Major Political Parties—States: 1982 to 1986

[In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District or votes cast for Representative at Large in States where only one member is elected. In all years there are numerous districts within the State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic vote includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970*, series Y 211–214]

Region, division, and State	1982				1984				1986			
	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party	Total [1]	Democratic	Republican	Percent for leading party
U.S. [2]	64,514	35,696	27,799	D–55.3	83,231	43,539	38,956	D–52.3	59,619	32,540	26,532	D–54.6
Region:												
Northeast	14,636	8,124	6,240	D–55.5	19,179	10,116	8,916	D–52.8	12,405	6,820	5,363	D–55.0
Midwest	19,088	10,369	8,550	D–54.3	24,171	12,230	11,813	D–50.8	16,981	8,954	7,966	D–52.7
South [3]	16,826	10,225	6,377	D–60.8	22,904	13,226	9,526	D–57.7	16,451	9,819	6,519	D–59.7
West	13,961	6,975	6,631	D–50.0	16,978	7,964	8,703	R–51.3	13,786	6,949	6,680	D–50.4
N. Eng	4,166	2,393	1,733	D–57.2	5,379	2,822	2,485	D–53.2	3,644	2,120	1,433	D–58.3
ME	452	187	261	R–57.7	542	162	375	R–69.2	422	165	249	R–59.1
NH	269	114	154	R–57.3	373	119	251	R–67.2	241	84	156	R–64.9
VT	165	38	114	R–69.2	226	60	148	R–65.4	189	–	168	R–89.1
MA	1,890	1,300	561	D–68.8	2,346	1,618	704	D–69.0	1,503	1,198	250	D–79.7
RI	333	174	158	D–52.2	390	[4] 195	[4] 195	R–50.0	306	130	178	R–57.6
CT	1,071	577	485	D–53.9	1,432	668	762	R–53.2	980	545	434	D–55.6
Mid. Atl	10,486	5,734	4,507	D–54.8	13,870	7,294	6,481	D–52.6	8,784	4,699	3,930	D–53.5
NY [5]	4,681	2,817	1,940	D–55.9	6,218	3,255	2,898	D–52.4	3,904	2,132	1,665	D–54.6
NJ	2,146	1,206	915	D–56.2	2,992	1,508	1,471	D–50.4	1,554	803	739	D–51.7
PA	3,629	1,911	1,652	D–52.7	4,660	2,531	2,112	D–54.3	3,306	1,763	1,526	D–53.3
E. No. Cent	12,994	7,221	5,635	D–55.6	16,618	8,417	8,110	D–50.7	11,350	5,999	5,331	D–52.6
OH	3,326	1,807	1,457	D–54.3	4,332	2,134	2,159	R–49.8	3,067	1,512	1,536	R–50.1
IN	1,796	882	910	R–50.7	2,180	1,022	1,147	R–52.6	1,556	788	756	D–50.7
IL	3,611	2,093	1,508	D–57.9	4,579	2,367	2,204	D–51.7	3,017	1,623	1,393	D–53.8
MI	2,808	1,670	1,093	D–59.4	3,452	1,861	1,567	D–53.9	2,327	1,342	977	D–57.7
WI	1,451	769	667	D–53.0	2,075	[6] 1,033	[6] 1,033	D–49.8	1,383	704	669	D–50.9
W. No. Cent	6,094	3,148	2,915	D–51.7	7,553	3,813	3,703	D–50.5	5,631	2,985	2,637	D–53.0
MN	1,750	956	778	D–54.6	1,975	1,061	902	D–53.7	1,393	832	556	D–59.7
IA	1,005	529	475	D–52.6	1,269	595	673	R–53.1	890	426	461	R–51.9
MO	1,528	872	653	D–57.0	2,040	1,130	903	D–55.4	1,430	828	600	D–57.9
ND	260	117	72	D–71.5	306	243	66	D–79.7	286	218	67	D–76.5
SD	276	142	134	D–51.6	318	181	135	D–57.4	290	171	118	D–59.2
NE	519	118	402	R–77.5	850	168	682	R–74.2	555	197	358	R–64.5
KS	756	346	401	R–53.0	994	435	542	R–54.5	787	313	475	R–60.3
So. Atl. [3]	8,367	4,950	3,345	D–59.2	11,488	6,414	5,003	D–55.8	8,284	4,991	3,249	D–60.2
DE	188	99	87	D–52.4	243	142	101	D–58.5	161	106	54	D–66.2
MD	1,091	743	349	D–68.1	1,495	955	536	D–63.9	1,063	669	394	D–62.9
DC	113	93	17	D–83.1	162	155	–	D–95.6	127	102	18	D–80.1
VA	1,335	630	690	R–51.7	1,838	795	1,003	R–54.6	1,043	545	467	D–52.2
WV	546	343	202	D–62.8	704	429	275	D–60.9	396	299	97	D–75.5
NC	1,321	708	580	D–53.6	2,158	1,131	1,026	D–52.4	1,573	890	682	D–56.6
SC	657	353	295	D–53.7	928	471	441	D–50.7	717	453	261	D–63.2
GA	904	670	225	D–74.1	1,521	1,091	430	D–71.7	1,062	773	289	D–72.6
FL [6]	2,212	1,311	900	D–59.3	2,437	1,245	1,191	D–51.1	2,142	1,154	987	D–53.9
E. So. Cent	3,478	2,158	1,283	D–62.0	4,522	2,728	1,753	D–60.3	3,375	2,006	1,346	D–59.4
KY	700	413	280	D–59.0	1,188	657	529	D–55.3	930	375	253	D–59.5
TN	1,176	696	470	D–59.4	1,316	726	589	D–55.2	1,105	636	449	D–57.6
AL	961	677	273	D–70.4	1,149	822	308	D–71.5	1,118	679	436	D–60.8
MS	641	368	260	D–57.5	869	523	327	D–60.2	524	316	208	D–60.3
W. So. Cent	4,981	3,119	1,749	D–62.6	6,996	4,084	2,770	D–58.2	4,792	2,822	1,924	D–58.9
AR [6] [8]	759	397	362	D–52.4	463	341	91	D–73.7	666	387	268	D–58.1
LA [9]	517	339	142	D–65.0	642	402	239	D–62.7	391	268	102	D–73.8
OK [6] [10]	856	539	310	D–63.0	1,111	646	458	D–58.1	725	436	291	D–59.4
TX	2,849	1,847	935	D–64.8	4,680	2,695	1,982	D–57.8	3,010	1,717	1,263	D–57.0
Mt	3,573	1,573	1,925	R–53.9	4,527	1,672	2,776	R–61.3	3,748	1,591	2,142	R–57.2
MT	317	166	142	D–52.4	371	187	179	D–50.5	318	172	146	D–54.1
ID	321	151	170	R–53.0	405	165	240	R–59.3	376	163	208	R–55.4
WY	159	46	113	R–71.1	186	46	138	R–73.6	160	49	111	R–69.5
CO	946	448	485	R–51.2	1,246	438	780	R–62.5	1,018	450	566	R–55.6
NM	395	203	192	D–51.4	500	201	294	R–58.9	386	179	207	R–53.8
AZ	711	300	395	R–55.5	943	320	603	R–63.9	804	260	540	R–67.2
UT	490	145	312	R–63.7	601	208	387	R–64.5	429	197	230	R–53.6
NV	234	114	118	R–49.5	271	109	155	R–57.3	257	121	134	R–52.0
Pac	10,388	5,402	4,706	D–52.0	12,451	6,292	5,927	D–50.5	10,038	5,358	4,538	D–53.4
WA	1,307	690	604	D–52.8	1,806	997	800	D–55.1	1,295	768	527	D–59.3
OR	1,015	578	437	D–56.9	1,203	655	548	D–54.4	1,032	585	446	D–56.7
CA	7,587	3,815	3,537	D–50.3	8,958	4,327	4,424	R–49.4	7,200	3,744	3,328	D–52.0
AK	181	52	128	R–70.8	206	86	114	R–55.0	180	74	102	R–56.5
HI	298	267	–	D–89.6	278	227	41	D–82.5	331	187	135	D–56.4

– Represents zero. [1] Includes vote cast for minor parties. [2] Includes vote cast for non-voting Delegate at Large in District of Columbia. [3] Total vote for Republican candidates was 195,077; for Democratic candidates, 194,942. [4] Includes votes cast by other endorsing parties for Democratic and Republican candidates. [5] Total vote for Democratic candidates was 1,033,033; for Republican candidates, 1,032,948. [6] State law does not require tabulation of votes for unopposed candidates. [7] In 1982 Districts 8, 10 and 17 were unopposed; in 1984 Districts 1, 2, 3, 5, 12, 13 and 17 were unopposed; in 1986 Districts 3, 4, 5, 7, 8, 15 and 17 were unopposed. [8] 1984, no data for District 3. [9] 1982 and 1984 data are for September open primary because there were no general election runoffs. 1986 data are for general election runoffs in two districts. 1986 open primary totals—total, 755,680; Democratic, 599,291; Republican, 148,007. [10] In 1986 District 6 was unopposed.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

Digitized by Google

No. 402. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1986

[In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
AL	1,116	(x)	(x)	(x)	(x)
1st	97	(1)	(1)	Callahan	99.9
2d	173	Stone	33.3	Dickinson	66.7
3d	143	Nichols	60.6	Guerin	19.4
4th	171	Bevill	77.5	Deshazo	22.5
5th	159	Flippo	78.9	McCarley	21.1
6th	192	Erdreich	72.7	Williams	27.0
7th	181	Harris	59.8	McFarland	40.2
AK	180	Begich	41.1	Young	56.5
AZ	804	(x)	(x)	(x)	(x)
1st	179	Braun	26.7	Rhodes	71.3
2d	105	Udall	73.3	Clark	23.3
3d	146	(1)	(1)	Stump	100.0
4th	189	Davis	35.4	Kyl	64.6
5th	164	Ireland	35.1	Kolbe	64.9
AR	666	(x)	(x)	(x)	(x)
1st	165	Alexander	64.2	Albin	35.8
2d	170	Robinson	75.7	Hamaker	24.2
3d	162	Sargent	20.2	Hammerschmidt	79.8
4th	149	Anthony	77.4	Keels	15.4
CA	7,200	(x)	(x)	(x)	(x)
1st	205	Bosco	67.5	Sampson	26.6
2d	188	Swendiman	39.6	Herger	58.3
3d	209	Matsui	75.9	Landowski	24.1
4th	183	Fazio	70.2	Hite	29.8
5th	163	Burton	75.2	Garza	22.1
6th	194	Boxer	73.9	Ernst	26.1
7th	187	Miller	66.6	Thakar	33.4
8th	203	Dellums	60.0	Eigenberg	37.9
9th	163	Stark	69.7	Williams	30.3
10th	120	Edwards	70.5	LaCrone	26.6
11th	152	Lantos	74.1	Quraishi	25.9
12th	187	Weil	37.2	Konnyu	59.5
13th	154	Mineta	69.7	Nash	30.3
14th	205	Steele	26.1	Shumway	71.6
15th	132	Coelho	71.0	Harner	27.2
16th	163	Panetta	78.4	Damgo	19.2
17th	147	Hartnett	39.8	Pashayan	60.2
18th	142	Lehman	71.3	Crevelt	28.7
19th	171	Norris	26.6	Lagomarsino	71.9
20th	179	Moquin	27.4	Thomas	72.6
21st	193	Saldana	28.2	Gallegly	68.4
22d	191	Simmons	23.0	Moorhead	73.8
23d	185	Beilenson	65.7	Woolverton	31.8
24th	118	Waxman	87.9	(1)	(1)
25th	82	Roybal	76.1	Hardy	21.3
26th	151	Berman	66.5	Herrera	34.9
27th	173	Levine	63.7	Scribner	34.3
28th	121	Dixon	76.3	Adams	21.3
29th	92	Hawkins	64.5	Van de Brooke	14.5
30th	95	Martinez	62.5	Almquist	35.5
31st	110	Dymally	70.2	McMurray	27.6
32d	133	Anderson	68.5	Robertson	29.4
33d	165	Hempel	26.8	Dreier	71.7
34th	110	Torres	60.3	House	39.7
35th	166	Hall	23.1	Lewis	76.9
36th	137	Brown	57.1	Henley	42.9
37th	192	Skinner	36.3	McCandless	63.7
38th	119	Robinson	42.4	Doman	55.3
39th	177	Vest	24.0	Dannemeyer	74.5
40th	201	Sumner	37.7	Badham	59.8
41st	197	Kripke	30.4	Lowery	67.8
42d	193	Blackburn	24.7	Lungren	72.8
43d	188	Chirra	24.0	Packard	73.1
44th	110	Bates	64.2	Mitchell	33.1
45th	155	Ryan	21.2	Hunter	76.9
CO	1,018	(x)	(x)	(x)	(x)
1st	155	Schroeder	66.4	Wood	31.6
2d	177	Skaggs	51.5	Norton	48.5
3d	184	Campbell	51.9	Strang	48.1
4th	168	Sprague	30.2	Brown	69.8
5th	174	Story	30.2	Hefley	69.8
6th	161	Norris	33.5	Schaefer	65.0
CT	980	(x)	(x)	(x)	(x)
1st	174	Kennelly	74.2	Klein	25.4
2d	162	Gejdenson	67.4	Mullen	32.6
3d	164	Morrison	69.6	Diette	30.4
4th	144	Niedermeier	46.5	McKinney	53.5
5th	162	Cohen	39.1	Rowland	60.9
6th	173	Amenta	35.8	Johnson	64.2
DE	181	Carper	66.2	Neuberger	33.4
DC	127	Fauntroy	80.1	King	13.9
FL	2,142	(x)	(x)	(x)	(x)
1st	153	Hutto	63.8	Neubeck	36.2
2d	111	Grant	99.4	(1)	(1)
3d	(2)	Bennett	(x)	(1)	(1)
4th	(2)	Chappell	(x)	(1)	(1)
5th	(2)	(1)	(1)	McCollum	(x)
6th	205	MacKay	70.2	Gallagher	29.8
7th	(2)	Gibbons	(x)	(1)	(1)
8th	(2)	(1)	(1)	Young	(x)
9th	235	Cazares	29.2	Billrakis	70.8
10th	172	Higginbottom	28.8	Ireland	71.2
11th	205	Nelson	72.7	Ellis	27.3
12th	151	(1)	(1)	Lewis	99.4
13th	251	Gilbert	25.0	Mack	75.0
14th	233	Mica	73.8	Martin	26.2
15th	(2)	(1)	(1)	Shaw	(x)
16th	174	Smith	69.7	Collins	30.3
17th	(2)	Lehman	(x)	(1)	(1)
18th	109	Pepper	73.5	Brodie	26.5
19th	144	Fascell	69.1	Flanagan	30.9
GA	1,062	(x)	(x)	(x)	(x)
1st	69	Thomas	100.0	(1)	(1)
2d	72	Hatcher	100.0	(1)	(1)
3d	76	Ray	99.7	(1)	(1)
4th	162	Jones	46.8	Swindall	53.2
5th	124	Lewis	75.3	Scott	24.7
6th	127	Bray	40.5	Gingrich	59.5
7th	134	Darden	66.4	Morecraft	33.6
8th	95	Rowland	86.4	McDowell	13.6
9th	84	Jenkins	100.0	(1)	(1)
10th	116	Barnard	67.3	Hill	32.7
HI	331	(x)	(x)	(x)	(x)
1st	188	Hanneman	37.5	Saiki	59.2
2d	163	Akaka	76.1	Hastace	21.7
ID	376	(x)	(x)	(x)	(x)
1st	186	Currie	32.3	Craig	65.3
2d	190	Stallings	54.4	Richardson	45.6
IL	3,017	(x)	(x)	(x)	(x)
1st	127	Hayes	96.4	Faulkner	3.6
2d	118	Savage	83.8	Taylor	16.2
3d	156	Russo	66.2	Tierney	33.8
4th	119	Collins	48.4	Davis	51.6
5th	117	Lipinski	70.4	Sobieski	29.6
6th	130	Renshaw	24.8	Hyde	75.4
7th	113	Collins	80.2	Kallas	18.6
8th	105	Rostenkowski	78.7	DeFazio	21.3
9th	129	Yates	71.6	Sohn	28.4
10th	117	Cleland	24.9	Porter	75.1
11th	151	Annunzio	70.7	Gottlieb	29.3
12th	115	Leonardi	22.3	Crane	77.7
13th	146	Jeffrey	26.8	Fawell	73.4

See footnotes at end of table.

Digitized by Google

No. 402. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1986—Continued

[See headnote, p. 237]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
IL—Con.					
14th	148	Kearns	47.6	Hastert	52.4
15th	115	(1)	(1)	Madigan	100.0
16th	139	Bohnsack	33.1	Martin	66.9
17th	154	Evans	55.6	Mchard	44.4
18th	151	Dawson	37.4	Michel	62.6
19th	167	Bruce	66.4	Salvi	33.6
20th	186	Durbin	68.1	McCarthy	31.9
21st	131	Price	50.4	Gaffner	49.6
22d	183	Gray	53.2	Patchett	46.8
IN	1,556	(x)	(x)	(x)	(x)
1st	118	Visclosky	73.4	Costas	25.7
2d	166	Sharp	61.9	Lynch	37.4
3d	153	Ward	49.8	Hiler [3]	49.8
4th	144	Scher	30.0	Coats	69.6
5th	157	Jontz	51.4	Butcher	48.1
6th	173	McKenna	30.9	Burton	68.4
7th	157	Smith	31.6	Myers	66.8
8th	201	McCloskey	53.0	McIntyre	46.5
9th	166	Hamilton	71.9	Kilroy	27.7
10th	119	Jacobs	57.7	Eynon	41.2
IA	890	(x)	(x)	(x)	(x)
1st	131	Whitaker	33.6	Leach	66.4
2d	145	Tabor	38.7	Tauke	61.3
3d	153	Nagle	54.6	McIntee	45.4
4th	157	Smith	68.3	Lockard	31.6
5th	144	Hughes	40.8	Lightfoot	59.2
6th	161	Hodgson	49.0	Grandy	50.9
KS	787	(x)	(x)	(x)	(x)
1st	185	Lyon	23.5	Roberts	76.5
2d	157	Slattery	70.6	Kline	29.4
3d	109	(1)	(1)	Myers	100.0
4th	172	Glickman	64.5	Knight	35.5
5th	164	Myers	28.9	Whittaker	71.1
KY	630	(x)	(x)	(x)	(x)
1st	64	Hubbard	100.0	(1)	(1)
2d	58	Natcher	100.0	(1)	(1)
3d	112	Mazzoli	73.0	Holmes	26.1
4th	123	Mann	43.9	Bunning	55.1
5th	57	(1)	(1)	Rogers	100.0
6th	102	Hammond	25.7	Hopkins	74.3
7th	114	Perkins	79.6	Polley	20.4
LA [4]	391	(x)	(x)	(x)	(x)
1st	(x)	(x)	(x)	Livingston [5]	(x)
2d	(x)	Boggs [5]	(x)	(x)	(x)
3d	(x)	Tauzin [5]	(x)	(x)	(x)
4th	(x)	Roemer [5]	(x)	(x)	(x)
5th	(x)	Huckaby [5]	(x)	(x)	(x)
6th	(x)	(x)	(x)	Baker [5]	(x)
7th	191	(6)	100.0	(x)	(x)
8th	199	Williams	48.6	Holloway	51.4
ME	422	(x)	(x)	(x)	(x)
1st	229	Brennan	53.2	Ives	43.7
2d	192	Charette	22.7	Snowe	77.3
MD	1,063	(x)	(x)	(x)	(x)
1st	132	Dyson	66.8	Williams	33.2
2d	165	Townsend	41.3	Bentley	58.7
3d	127	Cardin	79.1	Pierpont	20.9
4th	130	McMillen	50.2	Neall	49.8
5th	100	Hoyer	81.9	Seliner	18.1
6th	143	Byron	72.2	Vandenberge	27.8
7th	91	Mfume	86.7	Crosse	13.3
8th	176	Bainum	47.1	Morella	52.9
MA	1,503	(x)	(x)	(x)	(x)
1st	146	Weiner	22.2	Conte	77.8
2d	138	Boland	65.9	Lees	34.1
3d	120	Early	100.0	(1)	(1)
MA—Con.					
4th	151	Frank	88.8	(1)	(1)
5th	114	Atkins	99.9	(1)	(1)
6th	131	Mavroules	99.9	(1)	(1)
7th	124	Markey	100.0	(1)	(1)
8th	145	Kennedy	72.0	Abt	27.7
9th	131	Moakley	83.8	(1)	(1)
10th	187	Studds	65.1	Barros	26.5
11th	115	Donnelly	100.0	(1)	(1)
MI	2,327	(x)	(x)	(x)	(x)
1st	106	Conyers	89.2	Ashe	9.8
2d	135	Baker	41.0	Pursell	59.0
3d	130	Wolpe	60.4	McGregor	39.6
4th	114	Roche	36.6	Upton	61.9
5th	141	Decker	28.8	Henry	71.2
6th	132	Carr	56.7	Dunn	43.3
7th	127	Kildee	79.8	Callihan	19.5
8th	134	Traxler	72.6	Levi	27.4
9th	140	Anderson	35.6	Vander Jagt	64.4
10th	153	Albosta	48.8	Schuette	51.1
11th	145	Anderson	36.6	Davis	63.0
12th	132	Bonior	66.4	Miller	33.6
13th	90	Crockett	85.2	Griffin	13.8
14th	127	Hertel	72.9	Grot	26.7
15th	104	Ford	75.2	Kaspel	24.2
16th	131	Dingell	77.8	Grzywacki	22.2
17th	137	Levin	76.4	Williams	22.5
18th	149	Kohut	26.2	Broomfield	73.8
MN	1,393	(x)	(x)	(x)	(x)
1st	173	Penny	72.4	Grawe	27.6
2d	194	Johnson	48.4	Weber	51.6
3d	182	Stock	29.9	Frenzel	70.1
4th	155	Vento	72.9	Stassen	27.1
5th	145	Sabo	72.7	Serra	25.9
6th	168	Sikorski	65.8	Sykora	34.2
7th	189	Peterson	49.6	Stangeland	49.7
8th	187	Oberstar	72.6	Rued	27.4
MS	524	(x)	(x)	(x)	(x)
1st	90	Whitten	66.4	Cobb	33.6
2d	141	Espy	51.7	Franklin	48.3
3d	81	Montgomery	100.0	(1)	(1)
4th	120	Dowdy	71.5	Healy	28.5
5th	91	Albritton	17.7	Lott	82.3
MO	1,430	(x)	(x)	(x)	(x)
1st	138	Clay	66.1	Wittmann	33.9
2d	195	Young	48.1	Buechner	51.9
3d	168	Gephardt	69.0	Amelung	31.0
4th	129	Skelton	100.0	(1)	(1)
5th	143	Wheat	70.9	Fisher	27.6
6th	169	Hughes	43.3	Coleman	56.7
7th	171	Young	33.0	Taylor	67.0
8th	151	Cryts	47.5	Emerson	52.5
9th	167	Volkmer	57.5	Uthlaut	42.5
MT	318	(x)	(x)	(x)	(x)
1st	160	Williams	61.7	Allen	38.3
2d	158	O'Brien	46.5	Marlenee	53.5
NE	555	(x)	(x)	(x)	(x)
1st	189	Burns	35.5	Bereuter	64.4
2d	170	Calinger	41.3	Daub	58.5
3d	196	Sidwell	30.2	Smith	69.8
NV	257	(x)	(x)	(x)	(x)
1st	114	Bilbray	54.1	Ryan	44.0
2d	143	Sferrazza	41.6	Vucanovich	58.4
NH	241	(x)	(x)	(x)	(x)
1st	126	Demers	43.6	Smith	56.3
2d	115	Craig-Green	25.8	Gregg	74.2

See footnotes at end of table.

Digitized by Google

No. 402. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1986—Continued

[See headnote, p. 237]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
NJ	1,554	(x)	(x)	(x)	(x)
1st	124	Florio	75.6	Busch	23.6
2d	123	Hughes	68.3	Benning-ton	28.6
3d	126	Howard	58.7	Kennedy	41.3
4th	129	Laurenti	38.3	Smith	61.1
5th	126	Jolley	25.4	Roukema	74.6
6th	98	Dwyer	69.0	Scale-monti	28.9
7th	117	Fischer	21.0	Rinaldo	79.0
8th	92	Roe	62.6	Zampino	37.2
9th	130	Torricelli	69.0	Jones	31.0
10th	49	Rodino	95.9	(1)	(1)
11th	110	Askin	32.0	Gallo	68.0
12th	115	Crabiel	36.5	Courter	63.5
13th	127	Wydra	34.6	Saxton	65.4
14th	89	Guarini	70.7	Sires	26.7
NM	386	(x)	(x)	(x)	(x)
1st	128	Garcia	29.1	Lujan	70.9
2d	124	Runnels	37.1	Skeen	62.9
3d	134	Richard-son	71.3	Cargo	28.7
NY	3,904	(x)	(x)	(x)	(x)
1st	131	Hoch-brueck-ner	51.2	Blass	42.3
2d	109	Downey	64.3	Butzke	32.4
3d	149	Mrazek	54.4	Guarino	40.6
4th	142	Sullivan	30.6	Lent	64.6
5th	143	Sullivan	34.7	McGrath	65.3
6th	86	Flake	67.7	Dietl	32.3
7th	61	Ackerman	77.4	Rodriguez	22.6
8th	78	Scheuer	90.2	(1)	(1)
9th	73	Manton	69.4	Calise	24.7
10th	82	Schumer	93.3	(1)	(1)
11th	47	Towns	89.4	Hendricks	6.7
12th	46	Owens	91.5	Augustine	6.0
13th	74	Solarz	82.4	Nadrowski	14.8
14th	94	Walla	29.7	Molinari	68.8
15th	100	Hirsch	42.0	Green	58.0
16th	64	Rangel	96.4	(1)	(1)
17th	111	Weiss	85.5	Chorba	14.0
18th	46	Garcia	93.5	Chase	5.3
19th	97	Biaggi	90.2	(1)	(1)
20th	149	Abzug	44.6	DioGuardi	53.9
21st	133	Grun-berger	21.2	Fish	76.5
22d	136	Bur-lingham	27.2	Gilman	69.5
23d	146	Stratton	96.4	(1)	(1)
24th	167	Bloch	29.6	Solomon	70.4
25th	151	Conway	22.4	Boehlert	69.0
26th	95	(1)	(1)	Martin	100.0
27th	168	Pooler	49.1	Wortley	49.7
28th	152	McHugh	68.3	Masterson	31.7
29th	141	Vogel	24.2	Horton	70.7
30th	170	Slaughter	41.0	Eckert	59.0
31st	161	Keane	42.0	Kemp	57.5
32d	110	Lafalce	91.0	(1)	(1)
33d	128	Nowak	85.1	Walker	14.9
34th	143	Himelein	39.9	Houghton	60.1
NC	1,573	(x)	(x)	(x)	(x)
1st	131	Jones	69.5	Moye	30.5
2d	128	Valentine	74.6	McEl-haney	25.4
3d	111	Lancaster	64.5	Hurst	35.5
4th	166	Price	55.7	Cobey	44.3
5th	160	Neal	54.1	Epperson	45.9
6th	145	Britt	50.0	Coble [7]	50.0
7th	110	Rose	64.2	Harrelson	35.8
8th	140	Hefner	57.9	Hamby	42.1
9th	157	Martin	48.7	McMillan	51.3
10th	146	Roark	42.5	Ballenger	57.5
11th	161	Clarke	50.7	Hendon	49.3
ND	286	Dorgan	75.5	Vinje	23.4
OH	3,067	(x)	(x)	(x)	(x)
1st	147	Luken	61.7	Morr	38.3
2d	149	Stineman	29.3	Gradison	70.7
3d	133	Hall	73.7	Crutcher	26.3
4th	154	Cratty	17.1	Oxley	75.1
5th	157	Murray	35.0	Latta	65.0
6th	151	Roberts	27.9	McEwen	70.3
7th	119	(1)	(1)	DeWine	100.0
8th	145	Griffin	31.9	Lukens	68.1
9th	136	Kaptur	77.5	Shufeldt	22.5
10th	152	Buchanan	29.6	Miller	70.4
11th	145	Eckart	72.5	Mueller	24.9
12th	161	Jochim	26.6	Kasich	73.4
13th	141	Pease	62.6	Nielsen	37.2
14th	155	Sawyer	53.7	Slaby	46.3
15th	153	Jackson	36.3	Wylie	63.7
16th	155	Kennick	23.7	Regula	76.3
17th	156	Traficant	72.3	Fulks	27.7
18th	127	Applegate	100.0	(1)	(1)
19th	179	Feighan	54.8	Suhadol-nik	45.2
20th	131	Oakar	84.9	Smith	15.1
21st	122	Stokes	81.6	Roski	18.4
OK	725	(x)	(x)	(x)	(x)
1st	144	Allison	42.8	Inhofe	54.8
2d	156	Synar	73.3	Rice	26.7
3d	146	Watkins	78.1	Miller	21.9
4th	125	McCurdy	76.2	Hum-phreys	23.6
5th	154	Compton	29.4	Edwards	70.6
6th	(8)	English	(x)	(1)	(1)
OR	1,032	(x)	(x)	(x)	(x)
1st	229	AuCoin	61.7	Meeker	38.3
2d	189	Tuttle	39.8	Smith	60.2
3d	210	Wyden	85.9	Phelan	14.0
4th	196	Defazio	54.1	Long	45.9
5th	208	Ross	39.5	Smith	60.5
PA	3,306	(x)	(x)	(x)	(x)
1st	116	Foglietta	74.7	Mucciolo	25.3
2d	130	Gray	98.4	(1)	(1)
3d	174	Borski	61.8	Rovner	38.2
4th	143	Kolter	60.4	Lindsay	38.7
5th	133	Ritzgold	34.3	Schulze	65.7
6th	142	Yatron	69.1	Bertassa-vage	30.9
7th	180	Spingler	36.7	Weldon	61.3
8th	156	Kostmayer	55.0	Christian	45.0
9th	121	(1)	(1)	Shuster	100.0
10th	159	Bolus	25.3	McDade	74.7
11th	159	Kanjorski	70.6	Holtzman	29.4
12th	144	Murtha	67.4	Holtzman	32.6
13th	172	Hoeffel	41.5	Coughlin	58.5
14th	117	Coyne	89.6	(1)	(1)
15th	132	Simonetta	43.2	Ritter	56.8
16th	135	Hagelgans	25.4	Walker	74.6
17th	137	Ogden	26.4	Gekas	73.6
18th	165	Walgren	63.0	Buckman	37.0
19th	137	Thornton	27.1	Goodling	72.9
20th	139	Gaydos	98.5	(1)	(1)
21st	137	Blackwell	19.1	Ridge	80.9
22d	132	Murphy	100.0	(1)	(1)
23d	143	Wachob	44.5	Clinger	55.5
RI	306	(x)	(x)	(x)	(x)
1st	147	St Germain	57.7	Holmes	42.3
2d	158	Ferry	28.2	Schneider	71.6
SC	717	(x)	(x)	(x)	(x)
1st	115	Stuckey	48.0	Ravenel	52.0
2d	137	Zeigler	46.4	Spence	53.6
3d	116	Derrick	68.4	Dickison	31.5
4th	130	Patterson	51.4	Workman	47.3

See footnotes at end of table.

Digitized by Google

No. 402. Vote Cast for United States Representatives by Major Political Party—Congressional Districts: 1986—Continued

[See headnote, p. 237]

State and district	Total vote cast (1,000)	Democratic candidate		Republican candidate	
		Name	Percent of total	Name	Percent of total
SC—Con.					
5th	96	Spratt	99.7	(1)	(1)
8th	122	Tallon	75.5	Cunningham	24.5
SD	290	Johnson	59.2	Bell	40.8
TN	1,105	(x)	(x)	(x)	(x)
1st	117	Russell	31.1	Quillen	68.9
2d	126	Bowen	23.8	Duncan	76.2
3d	139	Lloyd	53.9	Golden	46.1
4th	87	Cooper	100.0	(1)	(1)
5th	147	Boner	57.9	Holcomb	39.9
6th	133	Gordon	76.8	Vail	23.2
7th	130	Hiler	27.7	Sundquist	72.3
8th	127	Jones	80.4	Campbell	19.6
9th	100	Ford	83.4	(1)	(1)
TX	3,010	(x)	(x)	(x)	(x)
1st	84	Chapman	100.0	(1)	(1)
2d	138	Wilson	56.8	Gordon	40.5
3d	152	(1)	(1)	Bartlett	94.1
4th	136	Hall	71.7	Blow	28.3
5th	98	Bryant	58.5	Carter	40.7
6th	154	Geren	44.2	Barton	55.8
7th	148	Kniffen	11.9	Archer	87.4
8th	97	Mann	31.8	Fields	68.4
9th	119	Brooks	61.5	Duperier	38.5
10th	188	Pickle	72.3	Rylander	27.7
11th	64	Leath	100.0	(1)	(1)
12th	123	Wright	68.7	McNeil	31.3
13th	131	Seal	35.1	Boulter	64.9
14th	142	Laughlin	47.7	Sweeney	52.3
15th	71	De La Garza	100.0	(1)	(1)
16th	77	Coleman	65.7	Gillis	34.3
17th	98	Stenholm	100.0	(1)	(1)
18th	70	Leland	90.2	(1)	(1)
19th	111	McCathern	38.0	Combest	62.0
20th	55	Gonzalez	100.0	(1)	(1)
21st	166	Sneison	38.5	Smith	60.8
22d	107	Director	28.2	DeLay	71.8
23d	75	Bustamante	90.7	(1)	(1)
24th	103	Frost	67.2	Burk	32.8
25th	87	Andrews	100.0	(1)	(1)
26th	149	Richardson	31.9	Armey	68.1
27th	64	Ortiz	100.0	(1)	(1)
UT	429	(x)	(x)	(x)	(x)
1st	159	McKay	48.4	Hansen	51.6
2d	139	Owens	55.2	Shimizu	43.7
3d	130	Gardiner	32.7	Nielson	66.6
VT	189	(1)	(1)	Jeffords	99.1
VA	1,043	(x)	(x)	(x)	(x)
1st	144	Scott	44.0	Bateman	56.0
2d	110	Pickett	49.5	Canada	41.9
3d	111	Powell	29.8	Bliley	67.0
4th	65	Sisisky	99.8	(1)	(1)
5th	90	Daniel	81.5	(1)	(1)
6th	126	Olin	69.9	Traywick	30.1
7th	60	(1)	(1)	Slaughter	98.3
8th	118	Boren	38.2	Parris	61.8
9th	60	Boucher	99.0	(1)	(1)
10th	159	Milliken	39.8	Woll	60.2
WA	1,295	(x)	(x)	(x)	(x)
1st	191	Lindquist	48.6	Miller	51.4
2d	173	Swift	72.2	Talman	27.8
3d	156	Bonker	73.6	Illing	26.4
4th	149	Goedecke	27.9	Morrison	72.1
5th	163	Foley	74.7	Wakefield	25.3
6th	126	Dicks	71.2	Braaten	28.8
7th	171	Lowry	72.6	Macdonald	27.4
8th	185	Giles	34.8	Chandler	65.2
WV	396	(x)	(x)	(x)	(x)
1st	91	Mollohan	100.0	(1)	(1)
2d	110	Staggers	69.5	Golden	30.5
3d	113	Wise	64.9	Sharp	35.1
4th	82	Rahall	71.3	Miller	28.7
WI	1,383	(x)	(x)	(x)	(x)
1st	143	Aspin	74.3	Peterson	24.1
2d	193	Kastenmeier	55.5	Haney	44.2
3d	163	Mulder	35.9	Gunderson	64.1
4th	121	Kleczka	99.8	(1)	(1)
5th	111	Moody	99.0	(1)	(1)
6th	129	(1)	(1)	Petri	96.6
7th	172	Obey	62.1	Hermening	36.9
8th	175	Willems	32.8	Roth	67.4
9th	177	Popp	21.8	Sensenbrenner	78.2
WY	160	Gilmore	30.5	Cheney	69.5

X Not applicable. [1] No candidate. [2] State law does not require tabulation of votes for unopposed candidates. [3] The winning Republican candidate received 75,979 votes; the Democratic candidate, 75,932. [4] Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. [5] Candidate listed won seat in open-primary. [6] Two Democratic candidates in run-off. Winner was Hayes. [7] The winning Republican candidate received 72,329 votes; the Democratic candidate, 72,250.

Source: Elections Research Center, *America Votes*, biennial.

Digitized by Google

NO. 403. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY, 1970 TO 1986, AND BY STATE, 1986

[For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED				DEMOCRATS ELECTED				REPUBLICANS ELECTED				REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION		
		Percentage of vote				Percentage of vote				Percentage of vote					
	Total	Under 55	55–59.9	60 and over	Total	Under 55	55–59.9	60 and over	Total	Under 55	55–59.9	60 and over	Total	Demo-crats	Republi-cans
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1972	[1] 435	[1] 67	60	308	242	28	29	185	192	38	31	123	54	46	8
1974	435	105	69	261	291	48	34	209	144	57	35	52	60	59	1
1976	435	76	62	297	292	52	32	208	143	24	30	89	52	44	8
1978	435	74	61	300	277	46	36	195	158	28	25	105	70	51	19
1980	435	78	63	294	243	35	35	173	192	43	28	121	54	39	15
1982	435	76	73	286	269	40	33	196	166	36	40	90	56	46	10
1984	435	58	56	321	253	33	38	182	182	25	18	139	66	54	14
1986, total	**435**	**46**	**41**	**348**	**258**	**22**	**18**	**218**	**177**	**24**	**23**	**130**	**72**	**54**	**18**
Region:															
Northeast	95	8	10	79	55	3	4	48	40	3	6	31	19	16	3
Midwest	113	16	10	87	62	7	6	49	51	9	4	38	8	4	4
South	142	16	12	114	96	7	6	83	46	9	6	31	43	33	10
West	85	8	9	68	45	5	2	38	40	3	7	30	2	1	1
N. Eng.	**24**	**2**	**2**	**20**	**15**	**1**	**1**	**13**	**9**	**1**	**1**	**7**	**8**	**7**	**1**
ME	2	1	–	1	1	1	–	–	1	–	–	1	–	–	–
NH	2	–	1	1	–	–	–	–	2	–	1	1	–	–	–
VT	1	–	–	1	–	–	–	–	1	–	–	1	1	–	1
MA	11	–	–	11	10	–	–	10	1	–	–	1	7	7	–
RI	2	–	1	1	1	–	1	–	1	–	–	1	–	–	–
CT	6	1	–	5	3	–	–	3	3	1	–	2	–	–	–
Mid. Atl	**71**	**4**	**8**	**59**	**40**	**2**	**3**	**35**	**31**	**2**	**5**	**24**	**11**	**9**	**2**
NY	34	4	3	27	20	2	1	17	14	2	2	10	5	4	1
NJ	14	–	1	13	8	–	1	7	6	–	–	6	1	1	–
PA	23	–	4	19	12	–	1	11	11	–	3	8	5	4	1
E. No. Cent	**80**	**10**	**5**	**65**	**46**	**8**	**4**	**36**	**34**	**4**	**1**	**29**	**6**	**3**	**3**
OH	21	2	–	19	11	2	–	9	10	–	–	10	2	1	1
IN	10	3	1	6	6	2	1	3	4	1	–	3	–	–	–
IL	22	4	1	17	13	2	1	10	9	2	–	7	1	–	1
MI	18	1	2	15	11	–	1	10	7	1	1	5	–	–	–
WI	9	–	1	8	5	–	1	4	4	–	–	4	3	2	1
W. No. Cent	**33**	**6**	**5**	**22**	**16**	**1**	**2**	**13**	**17**	**5**	**3**	**9**	**2**	**1**	**1**
MN	8	2	–	6	5	–	–	5	3	2	–	1	–	–	–
IA	6	2	1	3	2	1	–	1	4	1	1	2	–	–	–
MO	9	2	2	5	5	–	1	4	4	2	1	1	1	1	–
ND	1	–	–	1	1	–	–	1	–	–	–	–	–	–	–
SD	1	–	1	–	1	–	1	–	–	–	–	–	–	–	–
NE	3	–	1	2	–	–	–	–	3	–	1	2	–	–	–
KS	5	–	–	5	2	–	–	2	3	–	–	3	1	–	1
So. Atl	**69**	**11**	**6**	**52**	**48**	**5**	**2**	**41**	**21**	**6**	**4**	**11**	**19**	**14**	**5**
DE	1	–	–	1	1	–	–	1	–	–	–	–	–	–	–
MD	8	2	1	5	6	1	–	5	2	1	1	–	–	–	–
VA	10	1	1	8	5	1	–	4	5	–	1	4	4	3	1
WV	4	–	–	4	4	–	–	4	–	–	–	–	1	1	–
NC	11	4	3	4	8	2	2	4	3	2	1	–	–	–	–
SC	6	3	–	3	4	1	–	3	2	2	–	–	1	1	–
GA	10	1	1	8	8	–	–	8	2	1	1	–	4	4	–
FL	19	–	–	19	12	–	–	12	7	–	–	7	9	5	4
E. So. Cent	**28**	**2**	**3**	**23**	**19**	**2**	**2**	**15**	**9**	**–**	**1**	**8**	**7**	**5**	**2**
KY	7	–	1	6	4	–	–	4	3	–	1	2	3	2	1
TN	9	1	1	7	6	1	1	4	3	–	–	3	2	2	–
AL	7	–	1	6	5	–	1	4	2	–	–	2	1	–	1
MS	5	1	–	4	4	1	–	3	1	–	–	1	1	1	–
W. So. Cent	**45**	**3**	**3**	**39**	**29**	**–**	**2**	**27**	**16**	**3**	**1**	**12**	**17**	**14**	**3**
AR	4	–	–	4	3	–	–	3	1	–	–	1	–	–	–
LA	8	1	1	6	5	–	[2] 1	4	3	1	–	2	6	4	2
OK	6	1	1	5	4	–	–	4	2	1	–	1	2	1	1
TX	27	1	2	24	17	–	1	16	10	1	1	8	10	9	1
Mt	**24**	**6**	**2**	**16**	**9**	**4**	**1**	**4**	**15**	**2**	**1**	**12**	**1**	**–**	**1**
MT	2	1	–	1	1	–	–	1	1	1	–	–	–	–	–
ID	2	1	–	1	1	1	–	–	1	–	–	1	–	–	–
WY	1	–	–	1	–	–	–	–	1	–	–	1	–	–	–
CO	6	2	–	4	3	2	–	1	3	–	–	3	–	–	–
NM	3	–	–	3	1	–	–	1	2	–	–	2	–	–	–
AZ	5	–	–	5	1	–	–	1	4	–	–	4	1	–	1
UT	3	1	1	1	–	–	1	–	2	1	–	1	–	–	–
NV	2	1	1	–	1	1	–	–	1	–	1	–	–	–	–
Pac	**61**	**2**	**7**	**52**	**36**	**1**	**1**	**34**	**25**	**1**	**6**	**18**	**1**	**1**	**–**
WA	8	1	–	7	5	–	–	5	3	1	–	2	–	–	–
OR	5	1	–	4	3	1	–	2	2	–	–	2	–	–	–
CA	45	–	6	40	27	–	1	26	18	–	4	14	1	1	–
AK	1	–	1	–	1	–	–	1	1	–	1	–	–	–	–
HI	2	–	1	1	1	–	–	1	1	–	1	–	–	–	–

– Represents zero. [1] Includes one Representative elected as an Independent.
[2] Run off election between two Democratic candidates; no Republican candidate.

Source: Compiled by U.S. Bureau of the Census from Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 45, No. 11, March 14, 1987 and previous issues (copyright).

Digitized by Google

No. 404. Composition of Congress, by Political Party: 1939 to 1987

[D = Democratic, R = Republican. Data for beginning of first session of each Congress, exclude vacancies at beginning of session. See also *Historical Statistics, Colonial Times to 1970*, series Y 204–210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1939	D (F. Roosevelt)	76th	D–261	R–169	4	D–69	R–23	4
1941	D (F. Roosevelt)	77th	D–266	R–162	5	D–66	R–26	2
1943	D (F. Roosevelt)	78th	D–218	R–208	4	D–58	R–37	1
1945	D (F. Roosevelt)	79th	D–242	R–190	2	D–56	R–38	1
1947	D (Truman)	80th	R–245	D–186	1	R–51	D–45	–
1949	D (Truman)	81st	D–263	R–171	1	D–54	R–42	–
1951	D (Truman)	82d	D–234	R–199	1	D–49	R–47	–
1953	R (Eisenhower)	83d	R–221	D–211	1	R–48	D–47	1
1955	R (Eisenhower)	84th	D–232	R–203	–	D–48	R–47	1
1957	R (Eisenhower)	85th	D–233	R–200	–	D–49	R–47	–
1959 [1]	R (Eisenhower)	86th	D–284	R–153	–	D–65	R–35	–
1961	D (Kennedy)	87th	D–263	R–174	–	D–65	R–35	–
1963	D (Kennedy)	88th	D–258	R–177	–	D–67	R–33	–
1965	D (Johnson)	89th	D–295	R–140	–	D–68	R–32	–
1967	D (Johnson)	90th	D–247	R–187	–	D–64	R–36	–
1969	R (Nixon)	91st	D–243	R–192	–	D–57	R–43	–
1971 [2]	R (Nixon)	92d	D–254	R–180	–	D–54	R–44	2
1973 [2 3]	R (Nixon)	93d	D–239	R–192	1	D–56	R–42	2
1975 [4]	R (Ford)	94th	D–291	R–144	–	D–60	R–37	2
1977 [5]	D (Carter)	95th	D–292	R–143	–	D–61	R–38	1
1979 [5]	D (Carter)	96th	D–276	R–157	–	D–58	R–41	1
1981 [5]	R (Reagan)	97th	D–243	R–192	–	R–53	D–46	1
1983	R (Reagan)	98th	D–269	R–165	–	R–54	D–46	–
1985	R (Reagan)	99th	D–252	R–182	–	R–53	D–47	–
1987	R (Reagan)	100th	D–258	R–177	–	D–55	R–45	–

– Represents zero. [1] Includes Hawaii; members seated Aug. 1959. [2] Senate had 1 Independent and 1 Conservative-Republican. [3] House had 1 Independent-Democrat. [4] Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire). [5] Senate had 1 Independent.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 405. Congressional Bills, Acts, and Resolutions: 1969 to 1986

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189–198]

ITEM	91st Cong., 1969–70	92d Cong., 1971–72	93d Cong., 1973–74	94th Cong., 1975–76	95th Cong., 1977–78	96th Cong., 1979–80	97th Cong., 1981–82	98th Cong., 1983–84	99th Cong., 1985–86
Measures introduced	26,303	22,969	23,396	21,096	19,387	12,583	11,490	11,156	9,885
Bills	24,631	21,363	21,950	19,762	18,045	11,722	10,582	10,134	8,897
Joint resolutions	1,672	1,606	1,446	1,334	1,342	861	908	1,022	1,188
Measures enacted	941	768	774	729	803	736	529	677	483
Public	695	607	651	588	633	613	473	623	466
Private	246	161	123	141	170	123	56	54	17

Source: U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 406. Congressional Bills Vetoed: 1923 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199–203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1923–1929	Coolidge	50	20	30	46	4
1929–1933	Hoover	37	21	16	34	3
1933–1945	F. Roosevelt	635	372	263	626	9
1945–1953	Truman	250	180	70	238	12
1953–1961	Eisenhower	181	73	108	179	2
1961–1963	Kennedy	21	12	9	21	–
1963–1969	Johnson	30	16	14	30	–
1969–1974	Nixon	42	24	18	36	6
1974–1977	Ford	72	53	19	60	12
1977–1981	Carter	31	13	18	29	2
1981–1986	Reagan	59	31	28	53	6

– Represents zero.

Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789–1968*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

Digitized by Google

No. 407. Composition of Congress, by Political Party Affiliation—States: 1981 to 1987

[Figures are for the beginning of the first session. Dem. = Democratic; Rep. = Republican. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Representatives								Senators							
	97th Cong., 1981		98th Cong.,[1] 1983		99th Cong.,[2] 1985		100th Cong., 1987		97th Cong.,[3] 1981		98th Cong., 1983		99th Cong., 1985		100th Cong., 1987	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	243	192	269	165	252	182	258	177	46	53	46	54	47	53	55	45
Region:																
Northeast	59	45	58	37	54	41	55	40	9	9	9	9	9	9	9	9
Midwest	58	63	62	51	61	51	62	51	10	14	10	14	12	12	13	11
South	87	47	103	39	93	49	96	46	18	13	18	14	18	14	23	9
West	39	37	46	38	44	41	45	40	9	17	9	17	8	18	10	16
N. Eng	16	9	16	8	14	10	15	9	6	6	6	6	6	6	6	6
ME	–	2	–	2	–	2	1	1	1	1	1	1	1	1	1	1
NH	1	1	1	1	–	2	–	2	–	2	–	2	–	2	–	2
VT	–	1	–	1	–	1	–	1	1	1	1	1	1	1	1	1
MA	10	2	10	1	10	1	10	1	2	–	2	–	2	–	2	–
RI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CT	4	2	4	2	3	3	3	3	1	1	1	1	1	1	1	1
Mid. Atl	43	36	42	29	40	31	40	31	3	3	3	3	3	3	3	3
NY	22	17	20	14	19	15	20	14	1	1	1	1	1	1	1	1
NJ	8	7	9	5	8	6	8	6	2	–	2	–	2	–	2	–
PA	13	12	13	10	13	10	12	11	–	2	–	2	–	2	–	2
E. No. Cent	43	43	44	36	44	35	46	34	6	4	6	4	7	3	7	3
OH	10	13	10	11	11	10	11	10	2	–	2	–	2	–	2	–
IN	6	5	5	5	4	5	6	4	–	2	–	2	–	2	–	2
IL	10	14	12	10	13	9	13	9	1	1	1	1	2	–	2	–
MI	12	7	12	6	11	7	11	7	2	–	2	–	2	–	2	–
WI	5	4	5	4	5	4	5	4	1	1	1	1	1	1	1	1
W. No. Cent	15	20	16	15	17	16	16	17	4	10	4	10	5	9	6	8
MN	3	5	5	3	5	3	5	3	–	2	–	2	–	2	–	2
IA	3	3	3	3	2	4	2	4	–	2	–	2	1	1	1	1
MO	6	4	6	3	6	3	5	4	1	1	1	1	1	1	–	2
ND	1	–	1	–	1	–	1	–	1	1	1	1	1	1	2	–
SD	1	1	1	–	1	–	1	–	–	2	–	2	–	2	1	1
NE	–	3	–	3	–	3	–	3	2	–	2	–	2	–	2	–
KS	1	4	2	3	2	3	2	3	–	2	–	2	–	2	–	2
So. Atl	39	26	50	19	44	25	48	21	7	8	7	9	7	9	11	5
DE	–	1	1	–	1	–	1	–	1	1	1	1	1	1	1	1
MD	7	1	7	1	6	2	6	2	1	1	1	1	1	1	2	–
VA	1	9	4	6	4	6	5	5	–	1	–	2	–	2	–	2
WV	2	2	4	–	4	–	4	–	2	–	2	–	2	–	2	–
NC	7	4	9	2	6	5	8	3	–	2	–	2	–	2	1	1
SC	2	4	3	3	3	3	4	2	1	1	1	1	1	1	1	1
GA	9	1	9	1	6	2	9	2	1	1	1	1	1	1	2	–
FL	11	4	13	6	12	7	12	7	1	1	1	1	1	1	2	–
E. So. Cent	16	11	16	10	16	10	19	9	5	3	5	3	5	3	6	2
KY	4	3	4	3	4	3	4	3	2	–	2	–	1	1	1	1
TN	5	3	6	3	6	3	6	3	1	1	1	1	2	–	2	–
AL	4	3	5	2	5	2	5	2	1	1	1	1	1	1	2	–
MS	3	2	3	2	3	2	4	1	1	1	1	1	1	1	1	1
W. So. Cent	32	10	35	10	31	14	29	16	6	2	6	2	6	2	6	2
AR	2	2	2	2	3	1	3	1	2	–	2	–	2	–	2	–
LA	6	2	6	2	6	2	5	3	2	–	2	–	2	–	2	–
OK	5	1	5	1	5	1	4	2	1	1	1	1	1	1	1	1
TX	19	5	22	5	17	10	17	10	1	1	1	1	1	1	1	1
Mt	7	12	8	15	7	17	9	15	5	11	5	11	5	11	6	10
MT	1	1	1	1	1	1	1	1	2	–	2	–	2	–	2	–
ID	–	2	–	2	1	1	1	1	–	2	–	2	–	2	–	2
WY	–	1	–	1	–	1	–	1	–	2	–	2	–	2	–	2
CO	3	2	3	2	2	4	3	3	1	1	1	1	1	1	1	1
NM	–	2	1	2	1	2	1	2	–	2	1	1	1	1	1	1
AZ	2	2	2	3	1	4	1	4	1	1	1	1	1	1	1	1
UT	–	2	–	3	–	3	1	2	–	2	–	2	–	2	–	2
NV	1	–	1	1	1	1	1	1	1	1	–	2	–	2	1	1
Pac	32	25	38	23	37	24	36	25	4	6	4	6	3	7	4	6
WA	5	2	5	3	5	3	5	3	1	1	1	1	–	2	1	1
OR	3	1	3	2	3	2	3	2	–	2	–	2	–	2	–	2
CA	22	21	28	17	27	18	27	18	1	1	1	1	1	1	1	1
AK	–	1	–	1	–	1	–	1	–	2	–	2	–	2	–	2
HI	2	–	2	–	2	–	1	1	2	–	2	–	2	–	2	–

– Represents zero. [1] Colorado had one vacancy. [2] Indiana had one vacancy. [3] Virginia had one Senator classified as Independent.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

Digitized by Google

No. 408. Members of Congress—Incumbents Re-elected: 1962 to 1986

Item	Presidential-year elections						Midterm elections						
	1964	1968	1972	1976	1980	1984	1962	1966	1970	1974	1978	1982	1986
Representatives:													
Incumbent candidates	397	409	390	384	398	411	402	411	401	391	382	393	394
Re-elected	344	396	365	368	361	392	368	382	379	343	358	354	385
Percent of candidates	86.6	96.8	93.6	95.8	90.7	95.3	91.5	88.1	94.5	87.7	93.7	90.1	97.7
Defeated: In primaries	6	4	12	3	6	3	12	6	10	8	5	[1] 10	3
In general elections	45	9	13	13	31	16	22	41	12	40	19	29	6
Senators:													
Incumbent candidates	33	28	27	25	29	29	35	32	31	27	25	30	28
Re-elected	28	20	20	16	16	26	29	28	24	23	15	28	21
Percent of candidates	84.8	71.4	74.1	64.0	55.2	89.7	82.9	87.5	77.4	85.2	60.0	93.3	75.0
Defeated: In primaries	1	4	2	–	4	–	1	3	1	2	3	–	–
In general elections	4	4	5	9	9	3	5	1	6	2	7	2	7

– Represents zero. [1] Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 8, 1986. (Copyright.)

No. 409. Members of Congress—Selected Characteristics: 1971 to 1987

[As of beginning of first session of each Congress. Figures for Representatives exclude vacancies]

Members of Congress and year	Male	Female	Black	Married	Not married [1]	Age (in years)					
						Under 40	40–49	50–59	60–69	70–79	80 and over
REPRESENTATIVES											
92d Cong., 1971	421	12	12	407	26	40	133	152	86	19	3
93d Cong., 1973	419	14	15	399	34	45	132	154	80	20	2
94th Cong., 1975	416	19	15	381	54	69	136	137	75	14	2
95th Cong., 1977	417	18	16	379	56	81	121	147	71	15	–
96th Cong., 1979	417	16	16	364	69	86	125	145	63	14	–
97th Cong., 1981	416	19	17	349	86	94	142	132	54	12	1
98th Cong., 1983	413	21	21	366	68	86	145	132	57	13	1
99th Cong., 1985	412	22	20	365	69	71	154	131	59	17	2
100th Cong., 1987	412	23	23	371	64	63	153	137	56	24	2
SENATORS											
92d Cong., 1971	99	1	1	97	3	4	24	32	23	16	1
93d Cong., 1973	100	–	1	96	4	3	25	37	23	11	1
94th Cong., 1975 [2]	100	–	1	94	6	5	21	35	24	15	–
95th Cong., 1977	100	–	1	91	9	6	26	35	21	10	2
96th Cong., 1979	99	1	–	95	5	10	31	33	17	8	1
97th Cong., 1981	98	2	–	93	7	9	35	36	14	6	–
98th Cong., 1983	98	2	–	90	10	7	28	39	20	3	3
99th Cong., 1985	98	2	–	92	8	4	27	38	25	4	2
100th Cong., 1987	98	2	–	90	10	5	30	36	22	5	2

– Represents zero. [1] Single, widowed, or divorced. [2] Includes Senator Durkin, NH, seated Sept. 1975.

No. 410. Members of Congress—Seniority and Occupation: 1981 to 1987

[As of beginning of first session of each Congress. Dem. = Democratic; Rep. = Republican]

Seniority and occupation	Representatives						Senators					
	97th Cong., 1981	98th Cong., 1983 [1]	99th Cong., 1985	100th Cong., 1987			97th Cong., 1981	98th Cong., 1983	99th Cong., 1985	100th Cong., 1987		
				Total	Dem.	Rep.				Total	Dem.	Rep.
Total	435	[2] 435	[2] 435	435	258	177	100	100	100	100	55	45
Seniority: [3]												
Less than 2 years	77	83	49	51	28	23	19	5	8	14	12	2
2–9 years	231	224	237	221	117	104	51	61	56	41	16	25
10–19 years	96	88	104	114	74	40	17	21	27	36	19	17
20–29 years	23	28	34	37	29	8	11	10	7	7	7	–
30 years or more	8	11	10	12	10	2	2	3	2	2	1	1
Occupation: [4]												
Agriculture	28	29	24	20	10	10	9	9	7	5	2	3
Business or banking	134	139	144	142	66	76	28	35	30	28	13	15
Education	59	43	37	38	24	14	10	12	10	12	6	6
Journalism	21	21	21	20	11	9	7	7	8	8	6	2
Law	194	201	190	184	122	62	59	61	61	62	35	27
Public service/politics	52	49	65	94	59	35	13	2	11	20	13	7

– Represents zero. [1] Data have been adjusted for the subsequent switching of parties by one Representative and the Representative elected to fill the vacancy created by the death of Representative Rosenthal. [2] Includes one vacancy. [3] Represents consecutive years of service. [4] Not all occupations reported are listed. Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 44, No. 45, Nov. 8, 1986, and previous issues (copyright), and unpublished data. Members of Congress may state more than 1 occupation; therefore, sum may be greater than total.

Source of tables 409 and 410: Except as noted, compiled by U.S. Bureau of the Census from U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial.

Digitized by Google

No. 411. Number of Governors, by Political Party Affiliation: 1960 to 1987

[Reflects results of elections in previous year and holdover incumbents]

YEAR	Democratic	Republican	YEAR	Democratic	Republican	Independent	YEAR	Democratic	Republican
1960	34	16	1970	18	32	–	1979	32	18
1962	34	16	1971	29	21	–	1980	31	19
1963	34	16	1972	30	20	–	1981	27	23
1964	34	16	1973	31	19	–	1982	27	23
1965	33	17	1974	32	18	–	1983	34	16
1966	33	17	1975	36	13	1	1984	35	15
1967	25	25	1976	36	13	1	1985	34	16
1968	24	26	1977	37	12	1	1986	34	16
1969	20	30	1978	37	12	1	1987	26	24

– Represents zero.

Source: National Governors' Association, Washington, DC, *Governors of the American States, Commonwealths, and Territories*, annual. (Copyright.)

No. 412. Vote Cast for and Governor Elected, by State: 1980 to 1986

[In thousands, except percent. D = Democratic, R = Republican]

DIVISION AND STATE	1980		1982		1984		1986		Candidate elected at most recent election
	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	Total vote [1]	Percent leading party	
N. Eng.:									
ME	(x)	(x)	460	D–61.1	(x)	(x)	427	R–39.9	John R. McKernan
NH	384	D–59.0	283	R–51.4	384	R–66.8	251	R–53.7	John H. Sununu
VT	210	R–58.6	169	R–55.0	234	D–50.0	197	D–47.0	Madeleine M. Kunin
MA	(x)	(x)	2,050	D–59.5	(x)	(x)	1,684	D–68.7	Michael S. Dukakis
RI	406	D–73.7	337	D–73.3	408	R–60.0	323	R–64.7	Edward DiPrete
CT	(x)	(x)	1,084	D–53.3	(x)	(x)	994	D–57.9	William A. O'Neill
Mid. Atl.:									
NY	(x)	(x)	5,255	D–50.9	(x)	(x)	4,294	D–64.6	Mario M. Cuomo
NJ [2]	2,317	R–49.5	(x)	(x)	1,973	R–69.6	(x)	(x)	Thomas H. Kean
PA	(x)	(x)	3,664	R–50.8	(x)	(x)	3,388	D–50.7	Robert Casey
E. No. Cent.:									
OH	(x)	(x)	3,357	D–59.0	(x)	(x)	3,067	D–60.6	Richard F. Celeste
IN	2,178	R–57.7	(x)	(x)	2,198	R–52.2	(x)	(x)	Robert D. Orr
IL	(x)	(x)	3,674	R–49.4	(x)	(x)	3,144	R–52.7	James R. Thompson
MI	(x)	(x)	3,040	D–51.4	(x)	(x)	2,397	D–68.1	James J. Blanchard
WI	(x)	(x)	1,580	D–56.7	(x)	(x)	1,527	R–52.7	Tommy G. Thompson
W. No. Cent.:									
MN	(x)	(x)	1,790	D–58.6	(x)	(x)	1,416	D–55.8	Rudy Perpich
IA	(x)	(x)	1,038	R–52.8	(x)	(x)	911	R–51.9	Terry E. Branstad
MO	2,086	R–52.6	(x)	(x)	2,106	R–56.7	(x)	(x)	John Ashcroft
ND	303	R–53.8	(x)	(x)	314	D–55.3	(x)	(x)	George Sinner
SD	(x)	(x)	279	R–70.9	(x)	(x)	294	R–51.8	George S. Mickelson
NE	(x)	(x)	548	D–50.6	(x)	(x)	564	R–52.9	Kay Orr
KS	(x)	(x)	763	D–53.2	(x)	(x)	841	R–51.9	Mike Hayden
So. Atl.:									
DE	225	R–70.6	(x)	(x)	244	R–55.5	(x)	(x)	Michael N. Castle
MD	(x)	(x)	1,139	D–62.0	(x)	(x)	1,101	D–82.4	William D. Schaefer
VA [3]	1,421	D–53.5	(x)	(x)	1,343	D–55.2	(x)	(x)	Gerald L. Baliles
WV	742	D–54.1	(x)	(x)	742	R–53.3	(x)	(x)	Arch A. Moore
NC	1,847	D–61.9	(x)	(x)	2,227	R–54.3	(x)	(x)	James G. Martin
SC	(x)	(x)	672	D–69.8	(x)	(x)	754	R–51.0	Carroll Campbell
GA	(x)	(x)	1,169	D–62.8	(x)	(x)	1,175	D–70.5	Joe Frank Harris
FL	(x)	(x)	2,889	D–64.7	(x)	(x)	3,386	R–54.8	Bob Martinez
E. So. Cent.:									
KY [3]	939	D–59.4	(x)	(x)	1,031	D–54.5	(x)	(x)	Martha Layne Collins
TN	(x)	(x)	1,239	R–59.6	(x)	(x)	1,210	D–54.2	Ned McWherter
AL	(x)	(x)	1,129	D–57.6	(x)	(x)	1,236	R–56.3	Guy Hunt
MS [3]	677	D–61.1	(x)	(x)	743	D–55.1	(x)	(x)	William A. Allain
W. So. Cent.:									
AR	639	R–51.9	789	D–54.7	867	D–62.6	669	D–63.9	Bill Clinton
LA	[4] 1,372	[4] R–50.3	(x)	(x)	[4] 1,616	[4] 62.3	(x)	(x)	Edwin Edwards
OK	(x)	(x)	883	D–62.1	(x)	(x)	910	R–47.5	Henry Bellmon
TX	(x)	(x)	3,191	D–53.2	(x)	(x)	3,441	R–52.7	William P. Clements
Mt.:									
MT	360	D–55.4	(x)	(x)	379	D–70.3	(x)	(x)	Ted Schwinden
ID	(x)	(x)	327	D–50.6	(x)	(x)	387	D–49.9	Cecil D. Andrus
WY	(x)	(x)	169	D–63.1	(x)	(x)	165	D–54.0	Mike Sullivan
CO	(x)	(x)	956	D–65.7	(x)	(x)	1,059	D–58.2	Roy Romer
NM	(x)	(x)	407	D–53.0	(x)	(x)	395	R–53.0	Garrey E. Carruthers
AZ	(x)	(x)	726	D–62.5	(x)	(x)	867	R–39.7	Evan Mecham
UT	600	D–55.2	(x)	(x)	630	R–55.9	(x)	(x)	Norman H. Bangerter
NV	(x)	(x)	240	D–53.4	(x)	(x)	260	D–71.9	Richard H. Bryan
Pac.:									
WA	1,731	R–56.7	(x)	(x)	1,869	D–53.3	(x)	(x)	Booth Gardner
OR	(x)	(x)	1,042	R–61.4	(x)	(x)	1,060	D–51.9	Neil Goldschmidt
CA	(x)	(x)	7,877	R–49.3	(x)	(x)	7,444	R–60.5	George Deukmejian
AK	(x)	(x)	195	D–46.1	(x)	(x)	180	D–47.3	Steve Cowper
HI	(x)	(x)	312	D–45.2	(x)	(x)	334	D–52.0	John Waihee

X Not applicable. [1] Includes minor party and scattered votes. [2] Voting years 1981 and 1985. [3] Voting years 1979 and 1983. [4] Dec. 1979 vote. [5] Primary election, Oct. 1983, held on a non-party basis. Winner was Democratic.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Digitized by Google

No. 413. Composition of State Legislatures, by Political Party Affiliation: 1980 to 1986

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem. = Democratic; Rep. = Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators]

STATE	LOWER HOUSE								UPPER HOUSE							
	1980 [1 3]		1982 [2 4]		1984 [5 6]		1986 [7 8]		1980 [3 9]		1982 [5 10]		1984 [5 11]		1986 [7 12]	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	3,289	2,190	3,429	2,006	3,136	2,316	3,284	2,172	1,182	742	1,210	725	1,187	753	1,179	759
AL [13]	100	4	97	8	87	12	69	18	35	–	32	3	28	4	30	5
AK [14]	22	16	19	21	21	18	24	18	11	9	9	11	9	11	8	12
AZ [13]	17	43	21	39	22	38	24	36	14	16	12	16	12	16	11	19
AR [14]	93	7	93	7	91	9	91	9	34	1	32	3	31	4	31	4
CA [14]	46	32	48	32	47	33	44	36	23	17	25	14	25	15	23	15
CO [14]	26	39	25	40	16	47	25	40	13	22	14	21	11	24	10	25
CT [13]	83	68	67	64	66	85	92	59	22	13	23	13	12	24	25	11
DE [14]	16	25	24	17	19	22	19	22	12	9	13	8	13	8	13	8
FL [14]	81	39	64	36	77	43	75	45	27	13	32	8	32	8	25	15
GA [13]	156	23	156	24	154	26	153	27	51	5	49	7	47	9	46	10
HI [14]	39	12	43	8	40	11	40	10	17	8	20	5	21	4	20	5
ID [13]	14	56	19	51	17	57	20	64	12	23	14	21	14	28	18	26
IL [14]	86	91	70	48	87	51	67	51	30	29	33	26	31	26	31	28
IN [14]	35	63	43	57	39	61	48	52	15	35	18	32	20	30	19	30
IA [14]	42	58	60	40	60	40	58	42	22	26	28	22	29	21	30	20
KS [13]	53	72	53	72	49	76	51	74	16	24	16	24	18	24	18	24
KY [14]	75	24	76	24	74	26	73	26	29	9	28	10	28	10	29	9
LA [13]	95	10	93	11	91	14	61	22	39	–	38	1	38	1	34	5
ME [13]	84	67	92	59	85	66	86	65	16	17	23	10	24	11	20	15
MD [13]	125	15	124	17	124	17	124	17	40	7	41	8	41	8	40	7
MA [13]	128	31	129	29	126	34	127	33	32	7	33	7	32	8	32	8
MI [14]	64	46	63	47	57	53	64	46	24	14	20	18	16	19	18	20
MN [14]	70	64	77	57	65	69	83	51	45	22	42	25	42	24	47	20
MS [13]	115	4	116	5	118	6	115	7	48	4	49	3	49	3	47	4
MO [14]	111	52	110	53	108	55	111	52	23	10	22	12	21	13	21	13
MT [14]	43	57	55	45	50	50	49	51	21	29	24	26	28	22	25	25
NE	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)	(15)
NV [14]	26	14	23	19	17	25	29	13	15	5	17	4	13	8	9	12
NH [13]	160	238	158	237	102	297	132	266	10	13	9	15	6	18	8	16
NJ [14]	43	37	44	36	30	50	30	49	22	18	23	17	23	17	23	17
NM [14]	41	29	48	24	42	26	47	23	22	20	23	19	21	21	21	21
NY [13]	86	63	97	52	94	56	92	56	25	35	26	35	26	35	25	36
NC [13]	95	24	102	18	82	38	84	36	40	10	44	6	38	12	40	10
ND [14]	27	73	55	51	42	84	45	81	10	40	21	32	24	29	27	26
OH [14]	54	45	62	37	58	40	60	39	15	18	17	16	15	18	15	18
OK [14]	73	28	78	25	66	32	70	31	37	11	34	14	34	14	30	17
OR [14]	33	27	36	24	34	26	31	29	22	8	21	9	18	12	17	13
PA [14]	100	103	103	100	103	100	103	100	23	25	23	27	23	27	23	26
RI [13]	82	18	65	15	77	21	80	20	43	7	29	21	36	12	36	12
SC [14]	107	17	103	20	96	27	92	32	41	5	39	8	36	10	36	10
SD [13]	21	49	16	54	13	57	22	48	10	25	9	26	10	25	11	24
TN [13]	57	39	60	37	62	37	61	38	20	12	22	11	23	10	23	10
TX [13]	114	35	114	36	98	52	94	56	23	7	26	5	25	8	25	6
UT [13]	17	58	17	58	14	61	27	48	7	22	5	24	8	23	8	21
VT [13]	64	86	85	83	72	78	74	75	14	16	13	17	18	12	19	11
VA [14]	66	33	65	34	65	33	65	33	31	9	32	8	31	8	31	9
WA [14]	42	56	54	44	53	45	61	37	24	25	26	23	27	22	25	24
WV [14]	78	22	87	13	73	27	78	22	27	7	31	3	30	4	27	7
WI [13]	59	39	59	40	52	47	54	45	19	14	19	14	19	14	20	11
WY [14]	23	39	25	38	18	46	20	44	11	19	11	19	11	19	11	19

– Represents zero. [1] Excludes 1 Independent each for MD, MA, and VA; 2 Independents each for MS and TN; 2 Libertarians for AK; 1 vacancy each for AL, GA, KY, MS, NY, NC, TN, TX, and WI; and 2 vacancies each for IN and NH. [2] Status as of late 1981; includes elections held and vacancies filled in 1981. [3] Status as of August 1983, except for KY, LA, MS, NJ, and VA which are as of Jan. 1984 and reflect elections held in 1983. [4] Excludes 1 Independent each for LA, TN, VA, and WY; 2 Independents for NH; 1 vacancy each for MS, NY, SC, and TN; 2 vacancies each for MA and VT; and 3 vacancies for NH. [5] Status as of Jan. 1985, except for NJ and VA which are as of Jan. 1986 and reflect elections held in 1985. [6] Excludes 1 Independent each for RI; 2 Independents for VA; 5 Independents for AL; 1 Libertarian for AK; and 1 vacancy each for AL, NH, OH, RI, and SC. [7] Status as of January 1987. [8] Excludes 1 Independent for VT; 2 Independents for VA; 2 Liberals for NY; 1 vacancy each for HI, KY, and NJ; and 2 vacancies for LA. [9] Excludes 1 Independent each for MA and TN; 1 vacancy each for CT, MO, NH, and TX; and 2 vacancies for PA. [10] Excludes 1 Independent for CA and 1 vacancy for SC. [11] Excludes 3 Independents for AL, and 1 vacancy each for MI, MN, and VA. [12] Excludes 1 Independent each for CA and MS; 1 vacancy each for CA, IN, OK, and PA; and 2 vacancies for WI. [13] Members of both houses serve 4-year terms. [14] Upper House members serve 4-year terms and Lower House members serve 2-year terms. [15] Members of both houses serve 2-year terms. [16] Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1980–1984 *Book of the States*, and its *Supplement I*, both biennial; 1986, *State Elective Officials and the Legislature, 1987–88*. (Copyright.)

Digitized by Google

No. 414. Political Party Control of State Legislatures, by Party: 1961 to 1987

[As of **beginning of year.** Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—		
	Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control
1961	27	8	15	1971	23	9	16	1981	28	6	15
1963	25	7	16	1973	27	6	16	1983 [1]	34	4	11
1965	32	10	6	1975	37	7	5	1985	27	11	11
1967	24	8	16	1977	36	8	5	1986	26	12	11
1969	20	8	20	1979	30	7	12	1987	28	12	9

[1] Two 1984 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1984 election, therefore, Democrats controlled 33 legislatures.

Source: National Conference of State Legislatures, Denver, CO, *State Legislatures*, January 1987.

No. 415. Black Elected Officials, by Office, 1970 to 1987, and by Region and State, 1987

[As of **January 1987**, no Black elected officials had been identified in Idaho, Montana, or North Dakota. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total	U.S. and State legislatures [1]	City and county officials [2]	Law enforcement [3]	Education [4]
1970 (Feb.)	1,479	179	719	213	368
1971 (Mar.)	1,870	216	909	274	471
1972 (Mar.)	2,275	224	1,112	263	676
1973 (Apr.)	2,635	256	1,266	334	777
1974 (Apr.)	3,007	256	1,607	340	804
1975 (Apr.)	3,522	299	1,885	387	951
1976 (Apr.)	4,006	299	2,284	415	1,008
1977 (July)	4,342	316	2,509	451	1,066
1978 (July)	4,544	318	2,616	458	1,154
1979 (July)	4,636	315	2,675	491	1,155
1980 (July)	4,963	326	2,871	534	1,232
1981 (July)	5,109	343	2,914	559	1,293
1982 (July)	5,241	342	3,017	573	1,309
1983 (July)	5,719	366	3,283	620	1,430
1984 (Jan.)	5,865	396	3,367	657	1,445
1985 (Jan.)	6,312	407	3,689	685	1,531
1986 (Jan.)	6,384	410	3,800	676	1,498
1987 (Jan.)	**6,646**	**428**	**3,949**	**727**	**1,542**
Region:					
Northeast	706	77	273	102	256
Midwest	1,275	94	727	141	313
South	4,287	226	2,848	386	827
West	376	31	101	98	146
N. Eng	**120**	**26**	**62**	**3**	**29**
Maine	3	–	1	–	2
New Hampshire	1	1	–	–	–
Vermont	1	1	–	–	–
Massachusetts	36	7	20	–	9
Rhode Island	11	6	3	–	2
Connecticut	68	11	36	3	16
Mid. Atl	**588**	**51**	**211**	**99**	**227**
New York	250	24	51	49	126
New Jersey	188	8	111	1	78
Pennsylvania	140	19	49	49	23
E. No. Cent	**1,053**	**70**	**586**	**118**	**277**
Ohio	214	14	123	30	47
Indiana	69	8	49	3	9
Illinois	434	25	267	26	116
Michigan	316	19	140	55	102
Wisconsin	20	4	9	4	3
W. No. Cent	**222**	**24**	**139**	**23**	**36**
Minnesota	12	1	4	5	2
Iowa	9	1	3	1	4
Missouri	164	17	116	14	17
South Dakota	3	–	3	–	–
Nebraska	5	1	1	–	3
Kansas	29	4	12	3	10
So. Atl	**1,951**	**120**	**1,344**	**96**	**291**
Delaware	21	3	13	–	5
Maryland	119	28	68	18	5
District of Columbia	251	1	242	–	8
Virginia	123	10	103	10	–
West Virginia	20	1	16	3	–
North Carolina	353	16	248	23	66
South Carolina	340	20	200	5	115
Georgia	445	29	323	18	75
Florida	179	12	131	19	17
E. So. Cent	**1,213**	**61**	**793**	**152**	**207**
Kentucky	74	2	53	6	13
Tennessee	143	14	87	19	23
Alabama	448	24	324	40	60
Mississippi	548	21	329	87	111
W. So. Cent	**1,223**	**45**	**711**	**136**	**329**
Arkansas	319	5	181	40	93
Louisiana	505	19	301	64	121
Oklahoma	117	5	86	3	23
Texas	282	16	143	31	92
Mt	**50**	**12**	**16**	**10**	**12**
Wyoming	3	1	1	–	1
Colorado	15	4	3	5	3
New Mexico	6	1	2	2	1
Arizona	15	3	7	–	5
Utah	1	–	–	1	–
Nevada	10	3	3	2	2
Pac	**326**	**19**	**85**	**88**	**134**
Washington	19	3	6	4	6
Oregon	10	3	4	2	1
California	293	12	74	82	125
Alaska	3	1	1	–	1
Hawaii	1	–	–	–	1

– Represents zero. [1] Includes elected State administrators. [2] County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. [3] Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. [4] Members of State education agencies, college boards, school boards and other.

Source: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Roster*, annual. (Copyright.)

Digitized by Google

NO. 416. HISPANIC PUBLIC OFFICIALS, 1986, AND STATE LEGISLATORS, 1983 TO 1986

[For States not shown, no Hispanic State legislators had been identified. For composition of regions, see fig. I, inside front cover]

PUBLIC OFFICE	Both sexes	WOMEN		REGION, DIVISION, AND STATE	State legislators	DIVISION AND STATE	State legislators	DIVISION AND STATE	State legislators
		Number	Percent of total						
Total	3,191	492	15	1983 (July)	108	Mid. Atl	9	W. So. Cent	26
				1985 (Sept.)	115	NY	7	LA	2
Governor	1			1986 (Sept.):		NJ	1	TX	24
State executives	4	14	12	U.S	116	PA	1		
State legislators	118							Mt	56
				Region:		E. No. Cent	3	MT	2
County officials	304	75	25	Northeast	11	IN	1	CO	9
Municipal officials	1,048	138	13	Midwest	7	IL	2	NM	32
				South	34			AZ	12
Judicial/law				West	64	W. No. Cent	4	UT	1
enforcement	530	42	8			MN	1		
Education/school				N. Eng	2	KS	3	Pac	8
boards	1,188	223	19	CT	1			CA	7
				RI	1	So. Atl	8	HI	1
						FL	8		

Source: National Association of Latino Elected and Appointed Officials, Washington, DC, unpublished data.

NO. 417. WOMEN HOLDING STATE AND LOCAL PUBLIC OFFICES, BY OFFICE AND STATE: 1975 TO 1987

[For data on women in U.S. Congress, see table 409]

PUBLIC OFFICE	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
State legislature	604	770	763	908	911	991	996	1,103	1,101	1,166
Percent of total legislators	8.0	10.3	10.2	12.1	12.2	13.3	13.3	14.8	14.8	15.5
County governing boards	456	947	1,144	1,205	1,397	1,427	1,478	(NA)	(NA)	[1] 1,566

STATE	Statewide elective office,[2] [3] 1987	State legislature,[2] 1987	County governing boards, 1987	Mayors and municipal council members, 1985	STATE	Statewide elective office,[2] [3] 1987	State legislature,[2] 1987	County governing boards, 1987	Mayors and municipal council members, 1985
U.S	43	1,166	1,566	14,672	Mississippi	–	4	8	176
					Missouri	2	31	17	–
Alabama	1	8	7	281	Montana	1	23	18	110
Alaska	–	12	13	233	Nebraska	1	9	27	241
Arizona	3	21	[4] 9	87	Nevada	1	10	10	15
Arkansas	2	9	71	365	New Hampshire	–	138	8	113
California	1	17	[4] 63	465	New Jersey	–	12	14	451
Colorado	2	28	[4] 18	315	New Mexico	1	11	17	86
Connecticut	1	41	(x)	240	New York	–	23	[4] 124	797
					North Carolina	–	24	51	337
Delaware	1	10	[4] 3	57					
District of					North Dakota	–	20	[4] 11	174
Columbia	(x)	(x)	(x)	7	Ohio	1	14	24	1,129
Florida	1	33	[4] 41	311	Oklahoma	1	12	5	312
Georgia	–	26	22	251	Oregon	2	16	14	344
Hawaii	–	15	[4] 9	3	Pennsylvania	–	16	[4] 24	–
Idaho	1	26	13	141	Rhode Island	1	24	(x)	30
Illinois	–	32	[4] 134	–	South Carolina	–	13	[4] 36	184
Indiana	2	19	10	–	South Dakota	1	21	[4] 16	149
					Tennessee	–	12	[4] 99	144
Iowa	2	22	35	732					
Kansas	1	31	[4] 24	445	Texas	1	17	27	786
Kentucky	4	8	17	–	Utah	–	8	1	137
Louisiana	–	8	18	183	Vermont	1	44	(x)	67
Maine	–	53	[4] 3	243	Virginia	1	10	[4] 43	211
Maryland	–	39	[4] 21	133	Washington	–	37	13	341
Massachusetts	1	37	4	217	West Virginia	–	21	13	202
Michigan	1	22	123	2,779	Wisconsin	–	28	246	–
Minnesota	2	31	37	542	Wyoming	2	22	5	86

– Represents zero. NA Not available. X Not applicable. [1] Contains 1986 data for 17 States. [2] As of August. [3] Excludes women elected to the judiciary and women appointed to State cabinet-level positions. [4] 1986 data.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, information releases.

Digitized by Google

No. 418. Voting-Age Population, and Percent Reporting Registered and Voted: 1972 to 1986

[As of November. Covers civilian noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix III) and differ from those in table 419 based on population estimates and official vote counts]

Characteristic	Voting-age population (mil.)								Percent reporting they registered								Percent reporting they voted							
									Presidential election years				Congressional election years				Presidential election years				Congressional election years			
	1972	1974	1976	1978	1980	1982	1984	1986	1972	1976	1980	1984	1974	1978	1982	1986	1972	1976	1980	1984	1974	1978	1982	1986
Total	136.2	141.3	146.5	151.6	157.1	165.5	170.0	173.9	72.3	66.7	66.9	66.3	62.2	62.6	64.1	64.3	63.0	59.2	59.2	59.9	44.7	45.9	48.5	46.0
18–20 years old	11.0	11.6	12.1	12.2	12.3	12.1	11.2	10.7	58.1	47.1	44.7	47.0	36.4	34.7	35.0	35.4	48.3	38.0	35.7	36.7	20.8	20.1	19.8	18.6
21–24 years old	13.6	14.1	14.8	15.5	15.9	16.7	16.7	15.7	59.5	54.8	52.7	54.3	45.3	45.1	47.8	48.6	50.7	45.6	43.1	43.5	26.4	26.2	26.4	24.2
25–34 years old	26.9	29.3	31.7	33.4	35.7	38.8	40.3	41.9	68.4	62.3	62.0	63.3	54.7	55.5	57.1	55.8	59.7	55.4	54.8	54.5	37.0	36.0	40.4	35.1
35–44 years old	22.2	22.4	22.8	24.2	25.6	28.1	30.7	33.0	74.8	69.8	70.6	70.9	66.7	66.7	67.5	67.9	66.3	63.3	64.4	63.5	49.1	50.1	52.2	49.3
45–64 years old	42.3	43.0	43.3	43.4	43.6	44.2	44.3	44.8	79.7	75.5	75.8	76.6	73.6	74.3	75.6	74.8	70.8	68.7	69.3	69.8	56.9	58.5	62.2	58.7
65 years old and over	20.1	21.0	22.0	23.0	24.1	25.6	26.7	27.7	75.6	71.4	74.6	76.9	70.2	72.8	75.2	76.9	63.5	62.2	65.1	67.7	51.4	55.9	59.9	60.9
Male	63.8	66.4	69.0	71.5	74.1	78.0	80.3	82.4	73.1	67.1	66.8	67.3	62.8	62.8	63.7	63.4	64.1	59.6	59.1	59.0	46.2	46.6	48.7	45.8
Female	72.4	74.9	77.6	80.2	83.0	87.4	89.6	91.5	71.6	66.4	67.1	69.3	61.7	62.5	64.4	65.0	62.0	58.8	59.4	60.8	43.4	45.3	48.4	46.1
White	121.2	125.1	129.3	133.4	137.7	143.6	146.8	149.9	73.4	68.3	68.4	69.6	63.5	63.8	65.6	65.3	64.5	60.9	60.9	61.4	46.3	47.3	49.9	47.0
Black	13.5	14.2	14.9	15.6	16.4	17.6	18.4	19.0	65.5	58.5	60.0	66.3	54.9	57.1	58.1	64.0	52.1	48.7	50.5	55.8	33.8	37.2	43.0	43.2
Hispanic [1]	5.6	6.1	6.6	6.8	8.2	8.8	9.5	11.8	44.4	37.8	36.3	40.1	34.9	32.9	35.3	35.9	37.4	31.8	29.9	32.6	22.9	23.5	25.3	24.2
Region: [2]																								
Northeast	(NA)	33.3	33.9	35.1	35.5	36.4	36.9	37.3	(NA)	65.9	64.8	66.6	62.2	62.3	62.5	62.0	(NA)	59.5	58.5	59.7	48.7	48.1	49.8	44.4
Midwest	(NA)	38.1	39.2	40.3	41.5	41.9	42.1	42.8	(NA)	72.3	73.8	74.6	66.6	66.2	71.1	70.7	(NA)	65.1	65.8	65.7	49.3	50.5	54.7	49.5
South	42.6	44.8	47.1	48.8	50.6	55.4	57.6	59.2	68.7	64.6	64.8	66.9	59.8	60.1	61.7	63.0	55.4	54.9	55.6	56.8	36.0	39.6	41.8	43.0
West	(NA)	25.0	26.2	27.5	29.5	31.9	33.4	34.6	(NA)	63.2	63.3	64.7	59.8	59.1	60.6	60.8	(NA)	57.5	57.2	58.5	48.1	47.5	50.7	48.4
School years completed:																								
8 years or less	28.1	24.4	24.9	23.8	22.7	22.4	20.6	19.8	61.5	54.4	53.0	53.4	54.1	53.2	52.3	50.5	47.4	44.1	42.6	42.9	34.4	34.6	35.7	32.7
High school:																								
1–3 years	22.3	21.7	22.2	22.3	22.5	22.3	22.1	21.4	63.0	55.6	54.6	54.9	54.3	52.9	53.3	52.4	52.0	47.2	45.6	44.4	35.9	35.1	37.7	33.8
4 years	50.7	51.7	55.7	58.4	61.2	65.2	67.8	68.6	74.0	68.9	68.4	67.3	61.9	62.0	62.9	62.9	65.4	59.4	58.9	58.7	44.7	45.3	47.1	44.1
College:																								
1–3 years	19.3	23.7	23.8	25.1	26.7	28.8	30.9	33.0	81.7	75.2	74.4	75.7	66.9	66.7	70.0	70.0	74.9	68.1	67.2	67.5	49.8	51.5	53.3	49.9
4 years or more	15.9	19.8	20.2	22.2	24.0	26.9	28.6	31.3	87.8	83.7	84.3	83.8	76.0	76.9	79.4	77.8	83.6	79.8	79.9	79.1	61.3	63.9	66.5	62.5
Employed	80.2	83.1	86.0	93.2	95.0	97.2	104.2	108.5	74.3	68.8	68.7	69.4	63.8	63.0	65.5	64.4	66.0	62.0	61.8	61.8	46.8	46.7	50.0	45.7
Unemployed	3.7	5.0	6.4	4.9	6.9	10.8	7.4	6.6	58.7	52.1	50.3	54.3	44.4	44.1	49.8	50.6	49.9	43.7	41.2	44.0	26.8	27.4	34.1	31.2
Not in labor force	52.3	53.2	54.1	53.5	55.2	57.5	58.4	58.8	70.3	65.2	65.8	66.1	61.3	63.4	64.3	65.4	59.3	56.5	57.0	58.9	43.0	46.2	48.7	48.2

NA Not available. [1] Hispanic persons may be of any race. [2] For composition of regions, see fig. I, inside front cover.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 414 and earlier reports.

No. 419. Participation in Elections for President and U.S. Representatives: 1960 to 1986

[As of **November.** Estimated resident population 21 years old and over, 1960–1970, except as noted, and 18 and over thereafter; includes Armed Forces. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST				YEAR	Resident population (incl. aliens) of voting age [1] (1,000)	VOTES CAST			
		For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population			For President (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population
1960	109,672	68,838	62.8	64,133	58.5	1974	146,338	(x)	(x)	52,495	35.9
1962	112,952	(x)	(x)	51,267	45.4	1976	152,308	81,556	53.5	74,422	48.9
1964	114,090	70,645	61.9	65,895	57.8	1978	158,369	(x)	(x)	55,332	34.9
1966	118,638	(x)	(x)	52,908	45.4	1980	164,595	86,515	52.6	77,995	47.4
1968	120,285	73,212	60.9	66,288	55.1	1982	169,939	(x)	(x)	64,514	38.0
1970	124,498	(x)	(x)	54,173	43.5	1984	174,447	92,653	53.1	83,231	47.7
1972	140,777	77,719	55.2	71,430	50.7	1986	178,335	(x)	(x)	59,619	33.4

X Not applicable. [1] Population 18 and over in Georgia and Kentucky, 19 and over in Alaska and 20 and over in Hawaii, 1960–1970.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 948 and earlier reports; and press release (CB86-65); and Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

No. 420. Statewide Primaries—Votes Cast and Percent of Voting-Age Population Casting Votes, Selected Races: 1986

[Races selected are those races where the nominee received a 15 percent or less plurality over the closest opponent. Maryland was included due to the presence of two other strong candidates whose combined vote fell within 15 percent of the nominee]

STATE	Voting-age population (1,000)	Race [1]	Party [2]	Votes cast (1,000)	Percent of voting-age population casting votes	STATE	Voting-age population (1,000)	Race [1]	Party [2]	Votes cast (1,000)	Percent of voting-age population casting votes
AL	2,949	Gov	Dem	940	31.9	MI	8,633	Gov	Rep	582	8.8
AK	373	Gov	Dem	63	17.0	MN	3,096	Gov	Dem	511	16.5
		Gov	Rep	84	22.5	NE	1,177	Gov	Dem	145	12.3
AZ	2,399	Gov	Dem	211	8.8	NM	1,035	Gov	Rep	89	8.6
		Gov	Rep	226	9.4	NY	13,472	Sen	Dem	497	3.7
CA	19,811	Sen	Rep	1,986	10.0	OH	7,891	Gov	Rep	731	9.3
CO	2,432	Gov	Rep	188	7.7	OK	2,445	Gov	Dem	517	21.2
FL	9,111	Gov	Dem	1,007	11.0	OR	2,016	Sen	Dem	296	14.7
IL	8,490	Sen	Rep	484	5.7	PA	9,023	Sen	Dem	915	10.1
KS	1,609	Gov	Rep	276	15.3	SC	2,467	Sen	Rep	52	2.1
		Sen	Dem	116	6.4	SD	509	Sen	Rep	116	22.9
KY	2,728	Sen	Rep	42	1.5			Gov	Dem	72	14.1
MD	3,333	Sen	Dem	622	18.7	WI	3,515	Sen	Dem	266	7.6

[1] Gov = governorship. Sen = senatorial. [2] Dem = Democratic. Rep = Republican.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '85-'86.*

No. 421. Voter Registration in 11 Southern States, by Race: 1960 to 1986

[**In thousands, except percent.** Covers population 18 years old and over]

YEAR AND RACE	Total	AL	AR	FL	GA	LA	MS	NC	SC	TN	TX	VA
1960: White	24,981	1,700	1,056	4,331	1,800	1,550	1,152	2,314	916	2,200	6,020	1,942
Black	4,254	350	130	489	450	465	330	440	320	300	620	360
Percent of—												
White voting age pop	71.9	81.4	76.9	67.7	63.0	74.8	98.9	70.1	58.5	78.5	75.1	62.2
Black voting age pop	55.8	55.8	57.2	58.3	48.6	60.7	62.3	51.3	53.7	64.0	58.0	53.2
1962: White	22,868	1,657	954	4,200	1,907	1,491	1,055	2,161	862	1,998	4,753	1,820
Black	4,302	437	145	500	487	468	340	436	321	310	548	330
1964: [1] White	27,999	[2] 1,828	[2] 1,097	4,983	2,102	1,701	[2] 1,211	2,622	1,005	[2] 2,217	[2] 7,090	[2] 2,203
Black	5,597	[2] 516	[2] 171	591	594	561	[2] 459	819	389	[2] 362	[2] 870	[2] 464
1986: [3] White	[2] 27,028	[2] 1,807	[2] 1,030	4,677	1,990	1,580	[2] 1,193	2,468	932	[2] 2,186	[2] 7,068	[2] 2,097
Black	[2] 5,450	[2] 509	[2] 157	576	576	551	[2] 450	585	371	[2] 358	[2] 875	[2] 442
Percent of—												
White voting age pop	69.9	77.5	67.2	66.9	62.3	67.8	91.6	67.4	53.4	70.0	79.0	60.3
Black voting age pop	60.8	68.9	57.9	58.2	52.8	60.6	70.8	58.4	52.5	65.3	68.0	56.2

[1] As of October, except Arkansas as of November. [2] Estimated. [3] As of August.

Source: Voter Education Project, Inc., Atlanta, GA, *Voter Registration in the South*, semiannual.

Digitized by Google

No. 422. Resident Population of Voting-Age and Percent Casting Votes—States: 1976 to 1988

[As of **November**. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, aliens, and institutional population. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Voting age population (1,000)								Percent casting votes for presidential electors			Percent casting votes for U.S. representatives		
	1976	1980	1982	1984	1986	1988, proj.			1976	1980	1984	1982	1984	1986
						Total	Percent— Black	Percent— Hispanic [1]						
U.S	152,308	164,595	169,939	174,467	178,482	182,626	11.2	7.1	53.5	52.6	53.1	38.0	47.7	33.4
Region:														
Northeast	35,354	36,287	36,903	37,522	37,997	38,402	10.1	5.7	55.2	52.9	54.6	39.7	51.1	32.6
Midwest	40,248	42,194	42,670	43,180	43,610	43,952	8.9	2.3	60.0	59.7	58.9	44.7	56.0	38.9
South	49,113	54,556	57,235	59,297	61,060	63,032	16.9	6.2	47.2	47.3	48.6	29.4	38.6	26.9
West	27,592	31,558	33,132	34,469	35,815	37,242	5.2	15.9	53.2	51.7	51.9	42.1	49.3	38.5
N.E	8,711	9,144	9,333	9,559	9,738	9,919	4.0	2.4	61.4	59.8	58.7	44.8	55.5	37.4
ME	759	811	829	854	874	893	.3	.4	63.7	64.5	64.7	54.5	63.5	48.3
NH	593	672	699	734	775	823	.6	.6	57.3	57.1	53.0	38.5	50.8	31.1
VT	397	370	382	392	402	412	.3	.7	55.7	57.7	59.9	43.2	57.6	47.0
MA	4,132	4,278	4,350	4,443	4,497	4,535	4.2	2.5	61.7	59.0	57.6	43.5	52.8	33.4
RI	689	710	720	735	750	764	3.2	2.2	59.7	58.6	55.7	46.2	53.0	40.8
CT	2,201	2,304	2,353	2,401	2,440	2,492	7.1	3.9	62.8	61.0	61.1	45.5	59.7	40.2
M.A	26,643	27,143	27,569	27,963	28,259	28,482	12.3	6.8	53.2	50.6	53.2	37.9	49.6	31.0
NY	12,892	12,933	13,113	13,301	13,406	13,480	14.5	10.3	50.7	48.0	51.2	35.7	46.7	29.1
NJ	5,220	5,422	5,557	5,687	5,812	5,943	12.7	7.3	57.7	54.9	56.6	38.6	52.6	26.7
PA	8,531	8,787	8,899	8,975	9,041	9,060	8.6	1.2	54.2	51.9	54.0	40.8	51.9	36.6
E.N.C	28,469	29,766	30,009	30,322	30,649	30,914	10.8	2.8	59.0	58.7	58.1	43.3	54.8	37.0
OH	7,461	7,744	7,798	7,841	7,908	7,970	10.0	.9	55.1	55.3	58.0	42.7	55.2	38.8
IN	3,892	3,892	3,938	3,993	4,032	4,068	7.5	1.4	60.1	57.6	55.9	45.6	54.6	38.6
IL	7,939	8,235	8,343	8,438	8,501	8,550	14.2	6.6	59.4	57.7	57.1	43.3	54.3	35.5
MI	6,214	6,520	6,497	6,566	6,691	6,791	13.2	1.6	58.8	60.0	57.9	43.2	52.6	34.8
WI	3,163	3,375	3,433	3,485	3,517	3,536	3.9	1.3	66.5	67.4	63.5	42.3	59.5	39.3
W.N.C	11,780	12,428	12,661	12,858	12,961	13,037	4.4	1.2	62.4	62.1	60.9	48.1	58.7	43.4
MN	2,726	2,933	3,001	3,058	3,112	3,161	1.3	.8	71.5	70.0	68.2	58.3	64.6	44.8
IA	2,026	2,099	2,113	2,120	2,098	2,068	1.6	.9	63.1	62.8	62.2	47.5	59.8	42.4
MO	3,408	3,578	3,635	3,708	3,766	3,821	9.7	.9	57.3	58.7	57.3	42.0	55.0	38.0
ND	442	467	485	493	488	483	.5	.5	67.2	64.6	62.7	53.8	62.7	58.6
SD	469	488	498	508	510	509	.4	.5	64.1	67.1	62.6	55.3	62.2	56.9
NE	1,081	1,133	1,157	1,172	1,170	1,167	3.0	1.7	56.2	56.6	55.6	44.9	55.5	47.4
KS	1,628	1,730	1,772	1,798	1,816	1,829	5.2	2.8	58.8	56.6	56.8	42.7	55.3	43.3
S.A	24,586	27,273	28,521	29,737	30,872	32,137	18.8	3.6	46.3	46.2	47.5	29.3	38.8	26.8
DE	412	432	444	459	475	490	16.4	1.5	57.2	54.7	55.5	42.4	52.9	33.9
MD	2,920	3,080	3,164	3,260	3,372	3,491	23.9	1.7	49.3	50.0	51.4	34.5	45.9	31.5
DC	525	495	491	489	488	489	64.8	3.1	32.2	35.4	43.1	22.9	33.1	26.0
VA	3,613	3,930	4,080	4,235	4,377	4,544	17.8	1.6	47.0	47.5	50.7	32.7	43.4	23.8
WV	1,314	1,400	1,421	1,422	1,412	1,398	2.9	.4	57.2	52.7	51.8	38.5	49.5	28.0
NC	3,907	4,274	4,424	4,593	4,738	4,913	20.2	.6	43.0	43.4	47.4	29.9	47.0	33.2
SC	1,993	2,215	2,305	2,382	2,452	2,534	27.3	.6	40.3	40.4	40.7	28.5	39.0	29.2
GA	3,494	3,870	4,041	4,231	4,430	4,665	24.4	.9	42.0	41.3	42.0	22.4	35.9	24.0
FL	6,408	7,578	8,152	8,665	9,127	9,614	11.8	9.4	49.2	48.7	48.2	[2] 27.1	[2] 28.1	[2] 23.5
E.S.C	9,624	10,399	10,659	10,861	11,068	11,284	17.8	.4	47.8	49.5	50.2	32.6	41.6	30.5
KY	2,434	2,596	2,656	2,697	2,724	2,746	6.9	.4	48.0	49.9	50.8	26.4	44.0	23.1
TN	3,033	3,323	3,406	3,490	3,568	3,661	14.7	.4	48.7	48.7	49.1	34.5	37.7	31.0
AL	2,554	2,757	2,826	2,892	2,947	3,010	23.2	.5	46.3	48.7	49.9	34.0	39.7	37.9
MS	1,603	1,723	1,771	1,802	1,830	1,867	31.4	.4	48.0	51.8	52.2	36.2	48.2	28.6
W.S.C	14,904	16,884	18,055	18,679	19,120	19,610	13.4	13.9	48.4	47.8	49.5	27.6	36.9	25.1
AR	1,502	1,628	1,667	1,706	1,732	1,761	13.6	.6	51.1	51.5	51.8	45.6	[2] 27.1	38.5
LA	2,623	2,919	3,064	3,129	3,157	3,175	27.5	2.3	48.7	53.0	54.5	16.9	20.5	12.4
OK	1,990	2,207	2,371	2,408	2,405	2,404	6.0	2.1	54.9	52.1	52.2	36.1	46.1	[2] 30.1
TX	8,789	10,130	10,952	11,436	11,826	12,270	11.2	21.1	46.3	44.8	47.2	26.0	40.9	25.5
Mt	6,834	8,067	8,580	8,967	9,311	9,691	2.4	12.3	55.8	53.9	52.8	41.6	50.5	40.3
MT	519	580	578	591	588	586	.2	1.2	63.3	65.0	65.0	54.7	62.8	54.1
ID	567	646	668	686	693	701	.5	4.0	60.7	67.7	59.9	48.0	59.0	54.3
WY	267	332	355	364	352	351	.7	4.9	58.8	53.2	53.3	44.9	53.1	45.4
CO	1,808	2,123	2,268	2,353	2,414	2,489	3.6	10.6	58.8	55.8	55.0	41.7	53.0	42.2
NM	783	900	957	1,002	1,045	1,101	1.6	36.0	53.4	50.8	51.3	41.3	49.9	36.9
AZ	1,611	1,970	2,118	2,268	2,437	2,605	2.4	14.5	46.1	44.4	45.2	33.6	41.6	33.0
UT	791	935	985	1,023	1,051	1,078	.7	4.2	58.4	64.6	61.6	49.7	58.8	40.8
NV	457	602	652	691	732	780	5.9	7.3	44.2	41.2	41.6	35.9	39.2	35.1
Pac	20,758	23,491	24,553	25,502	26,504	27,552	6.2	17.2	52.4	51.0	51.6	42.3	48.6	37.9
WA	2,601	3,040	3,143	3,226	3,323	3,417	2.3	3.0	59.8	57.3	58.4	41.6	56.0	39.0
OR	1,879	1,929	1,955	1,984	2,018	2,051	1.4	2.6	61.3	61.2	61.9	51.9	60.6	51.1
CA	15,598	17,548	18,408	19,181	20,015	20,875	7.5	21.6	50.4	48.9	49.6	41.2	46.7	36.0
AK	257	277	316	351	366	385	3.3	2.2	48.1	57.3	59.3	57.0	58.8	49.2
HI	624	697	729	758	784	824	1.8	6.3	46.7	43.5	44.3	40.9	36.4	42.2

[1] Hispanic persons may be of any race. [2] State law does not require tabulation of votes for unopposed candidates.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 948 and forthcoming report; votes cast from Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

Digitized by Google

No. 423. Voter Registration—Registered Voters, 1980 to 1986, and Registration Deadlines and Residency Requirements, 1986

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate]

STATE	1980		1984		1986			Registered voters				Votes cast [4]	
								Total [3]					
	Registered voters (1,000)	Percent registered of voting age population	Registered voters (1,000)	Percent registered of voting age population	Registration deadline [1]	Residency requirement [2]	Number (1,000)	Percent of voting-age population	Democrats, percent of total registered	Republicans, percent of total registered	Number (1,000)	Percent of registered voters
U.S.	[5] 114,802	[5] 69.8	[5] 126,997	[5] 72.8	(X)	(X)	[5] 121,089	[5] 67.9	(NA)	(NA)	64,903	53.2
AL	2,132	77.4	2,343	81.0	B	G	2,362	80.1	(NA)	(NA)	1,236	52.3
AK	259	94.0	305	87.7	D	H	292	78.4	22.3	21.0	181	61.9
AZ	1,121	57.1	1,463	64.8	D	H	1,596	68.6	43.0	45.4	867	54.3
AR	1,186	72.9	1,268	74.4	C	E	1,189	66.8	(NA)	(NA)	695	58.5
CA	11,361	64.8	13,074	68.5	C	G	12,834	64.8	50.8	38.3	7,444	58.0
CO	1,434	67.6	1,621	69.1	C	H	1,822	74.9	31.0	33.1	1,061	58.2
CT	1,706	74.1	1,808	75.0	C	F	1,673	66.4	40.1	26.6	994	59.4
DE	301	69.7	314	68.6	C	E	296	63.2	44.5	34.6	161	54.2
DC	269	58.5	275	56.3	D	H	282	58.4	80.2	8.1	132	46.7
FL	4,810	63.6	5,574	64.6	D	H	5,631	61.8	57.1	36.2	3,430	60.9
GA	2,377	61.4	2,732	64.6	D	F	2,576	58.5	(NA)	(NA)	1,225	47.6
HI	403	57.9	419	55.3	D	E	420	53.7	(NA)	(NA)	334	79.6
ID	561	90.1	582	84.5	B	H	550	78.0	(NA)	(NA)	387	70.4
IL	6,220	75.7	6,470	78.7	C	H	6,004	70.7	(NA)	(NA)	3,144	52.4
IN	2,944	75.7	3,054	76.4	C	H	2,878	71.4	(NA)	(NA)	1,556	54.0
IA	1,717	81.9	1,729	81.5	B	E	1,622	76.7	35.3	31.2	911	56.2
KS	1,291	74.7	1,291	72.1	C	G	1,173	64.8	29.1	41.2	841	71.7
KY	1,759	67.8	2,023	75.0	D	H	1,999	73.3	66.1	28.7	677	33.9
LA	2,015	69.1	2,262	72.4	C	E	2,179	66.4	78.2	13.5	1,370	62.9
ME	760	93.6	611	94.7	A	E	790	90.4	(NA)	(NA)	427	54.0
MD	2,065	67.0	2,253	69.1	C	F	2,140	64.2	67.4	25.1	1,113	52.0
MA	3,153	73.7	3,254	73.0	C	F	3,006	66.4	(NA)	(NA)	1,684	56.0
MI	5,726	67.7	5,869	69.4	D	E	5,791	67.3	(NA)	(NA)	2,397	41.4
MN	2,353	80.3	2,893	94.9	A	G	2,615	84.4	(NA)	(NA)	1,416	54.1
MS	1,482	66.1	1,670	92.6	D	H	1,652	90.1	(NA)	(NA)	524	31.7
MO	2,841	79.5	2,969	80.3	C	E	2,769	74.0	(NA)	(NA)	1,477	53.3
MT	496	58.7	527	89.6	D	H	444	74.6	(NA)	(NA)	318	71.6
NE	856	75.6	903	77.2	B	E	850	72.2	42.3	51.2	564	66.4
NV	297	49.4	356	52.0	D	H	368	50.8	50.0	42.9	262	71.3
NH	523	77.9	544	74.1	B	G	551	72.1	30.4	36.7	251	45.6
NJ	3,766	69.5	4,073	71.3	C	H	3,777	65.0	(NA)	(NA)	1,554	41.1
NM	653	72.6	651	65.4	D	E	633	61.1	(NA)	(NA)	395	62.4
NY	7,898	61.1	9,044	67.7	D	H	8,071	59.9	(NA)	(NA)	4,294	53.2
NC	2,775	65.0	3,271	71.1	C	H	3,081	64.9	68.6	27.2	1,591	51.6
ND	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	289	(X)
OH	5,887	76.1	6,358	80.9	D	H	5,987	75.9	(NA)	(NA)	3,121	52.1
OK	1,458	66.2	1,950	81.2	B	E	2,018	82.6	67.1	30.3	910	45.1
OR	1,569	81.4	1,609	80.8	B	G	1,502	74.5	48.5	39.1	1,060	70.5
PA	5,754	65.5	6,194	68.9	D	H	5,847	64.8	53.5	41.4	3,386	57.9
RI	531	74.9	542	73.5	D	H	525	70.0	(NA)	(NA)	323	61.5
SC	1,236	55.8	1,396	58.4	D	H	1,299	52.6	(NA)	(NA)	754	58.0
SD	448	91.9	443	87.9	C	E	428	84.1	43.1	48.8	296	69.1
TN	2,149	64.6	2,580	73.9	D	G	2,446	68.6	(NA)	(NA)	1,210	49.5
TX	6,640	65.6	7,900	69.2	D	H	7,287	61.3	(NA)	(NA)	3,441	47.2
UT	782	83.3	840	82.1	C	H	783	72.1	(NA)	(NA)	435	57.0
VT	312	84.3	322	82.2	C	E	328	81.7	(NA)	(NA)	197	60.0
VA	2,302	58.7	2,552	60.2	D	E	2,610	59.6	(NA)	(NA)	1,043	40.0
WA	2,182	71.9	2,458	76.1	D	H	2,230	67.2	(NA)	(NA)	1,337	60.0
WV	1,035	74.0	1,025	71.6	D	H	946	65.9	66.8	31.0	396	41.8
WI	(*)	(*)	(*)	(*)	A	G	(*)	(*)	(*)	(*)	1,527	(X)
WY	219	66.1	240	67.8	D	F	235	65.4	32.8	57.6	165	70.0

NA Not available. X Not applicable. [1] A = Election day registration. B = Registration closes 10 days or less before election. C = Registration closes 11–29 days before election. D = Registration closes 30 or more days before election. [2] E = No residency requirement. F = Voter must be bonafide resident (no time requirement). G = Residency for 10–29 days before election required. H = Residency for 30 or more days before election required. [3] Includes voters registered with other parties and with no party (independents), not shown separately. [4] Number shown represents the highest number of votes cast for the Senatorial election, the gubernatorial election or all races for the U.S. House of Representatives. [5] Estimate based on actual registration statistics from the States which keep registration records. Percentages are the actual percentages of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. [6] North Dakota does not require registration. [7] No statewide registration.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '80–'81, '84–'85,* and *'86–'87.*

Digitized by Google

No. 424. Presidential Campaign Finances—Primary Campaign Receipts and Disbursements and Federal Funds for General Election: 1979–1980 and 1983–1984

[**In millions of dollars.** Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

Receipts and disbursements	Primary campaign						General election—net federal funds distributed			
	1979–1980 [1]			1983–1984 [2]			1979–1980		1983–1984	
	Total	Democratic	Republican	Total [3]	Democratic	Republican	Candidate	Amount	Candidate	Amount
Receipts, total [4]	**94.2**	**35.6**	**58.5**	**105.0**	**77.5**	**27.1**	**Total**	**62.7**	**Total**	**80.8**
Individual contributions	61.0	23.9	37.1	62.8	46.2	16.4	Anderson [5]	4.2	Mondale	40.4
Federal matching funds	30.9	10.3	20.5	34.9	24.6	10.1	Carter	29.4	Reagan	40.4
Disbursements	92.3	35.6	56.7	103.6	77.4	25.9	Reagan	29.2		

[1] Covers 10 candidates who received Federal matching funds (Democrats: Edmund Brown, James Carter, Edward Kennedy, and Lyndon LaRouche; Republicans: John Anderson, Howard Baker, George Bush, Philip Crane, Robert Dole, and Ronald Reagan). [2] Covers 11 candidates who received Federal matching funds (Democrats: Reubin Askew, Alan Cranston, John Glenn, Gary Hart, Ernest Hollings, Jesse Jackson, Lyndon LaRouche, George McGovern and Walter Mondale; Republican: Ronald Reagan; Citizens Party: Sonia Johnson). [3] Includes Citizens Party candidate not shown separately. [4] Includes other types of receipts, not shown separately. [5] John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were 17.6 million dollars and total expenditures were 15.6 million dollars.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity 1979–1980, Final Report, Presidential Pre-Nomination Campaigns*, October 1981; November 15, 1981 press release on public financing 1980 Presidential election; and *FEC Reports on Financing Activity, 1983–84, Final Report: Presidential Pre-Nomination Campaigns*, April 1986; June 4, 1986 press release on final 1984 Presidential statistical report.

No. 425. Independent Expenditures for Presidential and Congressional Campaigns: 1979–1980 to 1985–1986

[**In thousands of dollars.** Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

Type of office	All parties			Democrats		Republicans		Others	
	Total	For	Against	For	Against	For	Against	For	Against
1979–1980, total	**16,084**	**13,893**	**2,191**	**441**	**2,057**	**13,180**	**123**	**272**	**11**
President	13,745	12,933	813	123	737	12,538	65	272	11
Congress	2,339	961	1,378	318	1,321	642	58	(Z)	(NA)
Senate	1,654	359	1,295	127	1,283	232	12	(NA)	(NA)
House of Representatives	685	602	83	191	38	410	45	(Z)	(NA)
1983–1984, total	**23,419**	**19,951**	**3,468**	**1,693**	**1,015**	**18,257**	**2,453**	**(NA)**	**(NA)**
President	17,468	16,637	831	806	487	15,830	344	1	(NA)
Congress	5,951	3,313	2,638	887	528	2,427	2,109	(NA)	(NA)
Senate	4,627	2,134	2,493	326	410	1,808	2,082	(NA)	(NA)
House of Representatives	1,325	1,180	145	561	118	619	27	(NA)	(NA)
1985–1986, total [1]	**8,709**	**7,450**	**1,259**	**3,333**	**829**	**4,110**	**430**	**6**	**(Z)**
Senate	4,673	3,765	908	960	598	2,805	310	(NA)	(NA)
House of Representatives	4,035	3,685	351	2,373	230	1,305	120	6	(Z)

NA Not available. Z Less than $500. [1] Excludes some independent expenditures made for and against Presidential candidates that were paid in 1985–86 but related to 1983–84 elections.

Source: U.S. Federal Election Commission, *1979–80 FEC Index of Independent Expenditures*, November 1981; *1983–1984 FEC Index of Independent Expenditures*, July 1985; 1985–86 data, unpublished.

No. 426. Political Action Committees—Number by Committee Type: 1974 to 1986

[As of **December 31, except 1975 as of November 24**]

Year	Total	Corporate	Labor	Trade/membership/health	Nonconnected	Cooperative	Corporation without stock
1974	608	89	201	318			
1975	722	139	226	357			
1976	1,146	433	224	489			
1977	1,360	550	234	438	110	8	20
1978	1,653	785	217	453	162	12	24
1979	2,000	950	240	514	247	17	32
1980	2,551	1,206	297	576	374	42	56
1981	2,901	1,329	318	614	531	41	68
1982	3,371	1,469	380	649	723	47	103
1983	3,525	1,538	378	643	793	51	122
1984	4,009	1,682	394	698	1,053	52	130
1985	3,992	1,710	388	695	1,003	54	142
1986	4,157	1,744	384	745	1,077	56	151

Source: U.S. Federal Election Commission, press release January 12, 1987.

Digitized by Google

No. 427. Contributions to Congressional Campaigns by Political Action Committees (PAC) by Type of Committee: 1979 to 1986

[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated]

Type of committee	House of Representatives						Senate					
	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]	Total	Democrats	Republicans	Incumbents	Challengers	Open seats [1]
1979–1980, total [2]	**37.9**	**20.5**	**17.2**	**24.9**	**7.9**	**5.1**	**17.3**	**8.4**	**9.0**	**8.8**	**6.8**	**2.1**
Corporate	12.2	4.8	7.5	8.1	2.6	1.5	6.9	2.1	4.8	2.7	3.3	.9
Trade association [3]	11.7	5.1	6.6	8.0	2.2	1.5	4.1	1.9	2.2	2.2	1.4	.5
Labor	9.4	8.9	.4	6.6	1.5	1.2	3.8	3.4	.4	2.7	.7	.4
Non-connected [4]	3.1	.9	2.1	1.0	1.4	.7	1.9	.5	1.4	.5	1.1	.3
1981–1982, total [2]	**61.1**	**34.2**	**26.8**	**40.8**	**10.9**	**9.4**	**22.8**	**11.2**	**11.4**	**14.3**	**5.2**	**3.0**
Corporate	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association [3]	16.8	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.3	.5
Non-connected [4]	7.4	3.9	3.5	3.4	2.5	1.6	3.3	1.8	1.7	1.5	1.3	.5
1983–1984, total [2]	**75.7**	**46.3**	**29.3**	**57.2**	**11.3**	**7.2**	**29.7**	**14.9**	**15.8**	**17.9**	**6.3**	**5.4**
Corporate	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association [3]	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	.9	1.0
Labor	19.8	18.8	1.0	14.3	3.5	2.0	5.0	4.7	.3	1.8	2.3	1.2
Non-connected [4]	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985–1986, total [2]	**87.2**	**54.8**	**32.5**	**65.8**	**9.1**	**12.3**	**45.0**	**20.0**	**25.0**	**23.6**	**10.1**	**11.3**
Corporate	26.8	12.8	14.0	22.8	1.0	3.0	19.1	4.8	14.4	11.7	2.6	4.8
Trade association [3]	23.4	12.2	11.1	19.3	1.3	2.8	9.4	3.7	5.7	5.7	1.6	2.1
Labor	22.6	21.0	1.6	14.7	4.3	3.6	7.2	6.6	.6	2.2	3.1	1.9
Non-connected [4]	11.1	8.6	4.5	8.1	2.6	2.6	7.6	4.2	3.4	3.1	2.4	2.1

[1] Elections in which an incumbent did not seek re-election. [2] Includes other types of political action committees not shown separately. [3] Includes membership organizations and health organizations. [4] Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1979–1980, Final Report, U.S. Senate and House Campaigns*, March 1982; *FEC Reports on Financial Activity, 1981–1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983–1984, Final Report, U.S. Senate and House Campaigns*, November 1985; and FEC press release May 21, 1987.

No. 428. Congressional Campaign Finances—Receipts and Disbursements: 1981 to 1986

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1981–1982 relates to 1,957 House of Representatives candidates and to 283 Senate candidates; for 1983–1984 to 1,782 House of Representatives candidates and 254 Senate candidates; for 1985–1986 to 1,606 House of Representatives candidates and 262 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign]

Item	House of Representatives						Senate					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1981–1982	1983–1984	1985–1986	1981–1982	1983–1984	1985–1986	1981–1982	1983–1984	1985–1986	1981–1982	1983–1984	1985–1986
Total receipts [1]	**213.2**	**222.5**	**257.4**	**100.0**	**100.0**	**100.0**	**141.5**	**174.7**	**214.0**	**100.0**	**100.0**	**100.0**
Contributions:												
$500 and over	34.0	37.5	(NA)	15.9	16.8	(NA)	36.6	44.0	(NA)	25.9	25.2	(NA)
Party committee	6.1	5.5	3.7	2.8	2.5	1.4	1.2	1.1	1.4	.8	.6	.6
Non-party committee	61.1	75.7	87.2	28.6	34.0	33.9	22.6	29.7	45.0	15.9	17.0	21.0
Democrats	108.8	121.4	139.5	51.1	54.6	54.2	69.0	84.2	91.8	48.8	48.2	42.9
Republicans	104.1	100.5	117.8	48.8	45.2	45.7	72.1	90.3	122.2	51.0	51.7	57.1
Others	.3	.5	.3	.1	.2	.1	.4	.2	(Z)	.3	.1	(Z)
Incumbents	110.8	132.4	149.8	51.9	59.5	58.1	55.1	74.8	90.3	38.9	42.8	42.2
Challengers	53.7	55.5	49.1	25.2	25.0	19.1	48.0	38.9	66.9	33.9	22.3	31.3
Open seats [2]	48.9	34.6	58.4	22.9	15.5	22.7	38.4	61.0	56.7	27.1	34.9	26.5
Total disbursements	**204.0**	**203.6**	**239.0**	**100.0**	**100.0**	**100.0**	**138.4**	**170.5**	**211.1**	**100.0**	**100.0**	**100.0**
Democrats	103.1	111.0	128.4	50.5	54.5	53.7	66.9	82.0	88.9	48.3	48.1	42.1
Republicans	100.8	91.8	110.3	49.3	45.1	46.2	71.1	88.3	122.1	51.4	51.8	57.9
Others	.3	.7	.3	.2	.3	.1	.4	.2	(Z)	.3	.1	(Z)
Incumbents	102.8	114.9	132.4	50.3	56.5	55.4	52.9	72.1	89.2	38.2	42.3	42.3
Challengers	53.1	54.7	48.8	26.1	26.9	20.4	47.6	38.3	66.0	34.4	22.5	31.3
Open seats [2]	48.2	33.9	57.5	23.6	16.7	24.1	37.9	60.1	55.8	27.4	35.3	26.5

NA Not available. Z Less than $100,000. [1] Includes other types of receipts, not shown separately. [2] Elections in which an incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, 1981–1982, Final Report, U.S. Senate and House Campaigns*, October 1983; *FEC Reports on Financial Activity, 1983–84, Final Report, U.S. Senate and House Campaigns*, November 1985; and FEC press release May 21, 1987.

Digitized by Google



Section 9

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series; employment data in the GE series. There is also a series of quarterly reports covering tax revenue, and of finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 289).

Governmental units.—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 429, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

Finances.—Unless otherwise stated, financial data relate to fiscal years ending in the year shown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal years Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1963, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1962 and earlier years are for fiscal years ended during the calendar year.

Digitized by Google

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in six States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part- time as well as full-time personnel. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

NO. 429. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1952 [1]	1957 [1]	1962	1967	1972	1977	1982	1987
Total	155,116	116,807	102,392	91,237	81,299	78,269	79,913	81,831	83,217
U.S. Government	1	1	1	1	1	1	1	1	1
State government	48	50	50	50	50	50	50	50	50
Local governments	155,067	166,756	102,341	91,186	81,248	78,218	79,862	81,780	83,166
County	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,205
Township and town	18,919	17,202	17,198	17,142	17,105	16,991	16,822	16,734	16,691
School district	108,579	67,355	50,454	34,678	21,782	15,781	15,174	14,851	14,741
Special district	8,299	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,487

[1] Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1967,* vol. 1, No. 1, *Governmental Organization, 1982,* vol. 6, No 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Government Units in 1987,* Preliminary Report, No. 1, *1987 Census of Governments.*

Digitized by Google

No. 430. All Governments—Revenue, Expenditure, and Debt: 1970 to 1985

[For fiscal years ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 505–637 and Y 652–848]

Item and year	All governments (bil. dol.)	Federal [1]		State and local (bil. dol.)			Annual percent change [2]			Per capita [3] (dollars)		
		Total (bil. dol.)	Percent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
Revenue: [4] 1970	[5] 334	206	61.7	[5] 150	89	89	7.5	10.4	9.2	[5] 1,642	1,011	739
1980	[5] 932	565	60.6	[5] 452	277	258	10.6	12.0	11.2	[5] 4,116	2,497	1,994
1984	[5] 1,307	754	57.7	[5] 652	397	366	7.5	9.4	9.1	[5] 5,537	3,193	2,761
1985	[5] 1,418	807	56.9	[5] 720	439	402	7.0	10.6	9.8	[5] 5,941	3,379	3,014
Intergovernmental: 1970	(x)	–	(x)	[5] 22	20	30	–	11.1	11.6	(x)	–	108
1980	(x)	2	(x)	[5] 83	64	102	(z)	12.3	13.0	(x)	8	367
1984	(x)	2	(x)	[5] 97	81	127	(z)	6.1	5.6	(x)	7	410
1985	(x)	2	(x)	[5] 106	90	138	(z)	11.1	8.7	(x)	8	445
General, own sources:												
1970	272	164	60.3	109	58	51	6.5	10.7	8.3	1,342	805	536
1980	717	417	58.2	299	169	130	9.8	11.3	9.8	3,164	1,843	1,321
1984	975	530	54.4	446	249	197	6.2	10.2	11.0	4,130	2,242	1,888
1985	1,050	559	53.2	492	275	216	5.5	10.4	9.6	4,398	2,339	2,059
Taxes: [4] 1970	233	146	62.7	87	48	39	6.6	10.3	8.0	1,146	719	427
1980	574	351	61.1	223	137	87	9.2	11.1	8.4	2,535	1,549	987
1984	735	415	56.5	320	197	123	4.3	9.5	9.0	3,112	1,757	1,356
1985	804	454	56.5	350	215	134	9.4	9.1	8.9	3,367	1,902	1,465
Property: 1970	34	–	(x)	34	1	33	–	–	7.5	168	–	168
1980	68	–	(x)	68	3	66	–	11.6	7.2	302	–	302
1984	96	–	(x)	96	4	93	–	7.5	9.0	408	–	408
1985	104	–	(x)	104	4	100	–	–	7.5	435	–	435
Individual income: 1970	101	90	89.1	11	9	2	8.2	16.2	7.2	498	445	53
1980	286	244	85.3	42	37	5	10.5	15.2	9.6	1,263	1,078	186
1984	361	296	82.0	65	59	6	4.9	12.4	4.7	1,527	1,253	273
1985	401	331	82.5	70	64	6	11.8	8.5	–	1,680	1,386	294
Corporate income:												
1970	37	33	89.2	4	4	(*)	4.6	14.9	(x)	180	162	18
1980	78	65	83.3	13	13	–	7.0	12.5	–	344	285	59
1984	74	57	77.0	17	16	2	−3.2	5.3	(z)	313	241	73
1985	80	61	76.3	19	18	2	7.0	12.5	(z)	337	257	80
Sales or gross receipts: 1970	49	[7] 18	36.7	30	27	3	3.3	9.4	11.6	239	[7] 90	149
1980	112	[7] 32	28.6	80	66	12	5.9	9.7	14.9	494	[7] 141	353
1984	127	[7] 49	38.6	114	96	18	11.2	9.0	10.7	692	[7] 209	483
1985	175	[7] 49	28.0	126	105	21	–	9.4	16.7	735	[7] 206	529
Current charges and miscellaneous: 1970	39	17	43.6	22	9	13	5.4	11.6	10.0	195	86	109
1980	142	67	47.2	75	33	44	14.7	13.9	13.0	629	294	335
1984	240	114	47.5	126	53	73	14.2	12.6	13.1	1,018	485	532
1985	246	104	42.3	141	61	82	−8.8	15.1	12.3	1,031	437	594
Expenditures: [4] 1970	[5] 333	206	62.5	[5] 148	85	93	7.9	10.3	8.8	[5] 1,638	1,024	728
1980	[5] 959	617	64.3	[5] 434	258	261	11.5	11.7	10.9	[5] 4,232	2,725	1,916
1984	[5] 1,428	928	65.0	[5] 661	352	359	10.7	8.1	8.3	[5] 6,047	3,930	2,543
1985	[5] 1,581	1,032	65.3	[5] 658	391	391	11.2	11.1	8.9	[5] 6,622	4,323	2,756
Intergovernmental: 1970	(x)	23	(x)	[9] –	29	1	12.6	12.4	(z)	(x)	114	–
1980	(x)	91	(x)	[9] 2	85	2	14.7	11.4	7.2	(x)	401	6
1984	(x)	98	(x)	[9] 2	108	4	2.2	6.2	18.9	(x)	419	7
1985	(x)	107	(x)	[9] 2	122	4	8.1	13.0	–	(x)	449	8
Direct: [4] 1970	333	185	55.6	148	56	92	7.5	9.8	9.0	1,638	910	728
1980	959	526	54.8	432	173	259	11.0	11.9	10.9	4,232	2,324	1,909
1984	1,428	829	58.1	599	243	356	12.0	8.9	8.3	6,047	3,511	2,536
1985	1,581	925	58.5	656	269	387	11.6	10.7	8.7	6,622	3,874	2,748
Current operation: 1970	197	99	50.3	98	31	67	8.2	12.0	9.5	969	488	482
1980	517	209	40.4	308	108	200	7.8	13.3	11.6	2,283	924	1,359
1984	759	325	42.8	434	157	277	11.7	9.6	8.5	3,212	1,376	1,836
1985	833	360	43.2	472	172	300	10.8	9.6	8.3	3,488	1,509	1,979
Capital outlay: 1970	48	18	37.5	30	13	16	6	6.4	7.2	234	88	146
1980	99	36	36.4	63	23	40	7.2	5.9	9.6	439	161	278
1984	143	72	50.3	71	25	45	18.9	2.1	3.0	606	307	299
1985	157	77	49.0	80	31	49	6.9	24.0	8.9	657	323	335
Debt outstanding: [4] 1970	514	371	72.2	144	42	102	2.6	8.3	7.2	2,531	1,825	706
1980	1,250	914	73.1	336	122	214	9.4	11.3	7.7	5,516	4,037	1,482
1984	2,083	1,577	75.7	506	186	320	14.6	11.1	10.6	8,821	6,677	2,144
1985	2,396	1,827	76.3	569	212	357	15.9	14.0	11.6	10,036	7,655	2,381

– Represents zero. X Not applicable. Z Rounds to zero. [1] Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. [2] Represents average for period of intervals shown; for 1970, change from 1960. For explanation, see Guide to Tabular Presentation. Minus sign (−) indicates decrease. [3] Based on estimated resident population as of July 1; except 1970 based on resident population enumerated as of April 1, 1970, and 1980 based on resident population enumerated as of April 1, 1980. Excludes intergovernmental amounts. [4] Includes other amounts, not shown separately. [5] Duplicative intergovernmental transactions are excluded. [6] Minor amounts included in individual income tax. [7] Includes customs. [8] End of fiscal year.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Historical Statistics on Governmental Finances and Employment* (GC 77(6)–4 and 82(6)–4); and *Governmental Finances*, series GF No. 5, annual.

Digitized by Google

No. 431. All Governments—Revenue and Expenditure, by Level of Government: 1985

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505–637 and Y 652–848]

Source of revenue and type of expenditure	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	Percent		Per capita [1] (dol.)	
					Federal	State and local	Federal	State and local
Revenue	[2] 1,418,328	806,806	438,963	[2] 402,479	100.0	100.0	3,379	3,014
Intergovernment revenue	(X)	1,931	89,887	138,104	.2	14.6	8	445
Revenue from own sources	1,418,328	804,877	349,077	264,374	99.8	85.2	3,371	2,570
General revenue from own sources	1,050,000	558,518	275,468	216,014	69.2	68.3	2,339	2,059
Percent of total revenue	74.0	69.2	62.8	53.7	(X)	(X)	(X)	(X)
Taxes [3]	803,830	454,037	215,320	134,473	56.3	48.6	1,902	1,465
Property	103,757	(X)	3,984	99,772	(X)	14.4	(X)	435
Individual income	401,015	330,916	63,644	6,453	41.0	9.7	1,386	294
Corporation income	80,489	61,331	17,637	1,521	7.6	2.7	257	80
Sales and gross receipts	175,440	49,159	105,325	20,956	6.1	17.5	206	529
Customs duties	12,176	12,176	(X)	(X)	1.5	(X)	51	(X)
General sales and gross receipts	84,292	(X)	69,629	14,663	(X)	11.7	(X)	353
Selective sales and gross receipts [3]	78,972	36,983	35,695	6,293	4.6	5.6	155	176
Motor fuel	25,252	11,614	13,352	286	1.4	1.9	49	57
Alcoholic beverages	8,662	5,376	3,031	255	.7	.5	23	14
Tobacco products	6,926	4,483	4,247	195	.6	.6	19	19
Public utilities	14,945	4,898	6,203	3,845	.8	1.4	21	42
Motor vehicle and operators' licenses	8,177	(X)	7,659	518	(X)	1.1	(X)	34
Death and gift	8,750	6,422	2,328	-	.8	.3	27	10
Charges and misc. general revenue [3]	246,170	104,461	60,148	81,541	12.9	19.7	438	593
Current charges [3]	135,407	60,992	27,590	46,825	7.6	10.3	255	312
National defense and international relations	6,600	6,600	(X)	(X)	.8	(X)	26	(X)
Postal service	26,805	26,805	(X)	(X)	3.3	(X)	112	(X)
Education [3]	21,936	-	15,664	6,272	-	3.0	-	92
School lunch sales	2,616	(X)	10	2,607	(X)	.4	(X)	11
Higher education	17,512	-	15,444	2,068	-	2.4	-	73
Natural resources	14,652	13,612	771	269	1.7	.1	57	4
Hospitals	21,720	109	5,956	15,654	(Z)	3.0	(Z)	91
Sewerage and sanitation	9,573	(X)	3	9,571	(X)	1.3	(X)	40
Parks and recreation	2,159	62	497	1,600	(Z)	.3	(Z)	9
Housing and community development	4,140	2,068	218	1,854	.3	.3	9	9
Air transportation	3,179	61	299	2,818	(Z)	.4	(Z)	13
Water transport and terminals	1,664	522	335	807	.1	.2	2	5
Special assessments	2,111	(X)	89	2,022	(X)	.3	(X)	9
Sale of property	2,782	1,932	175	675	.2	.1	8	4
Interest earnings	48,667	15,563	16,216	17,085	1.9	4.6	65	139
Utility revenue	41,564	(X)	2,948	38,616	(X)	5.8	(X)	174
Liquor stores	3,235	(X)	2,753	482	(X)	.4	(X)	14
Insurance trust revenue	323,529	246,359	67,907	9,262	30.5	10.7	1,032	323
Expenditure	[2] 1,580,997	1,032,131	390,828	[2] 390,880	100.0	100.0	4,323	2,756
Intergovernment expenditure	(X)	107,242	121,571	4,030	10.4	.3	449	6
General revenue sharing	(X)	4,584	(X)	(X)	.4	(X)	19	(X)
Direct expenditure	1,580,997	924,889	269,257	386,851	89.6	99.7	3,874	2,748
General expenditure	1,192,375	640,256	223,562	328,558	62.0	83.9	2,682	2,313
Percent of total expenditure	75.4	62.0	57.2	84.1	(X)	(X)	(X)	(X)
Education [3]	205,894	13,208	53,667	139,019	1.3	29.3	55	807
Elementary and secondary education	131,987	-	1,020	130,967	-	20.1	-	553
Higher education	52,316	-	44,262	8,052	-	7.9	-	219
Public welfare	94,611	25,234	52,688	16,886	2.4	10.6	106	291
Health and hospitals	63,698	14,020	23,211	26,467	1.4	7.5	59	208
Highways	45,856	834	27,167	17,854	.1	6.9	3	189
Police protection	24,386	3,430	3,114	17,843	.3	3.2	14	88
Fire protection	6,917	(X)	(X)	6,917	(X)	1.4	(X)	37
Correction	13,559	720	8,370	4,469	.1	2.0	3	54
Natural resources [4]	71,152	53,635	7,968	9,549	5.2	2.7	225	73
Sewerage and sanitation	17,398	(X)	328	17,070	(X)	2.6	(X)	73
Housing and community development	18,592	8,214	1,034	9,344	.8	1.6	34	43
Governmental administration	37,200	8,309	10,920	17,971	.8	4.4	35	121
Interest on general debt	172,708	140,281	14,982	17,445	13.6	4.9	586	136
Other	418,206	372,371	20,112	25,722	36.1	7.0	1,560	192
Utility expenditure	56,975	(X)	5,364	51,611	(X)	6.7	(X)	239
Liquor stores expenditure	2,623	(X)	2,391	432	(X)	.4	(X)	12
Insurance trust expenditure	328,824	264,633	37,940	6,251	27.6	6.7	1,192	185
By character and object:								
Current operation	832,773	360,281	172,210	300,281	34.9	71.8	1,509	1,979
Capital outlay	156,915	77,014	30,657	49,245	7.5	12.1	323	335
Construction	71,188	10,532	23,877	36,779	1.0	9.2	44	254
Equip., land and existing structures	85,727	66,482	6,780	12,465	6.4	2.9	278	81
Assistance and subsidies	83,387	62,680	12,842	7,865	6.1	3.1	263	87
Interest on debt (general and utility)	179,098	140,281	15,608	23,209	13.6	5.9	586	183
Insurance benefits and repayments	328,824	264,633	37,940	6,251	27.6	6.7	1,192	185
Expenditure for salaries and wages	*357,208*	*120,331*	*70,627*	*166,250*	*11.7*	*36.0*	*504*	*992*

– Represents or rounds to zero. X Not applicable. Z Less than .05 percent or $.50. [1] Based on estimated resident population as of July 1. [2] Aggregates exclude duplicative transactions between levels of government; see source. [3] Includes amounts not shown separately. [4] Includes parks and recreation.

Source: U.S. Bureau of the Census, *Governmental Finances in 1984–85*, series GF 85, No. 5.

Digitized by Google

No. 432. All Governments—Expenditure for Capital Outlay, by Level of Government and by Function: 1970 to 1985

[In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Except for 1962, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 523-524, Y 673-674, Y 740,741, and Y 787-788]

LEVEL AND FUNCTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	**47,519**	**66,622**	**81,056**	**93,156**	**99,386**	**116,499**	**129,637**	**146,728**	**143,107**	**156,915**
Federal Government:										
Total	**17,869**	**21,798**	**36,289**	**39,960**	**36,492**	**48,903**	**62,835**	**80,744**	**72,456**	**77,014**
Annual percent change [1]	– 6.0	4.1	20.9	10.1	– 8.7	34.0	28.5	28.5	– 10.3	6.3
As percent of direct expenditure	9.7	7.5	9.1	8.8	6.9	7.8	8.8	10.3	8.7	8.3
By function:										
National defense [2]	14,027	14,507	26,361	29,502	28,161	39,441	52,958	69,897	60,382	64,154
Education	9	2	58	63	97	1	19	26	58	39
Highways	9	70	85	126	132	115	84	153	187	121
Health and hospitals	166	311	627	579	673	606	827	1,146	1,016	916
Natural resources	1,691	3,416	5,601	5,986	4,046	5,097	4,963	4,500	4,435	4,092
Housing [3]	853	1,059	365	345	317	376	813	1,080	1,471	1,935
Air transportation	234	363	146	238	151	265	115	283	249	785
Water transportation [4]	285	251	341	557	1,003	858	780	634	482	583
All other	595	1,819	2,705	2,564	1,912	2,124	2,478	3,225	4,176	4,389
State and local governments:										
Total	**29,650**	**44,824**	**44,769**	**53,196**	**62,894**	**67,596**	**66,802**	**67,981**	**70,651**	**79,901**
Annual percent change [1]	5.0	8.6	– .9	18.8	18.2	7.5	– 1.2	1.8	3.9	13.1
As percent of direct expenditure	20.0	16.7	13.0	14.0	14.5	13.9	12.8	12.0	11.8	12.2
By function:										
Education [5]	7,621	9,861	8,874	9,505	10,737	11,327	10,855	10,880	11,596	13,477
Higher education	2,705	2,834	2,593	2,781	2,972	3,474	3,696	3,403	3,855	4,629
Elementary and secondary	4,658	6,532	5,709	6,370	7,362	7,441	6,864	7,200	7,258	8,358
Highways	10,762	13,646	12,898	15,567	19,133	19,334	18,178	18,627	20,269	23,900
Health and hospitals	790	1,781	1,878	1,984	2,443	2,559	2,503	2,707	2,380	2,712
Natural resources	789	1,113	643	720	1,052	1,017	1,072	1,311	1,414	1,736
Housing [3]	1,319	1,821	1,439	1,685	2,248	2,689	3,259	2,921	3,104	3,217
Air transportation	691	852	777	966	1,391	1,438	1,374	1,408	1,814	1,875
Water transportation [4]	258	419	317	559	623	878	698	716	585	717
Sewerage	1,385	3,569	4,366	5,619	6,272	6,911	5,922	5,806	5,664	5,926
Parks and recreation [6]	684	1,261	1,552	1,791	2,023	2,072	2,029	2,100	1,962	2,196
Utilities [6]	2,437	4,846	6,597	8,357	9,933	11,562	12,484	12,870	12,599	13,435
Water	1,201	2,111	2,141	2,701	3,335	3,784	3,689	3,821	3,438	4,160
Electric	820	1,485	3,001	3,943	4,572	4,980	5,603	5,292	5,153	5,247
Transit	366	1,203	1,407	1,618	1,921	2,617	3,072	3,615	3,873	3,830
Gas	50	48	47	96	105	181	120	143	135	198
Other	2,915	5,656	5,628	6,443	7,039	7,809	8,427	8,634	9,265	10,711

[1] Change from immediate prior year. [2] Includes international relations and U.S. service schools. [3] Includes community development. [4] Includes terminals. [5] Includes other education. [6] Beginning 1978, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977* and *1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment*; and *Governmental Finances*, series GF No. 5, annual.

No. 433. State and Local Government Receipts and Expenditures in the National Income and Product Accounts: 1970 to 1986

[In billions of dollars. Includes trust accounts transactions. For explanation of national income, see text, p. 403]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Receipts	**135.8**	**239.6**	**355.3**	**390.0**	**425.6**	**449.4**	**487.7**	**540.5**	**579.6**	**618.8**
General, own source	102.1	168.2	247.4	271.6	305.2	329.7	363.0	406.7	437.6	467.4
Personal tax and nontax receipts [1]	23.8	44.7	73.7	82.6	94.5	104.9	116.1	129.8	139.3	149.3
Income taxes	10.9	22.5	36.2	42.6	47.9	51.9	58.3	67.6	71.9	76.3
Nontaxes	8.3	16.3	27.6	31.5	37.5	43.2	47.4	51.3	55.6	60.3
Corporate profits tax accruals	3.7	7.3	13.6	14.5	15.4	14.0	15.9	18.7	20.6	21.3
Indirect business tax and nontax accruals [1]	74.8	116.2	160.1	174.5	195.3	210.8	231.0	258.2	277.9	296.8
Sales taxes	31.6	51.7	77.3	82.9	90.7	96.2	106.6	120.8	130.9	139.8
Property taxes	36.7	53.4	64.4	68.8	77.1	85.3	91.9	99.7	107.1	114.6
Contributions for social insurance	9.2	16.9	27.4	29.7	32.5	35.8	38.5	40.2	42.1	44.5
Federal grants-in-aid	24.4	54.6	80.5	88.7	87.9	83.9	86.2	93.6	99.7	106.9
Expenditures [2]	**134.0**	**235.2**	**327.7**	**363.2**	**381.4**	**414.3**	**440.2**	**475.9**	**516.5**	**561.9**
Purchases of goods and services	119.4	205.9	289.9	322.2	345.9	369.0	391.5	425.3	464.7	503.5
Compensation of employees	71.1	121.1	173.5	192.2	209.3	226.9	241.7	258.5	278.3	299.9
Transfer payments to persons	20.1	38.9	57.2	65.7	73.6	79.9	86.5	93.7	101.5	110.1
Net interest paid [3]	– 1.8	– 4.2	– 11.8	– 17.9	– 20.1	– 24.4	– 26.2	– 28.4	– 30.4	– 31.5
Less: Dividends received	2	9	2.0	1.9	2.3	2.9	2.8	3.5	5.0	5.6
Subsidies [4]	– 3.6	4.5	5.7	5.8	5.6	– 7.3	– 8.8	– 11.3	– 14.2	– 14.6
Surplus	**1.8**	**4.5**	**27.6**	**26.8**	**34.1**	**35.1**	**47.5**	**64.6**	**63.1**	**56.8**
Social insurance funds	6.9	13.1	23.8	27.1	30.0	36.9	43.1	44.8	47.1	49.4
Other	– 5.1	– 8.6	3.8	– .3	4.1	– 1.7	4.4	19.8	16.0	7.4

[1] Includes other items not shown separately, – $40 million in 1980, not shown separately. [2] Includes wage accruals less disbursements of – $135 million in 1979 and enterprises. [3] Interest paid less interest received. [4] Less current surplus of government

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929 to 1982*, and *Survey of Current Business*, July 1987.

Digitized by Google

No. 434. Federal Grants-in-Aid—Summary: 1965 to 1988

[For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

Year	Current dollars: Total grants (bil. dol.)	Current dollars: Annual percent change [1]	Current dollars: Grants to individuals: Total (bil. dol.)	Current dollars: Grants to individuals: Percent of total grants	Current dollars: Grants as percent of—: State-local govt. outlays [2]	Current dollars: Grants as percent of—: Federal outlays	Current dollars: Grants as percent of—: Gross national product	Constant (1982) dollars: Total grants (bil. dol.)	Constant (1982) dollars: Average annual percent change [1]
1965	10.9	7.9	3.7	33.9	15.1	9.2	1.6	35.4	7.5
1970	24.0	18.2	8.6	35.8	19.0	12.3	2.4	61.2	11.6
1975	49.8	14.7	16.4	33.0	22.6	15.0	3.3	87.1	7.3
1977	68.4	15.7	22.2	32.4	25.5	16.7	3.6	103.6	9.1
1978	77.9	13.9	24.2	31.0	26.5	17.0	3.6	109.7	5.9
1979	82.9	6.4	26.9	32.4	25.8	16.5	3.4	106.7	–2.7
1980	91.5	10.4	31.9	34.9	25.8	15.5	3.4	105.9	–.7
1981	94.8	3.6	36.9	39.0	24.7	14.0	3.2	100.7	–4.9
1982	88.2	–7.0	37.9	42.9	21.6	11.8	2.8	88.2	–12.4
1983	92.5	4.9	41.6	45.0	21.3	11.4	2.8	88.8	.7
1984	97.6	5.5	44.3	45.4	21.0	11.5	2.6	90.2	1.6
1985	105.9	8.5	48.1	45.4	21.0	11.2	2.7	93.7	3.9
1986	112.4	6.1	51.4	45.7	20.6	11.4	2.7	95.0	1.4
1987, est	109.9	–2.2	54.2	49.3	19.1	10.8	2.5	90.2	–5.1
1988, est	106.3	–3.3	52.9	49.8	17.1	10.4	2.3	84.1	–6.8

[1] Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1965, change from 1960. [2] Outlays as defined in the national income and product accounts.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1987 Edition*, based on *Budget of the United States Government*, FY 88, Special Analysis H.

No. 435. Federal Aid to State and Local Governments: 1970 to 1987

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (–) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data]

Type of aid, function, and major program	1970	1975	1980	1982	1983	1984	1985	1986	1987, est.
Grant-in-aid shared revenue	[1] 24,065	49,791	91,451	88,195	92,495	97,577	105,897	112,357	109,879
National defense	37	74	83	68	86	95	157	177	174
Natural resources and environment	411	2,437	5,363	4,872	4,018	3,779	4,069	4,255	3,757
Environmental Protection Agency	194	2,025	4,603	4,079	3,266	2,922	3,197	3,419	2,960
Energy	25	43	499	509	482	534	529	538	431
Agriculture	604	404	569	986	1,822	1,832	2,420	1,932	2,044
Transportation [2]	4,599	5,864	13,087	12,171	13,246	15,013	17,055	18,366	17,544
Airports	63	292	590	339	453	694	789	853	869
Highways	4,395	4,702	9,200	7,903	8,896	10,522	12,841	14,109	12,803
Railroads	–	(Z)	54	80	182	34	35	22	45
Urban mass transit	105	689	3,129	3,782	3,655	3,483	2,797	2,666	3,009
Commerce and housing credit	4	2	3	3	62	2	2	2	1
Community and regional development [3]	1,780	2,842	6,486	5,379	4,962	5,157	5,221	4,861	4,881
Appalachian development	184	306	335	304	262	209	198	154	135
Community development block grants	(x)	38	3,902	3,792	3,554	3,819	3,817	3,326	3,293
Urban renewal	1,054	1,374	214	101	38	24	28	13	–
Education, employment, training, social services [3]	6,417	12,133	21,862	16,589	16,125	16,669	17,817	18,953	18,573
Elementary and secondary education [3]	1,470	2,184	3,370	(x)	(x)	(x)	(x)	(x)	(x)
Compensatory education for the disadvantaged [3]	(x)	(x)	(x)	2,939	2,629	3,067	4,194	3,392	3,097
Special programs and populations [3]	(x)	(x)	(x)	636	509	570	479	576	615
Bilingual education [3]	(x)	(x)	(x)	110	108	112	96	52	112
Federally affected areas impact aid	622	577	622	546	548	567	699	678	760
Vocational and adult education	265	653	814	902	705	719	633	1,008	1,035
Library and learning resources	105	210	158	101	124	80	79	98	186
Work incentives	81	304	383	222	281	259	274	227	110
Social services—block grants to States	574	2,047	2,763	2,568	2,508	2,789	2,743	2,671	2,661
Human development	390	803	1,548	1,531	1,685	1,717	1,807	1,831	1,912
Employment and training assistance	954	2,504	6,191	3,295	3,187	2,555	2,775	3,019	2,885
Temporary employment assistance	(x)	372	1,797	38	46	–15	–19	–	–
Health [3]	3,849	8,810	15,758	18,839	20,224	21,837	24,451	26,823	26,893
Alcohol, drug abuse, and mental health [4]	146	590	679	656	506	501	501	494	640
Medicaid [4]	2,727	6,840	13,957	17,391	18,985	20,061	22,655	24,996	26,700
Income security [3]	5,795	9,352	18,495	21,930	24,758	25,678	27,153	29,070	30,986
Assistance payment program [4]	4,142	5,121	6,888	7,488	7,844	8,311	8,592	9,877	10,606
Food stamps—administration	559	1,136	413	752	629	732	886	966	1,128
Child nutrition and special milk programs [4]	379	1,565	3,388	2,875	3,115	3,361	3,480	3,878	3,982
Housing assistance [4]	436	1,326	3,435	4,894	5,695	5,750	6,407	7,418	8,192
Veterans benefits and services	18	33	90	63	66	68	91	90	103
Administration of justice	42	725	529	187	101	99	95	133	299
General government	49	101	138	252	211	171	182	171	162
General purpose fiscal assistance	430	6,971	6,478	6,347	6,330	6,677	6,656	6,988	2,231
General revenue sharing	(x)	6,130	6,829	4,589	4,614	4,567	4,584	5,114	78

– Represents zero. X Not applicable. Z Less than $500,000. [1] Includes $5 million for international affairs subsequently provided to a private institution. [2] Includes items not shown separately. [3] The 1983 Budget proposed dismantlement of the Dept. of Education (DED). Budget data for elementary and secondary education previously performed by DED are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, special programs and populations, and bilingual education. [4] Includes grants for payments to individuals.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

Digitized by Google

NO. 436. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS—SELECTED PROGRAMS, BY STATE: 1986

[In millions of dollars, except per capita. For fiscal year ending Sept. 30]

DIVISION AND STATE	FEDERAL AID [1]		OE [2] compensatory education [4]	EPA [5] waste treatment facilities construction	HHS [6]		HUD [8]		ETA [10] employment/training	DEPARTMENT OF—	
	Total	Per capita [3] (dol.)			SSA [7]	Medicaid	Lower income housing assistance [9]	Community development		Transportation, highway trust fund	Treasury, general revenue sharing
Total [11]	**112,596**	**460**	**3,390**	**2,960**	**12,419**	**24,903**	**7,517**	**3,326**	**3,019**	**13,968**	**5,113**
N.E.	**6,563**	**515**	**156**	**187**	**770**	**1,693**	**623**	**181**	**136**	**619**	**261**
ME	872	573	15	17	90	190	59	25	13	85	31
NH	404	394	8	29	31	75	31	12	8	59	15
VT	334	617	7	15	41	69	22	5	7	60	13
MA	3,062	528	76	86	370	869	263	83	65	185	140
RI	570	585	13	12	64	151	61	14	12	80	22
CT	1,501	471	37	28	174	339	187	42	31	190	60
M.A.	**21,452**	**575**	**641**	**659**	**2,860**	**6,370**	**1,896**	**726**	**452**	**1,770**	**917**
NY	12,380	697	360	459	1,570	4,384	1,054	384	211	673	509
NJ	3,354	440	114	103	409	700	396	117	89	295	163
PA	5,718	481	167	97	681	1,286	446	225	152	802	245
E.N.C.	**18,437**	**442**	**526**	**619**	**2,707**	**4,436**	**1,222**	**577**	**523**	**1,868**	**990**
OH	4,764	443	122	223	814	1,293	372	152	159	498	214
IN	2,000	363	52	82	158	571	122	81	81	186	102
IL	5,010	434	162	126	620	922	437	184	161	579	235
MI	4,353	478	138	121	878	1,059	175	122	163	397	221
WI	2,310	483	52	67	437	623	116	58	59	208	118
W.N.C.	**7,685**	**437**	**189**	**241**	**820**	**1,585**	**458**	**214**	**181**	**1,302**	**360**
MN	2,110	501	42	52	293	580	132	53	44	297	101
IA	1,158	434	31	37	145	235	44	42	30	176	63
MO	1,982	391	56	64	192	356	124	60	57	340	88
ND	433	638	8	16	29	74	30	7	9	80	15
SD	457	646	10	15	28	75	48	11	10	80	16
NE	861	413	18	14	80	120	37	17	12	132	33
KS	884	359	24	23	73	145	43	24	19	197	44
S.A.	**16,333**	**399**	**548**	**428**	**1,276**	**3,200**	**1,166**	**448**	**432**	**2,225**	**803**
DE	314	495	10	16	23	42	35	7	7	49	14
MD	1,959	439	59	80	191	379	187	46	49	285	97
DC	1,423	2,273	15	1	62	187	91	18	17	48	20
VA	1,995	345	66	45	173	354	169	53	51	358	110
WV	1,063	554	31	40	99	170	53	26	28	234	52
NC	2,281	360	81	45	188	547	173	64	77	264	132
SC	1,322	391	53	44	102	317	77	33	41	141	75
GA	2,732	448	91	59	193	592	186	65	57	397	117
FL	3,244	278	142	98	245	812	215	136	105	449	186
E.S.C.	**7,015**	**461**	**267**	**139**	**418**	**1,546**	**494**	**190**	**228**	**998**	**326**
KY	1,784	479	81	44	141	405	124	42	57	230	82
TN	2,128	443	72	31	112	552	159	59	65	300	90
AL	1,759	434	70	34	81	317	140	52	69	288	86
MS	1,344	512	64	30	82	272	71	37	37	180	68
W.S.C.	**9,787**	**364**	**388**	**221**	**536**	**2,051**	**641**	**313**	**261**	**1,562**	**478**
AR	1,123	474	41	33	55	320	81	22	32	157	52
LA	2,039	453	83	29	143	527	125	46	57	298	95
OK	1,400	423	39	27	98	303	126	42	32	176	63
TX	5,225	313	225	132	242	901	329	201	140	931	268
Mt.	**6,006**	**461**	**137**	**131**	**387**	**720**	**361**	**129**	**154**	**1,223**	**267**
MT	592	723	11	18	40	86	49	8	13	132	22
ID	435	434	10	10	30	81	13	3	13	96	22
WY	471	929	4	14	15	18	7	4	7	96	19
CO	1,220	374	32	21	101	177	66	31	28	231	82
NM	857	579	27	15	52	123	87	20	19	118	37
AZ	1,208	367	35	14	71	70	117	37	49	246	65
UT	807	485	12	17	81	140	21	18	14	189	44
NV	418	434	8	22	17	45	41	8	11	117	18
Pac.	**15,673**	**439**	**415**	**312**	**2,763**	**3,223**	**808**	**452**	**451**	**1,566**	**772**
WA	1,905	427	45	17	279	355	85	41	62	351	85
OR	1,340	497	30	26	131	189	51	28	40	179	81
CA	11,291	419	322	232	2,267	2,553	567	344	325	855	581
AK	664	1,244	8	21	40	49	75	7	12	128	21
HI	473	446	12	16	48	77	30	32	12	53	24
Outlying areas	2,784	753	122	25	85	82	234	94	100	49	-

- Represents zero. [1] Includes other amounts not shown separately. [3] Based on Bureau of the Census estimated resident population as of July 1. [2] Office of Education. [4] For the disadvantaged. [5] Environmental Protection Agency. [6] Department of Health and Human Services. [7] Social Security Administration. Includes Aid to Families With Dependent Children (AFDC), child support enforcement, low income home energy assistance, refugee assistance, State and local training and supplemental security income. [8] Department of Housing and Urban Development. [9] Includes public housing, housing payments (section 8) to public agencies, and college housing, and operating assistance for low rent housing. [10] Employment and Training Administration, Job Training Partnership Act. [11] Includes $859 million undistributed by State (programs shown here which are affected are compensatory education ($−1 million), lower income housing assistance ($−408 million), and highway trust fund ($785 million)).

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 1986.*

Digitized by Google

No. 437. State and Local Governments—Summary of Finances: 1980 to 1985

[For fiscal year ending in year shown, see text, section 9. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709]

Source of revenue and type of expenditure	Total (mil. dol.)			Per capita (dol.) [1]			Percent distribution		
	1980	1984	1985	1980	1984	1985	1980	1984	1985
Revenue [2]	451,537	651,997	719,609	1,993	2,761	3,014	100.0	100.0	100.0
From Federal Government	83,029	96,935	106,158	366	410	445	18.4	14.9	14.8
Public welfare	24,921	35,845	39,081	110	152	164	5.5	5.5	5.4
Highways	8,980	10,614	12,993	40	45	54	2.0	1.6	1.8
Education	14,435	15,351	16,758	64	65	70	3.2	2.4	2.3
Employment security administration	2,056	2,616	2,605	9	11	11	.5	.4	.4
Revenue sharing	6,844	4,541	4,556	30	19	19	1.5	.7	.6
Other and unallocable	25,793	27,969	30,164	114	118	126	5.7	4.3	4.2
From State and local sources	368,509	555,062	613,451	1,627	2,350	2,570	81.6	85.1	85.2
General, net intergovernmental	299,293	445,794	491,482	1,321	1,888	2,059	66.3	68.4	68.3
Taxes	223,463	320,194	349,793	986	1,356	1,465	49.5	49.1	48.6
Property	68,499	98,457	103,757	302	408	435	15.2	14.8	14.4
Sales and gross receipts	79,927	114,097	126,281	353	483	529	17.7	17.5	17.5
Individual income	42,080	64,529	70,097	186	273	294	9.3	9.9	9.7
Corporation income	13,321	17,141	19,158	59	73	80	3.0	2.6	2.7
Other	19,636	27,970	30,501	87	118	128	4.3	4.3	4.2
Charges and miscellaneous	75,830	125,600	141,689	335	532	593	16.8	19.3	19.7
Utility and liquor stores	25,560	40,614	44,800	113	172	188	5.7	6.2	6.2
Water supply system	6,766	10,467	11,980	30	44	50	1.5	1.6	1.7
Electric power system	11,387	19,614	21,767	50	83	91	2.5	3.0	3.0
Transit system	2,397	3,792	4,244	11	16	18	.5	.6	.6
Gas supply system	1,809	3,501	3,573	8	15	15	.4	.5	.5
Liquor stores	3,201	3,240	3,235	14	14	14	.7	.5	.4
Insurance trust revenue [3]	43,656	68,654	77,170	193	291	323	9.7	10.5	10.7
Employee retirement	25,441	46,180	53,212	112	196	223	5.6	7.1	7.4
Unemployment compensation	13,529	16,759	17,640	60	71	74	3.0	2.6	2.5
Direct expenditure	432,328	598,945	656,108	1,908	2,536	2,748	100.0	100.0	100.0
By function:									
Direct general expenditure [4]	367,340	503,375	552,119	1,621	2,132	2,313	85.0	84.0	84.2
Education [5]	133,211	176,108	192,666	588	746	807	30.8	29.4	29.4
Higher education	33,919	47,613	52,316	150	202	219	7.8	7.9	8.0
Local schools	92,830	120,896	131,967	410	512	553	21.5	20.2	20.1
Highways	33,311	39,419	45,022	147	167	189	7.7	6.6	6.9
Public welfare	45,552	64,709	69,577	201	274	291	10.5	10.8	10.6
Health	8,367	12,277	13,711	37	52	57	1.9	2.0	2.1
Hospitals	23,787	34,142	35,967	105	145	151	5.5	5.7	5.5
Police protection	13,494	19,262	20,956	60	82	88	3.1	3.2	3.2
Fire protection	5,718	8,202	8,917	25	35	37	1.3	1.4	1.4
Natural resources	7,929	7,421	8,357	24	31	35	1.8	1.2	1.3
Sanitation and sewerage	13,214	16,225	17,396	58	69	73	3.1	2.7	2.7
Housing and urban renewal	6,062	9,283	10,378	27	39	43	1.4	1.5	1.6
Parks and recreation	6,520	8,343	9,160	29	35	38	1.5	1.4	1.4
Financial administration	6,719	9,502	10,471	30	40	44	1.6	1.6	1.6
General control	8,697	12,994	14,314	38	55	60	2.0	2.2	2.2
Interest on general debt [6]	14,747	26,696	32,427	65	122	136	3.4	4.8	4.9
Utility and liquor stores [4]	36,191	55,062	59,798	160	233	250	8.4	9.2	9.1
Water supply system	9,228	12,580	14,298	41	53	60	2.1	2.1	2.2
Electric power system	15,016	22,206	25,341	66	94	106	3.5	3.9	3.9
Transit system	7,641	13,191	13,866	34	56	58	1.8	2.2	2.1
Gas supply system	1,715	3,344	3,466	8	14	15	.4	.6	.5
Liquor stores	2,591	2,741	2,823	11	12	12	.6	.5	.4
Insurance trust expenditure [3]	28,797	40,508	44,191	127	172	185	6.7	6.8	6.7
Employee retirement	14,008	22,271	24,414	62	94	102	3.2	3.7	3.7
Unemployment compensation	12,070	14,060	14,995	53	60	63	2.8	2.3	2.3
By character and object:									
Current operation	307,811	433,653	472,492	1,359	1,836	1,979	71.2	72.4	72.0
Capital outlay	62,894	70,651	79,901	278	299	335	14.5	11.8	12.2
Construction	51,492	53,833	60,656	227	228	254	11.9	9.0	9.2
Equipment, land and existing structures	11,402	16,818	19,245	50	71	81	2.6	2.8	2.9
Assistance and subsidies	15,222	19,694	20,707	67	83	87	3.5	3.3	3.2
Interest on debt (general and utility)	17,604	34,439	38,817	78	146	163	4.1	5.7	5.9
Insurance benefits and repayments	28,797	40,508	44,191	127	172	185	6.7	6.8	6.7
Expenditure for salaries and wages	*163,896*	*219,266*	*236,877*	*723*	*928*	*992*	*37.9*	*36.6*	*36.1*
Debt outstanding, end of year	335,803	506,330	568,501	1,481	2,144	2,381	100.0	100.0	100.0
Long-term	322,456	486,369	548,918	1,423	2,060	2,299	96.1	96.1	96.6
Short-term	13,147	19,960	19,583	58	85	82	3.9	3.9	3.4
Long-term debt:									
Issued	42,364	71,621	101,164	187	303	424	12.6	14.1	17.6
Retired	17,404	33,941	43,521	77	144	182	5.2	6.7	7.7

[1] Based on estimated resident population as of July 1; except 1980 based on resident population enumered as of April 1, 1980. [2] Excludes duplicative transactions between State and local governments. [3] Includes amounts not shown separately. [4] Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)," below.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(5)-4) and *Governmental Finances*, series GF No. 5, annual.

Digitized by Google

No. 438. New Issues of Long-Term State and Local Government Securities: 1970 to 1986

[In billions of dollars. Beginning 1982, includes outlying areas]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
All issues, new capital and refunding	18.2	30.8	43.5	48.5	47.7	79.0	85.1	106.0	222.2	150.3
General obligations	11.9	16.0	12.1	14.1	12.4	21.1	21.5	26.7	54.1	43.0
Revenue	6.1	14.5	31.3	34.3	35.3	58.0	63.6	81.3	168.1	107.3
Type of issuer:										
State	4.2	7.4	4.3	5.3	5.3	10.3	9.2	9.1	13.1	13.9
Special district and statutory authority	5.6	12.4	23.4	27.0	27.5	43.3	48.6	64.5	138.6	85.4
Municipalities, counties, townships [1]	8.4	10.7	15.6	16.1	14.9	25.4	27.3	34.3	70.5	51.3
Issues for new capital, total	18.1	29.5	41.5	46.7	46.5	74.8	71.1	95.2	160.0	81.2
Use of proceeds:										
Education	5.0	4.7	5.2	4.6	4.6	6.5	8.2	7.9	16.6	11.3
Transportation	3.2	2.2	2.4	2.6	3.4	6.3	4.4	7.6	12.1	7.5
Roads, bridges	1.5	1.3	1.1	1.1	.9	1.7	1.3	2.0	4.7	4.2
Utilities and conservation	3.5	5.5	8.5	8.0	10.2	14.3	13.5	18.0	27.0	13.8
Electric and gas	.9	1.9	3.5	3.4	6.3	7.1	6.3	6.8	10.9	5.1
Social welfare	1.2	3.9	15.7	19.4	12.1	25.6	25.4	29.4	63.3	12.3
Public housing	.5	1.2	12.1	15.5	5.9	14.9	17.4	19.3	37.2	8.5
Industrial aid	.1	.4	1.7	1.7	3.4	2.9	3.6	15.7	14.1	4.9
Other	5.1	12.8	8.0	10.4	12.8	19.2	16.0	16.6	26.9	31.4

[1] Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances*, periodic, and IDD/PSA Municipal Database.

No. 439. State and Local Governments—Indebtedness and Debt Transactions: 1970 to 1985

[In billions of dollars, except per capita. As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING						LONG-TERM		
	Total	Per capita [1] (dol.)	Long-term			Short-term	Net long-term	Debt issued	Debt retired
			Local [2] schools	Utilities [3]	All other				
1970: Total	143.6	704	31.5	19.6	80.3	12.2	121.7	12.8	7.0
State	42.0	206	3.0	(NA)	35.9	3.1	34.5	3.9	1.9
Local	101.6	498	28.6	19.6	44.4	9.1	87.3	8.9	5.1
1980: Total	335.6	1,482	32.9	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
1984: Total	506.3	2,144	43.2	82.6	360.6	20.0	388.8	71.6	33.9
State	186.4	791	6.5	7.4	169.3	3.2	101.7	29.0	12.6
Local	320.0	1,355	36.7	75.2	191.2	16.8	287.1	42.6	21.4
1985: Total	568.5	2,381	43.8	90.8	414.3	19.6	430.4	101.2	43.5
State	211.9	890	6.7	8.6	193.8	2.8	110.3	41.7	16.4
Local	356.6	1,494	37.1	82.2	220.5	16.8	320.0	59.5	27.2

NA Not available. [1] 1970 and 1980 based on enumerated resident population as of April 1; 1983 and 1984 based on estimated resident population as of July 1. [2] Includes debt for education activities other than higher education. [3] Beginning 1980, data for State governments classified as "utility," rather than in "All other."

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF No. 5, annual, and unpublished data.

No. 440. State and Local Government Revenues from Alcoholic Beverages: 1984 and 1985

[In millions of dollars, except per capita. For fiscal year; see text, section 9]

STATE	REVENUE		Revenue per capita [2] (dol.)	STATE	REVENUE		Revenue per capita [2] (dol.)	STATE	REVENUE		Revenue per capita [2] (dol.)
	Total	Taxes [1]			Total	Taxes [1]			Total	Taxes [1]	
Total, 1984	6,702.3	5,770.2	28								
Total, 1985	**6,962.5**	**6,029.5**	**29**								
AL	137.1	114.6	34	KY	64.2	59.9	17	ND	16.6	14.7	24
AK	15.5	13.8	30	LA	143.2	139.3	32	OH	307.8	200.8	29
AZ	113.3	108.7	36	ME	45.1	23.3	39	OK	66.2	63.7	20
AR	41.3	39.8	18	MD	98.1	81.0	22	OR	67.3	10.9	25
CA	534.4	504.7	20	MA	109.3	101.4	19	PA	291.6	215.7	25
CO	97.0	94.3	30	MI	249.7	181.2	28	RI	27.3	25.9	28
CT	111.8	105.1	35	MN	172.7	156.5	41	SC	142.4	138.1	43
DE	5.7	5.2	9	MS	87.9	67.1	34	SD	20.7	18.4	29
DC	39.1	36.7	69	MO	87.6	83.2	17	TN	181.7	171.0	38
FL	579.7	580.8	51	MT	19.9	13.9	24	TX	497.9	465.2	30
GA	274.9	249.9	46	NE	30.1	27.3	19	UT	49.1	29.8	30
HI	22.1	18.7	21	NV	66.7	64.2	71	VT	19.1	16.8	36
ID	27.3	21.2	27	NH	42.1	10.4	42	VA	186.6	138.7	33
IL	315.2	293.8	27	NJ	156.7	141.0	21	WA	229.3	196.5	52
IN	107.9	100.6	20	NM	38.2	36.2	26	WV	54.2	34.6	28
IA	85.2	36.1	30	NY	496.7	447.0	28	WI	117.4	111.0	25
KS	49.1	47.5	20	NC	207.4	183.0	33	WY	15.0	10.5	30

[1] Excise and sales taxes. [2] Based on estimated resident population as of July 1.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

Digitized by Google

NO. 441. STATE AND LOCAL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT

[In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section 9. Except for 1982, local

YEAR, DIVISION, AND STATE	GENERAL REVENUE										
	Amount from—					Per capita [2] (dol.)				Per $1,000 personal income [3] (dol.)
	Total [1]	Federal Government	Taxes			Current charges	Total		Taxes		
			Total	Property	Other		Amount	Rank	Total	Rank	
1970	130,756	21,857	86,795	34,054	52,741	14,873	643	(x)	427	(x)	178
1975	228,171	47,034	141,465	51,491	89,974	25,588	1,071	(x)	664	(x)	198
1980	382,322	83,029	223,463	68,499	154,964	44,373	1,688	(x)	987	(x)	198
1981	423,404	90,294	244,514	74,969	169,545	50,238	1,869	(x)	1,079	(x)	196
1982	457,654	87,282	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)	190
1983	486,753	90,007	284,436	89,105	195,332	62,625	2,080	(x)	1,216	(x)	178
1984	542,730	96,935	320,194	96,457	223,737	69,022	2,298	(x)	1,356	(x)	175
U.S., 1985	**597,640**	**106,158**	**349,793**	**103,757**	**246,037**	**74,415**	**2,503**	(x)	**1,465**	(x)	**181**
New England:											
Maine	2,648	651	1,545	549	997	242	2,275	32	1,328	29	191
New Hampshire	1,921	385	1,124	691	433	186	1,925	45	1,126	42	129
Vermont	1,351	333	745	284	460	146	2,525	24	1,392	21	208
Massachusetts	15,502	2,957	9,987	3,305	6,682	1,492	2,663	16	1,715	6	163
Rhode Island	2,569	530	1,431	569	862	242	2,654	17	1,479	15	191
Connecticut	8,599	1,252	5,765	2,231	3,533	659	2,709	12	1,816	5	150
Middle Atlantic:											
New York	64,568	11,457	41,500	12,238	29,262	5,850	3,631	4	2,334	4	226
New Jersey	20,700	3,112	13,223	5,423	7,800	2,050	2,737	11	1,749	7	159
Pennsylvania	27,163	5,096	16,414	4,350	12,064	2,491	2,292	30	1,385	22	171
East North Central:											
Ohio	24,229	4,203	14,296	4,017	10,279	3,254	2,255	33	1,331	28	170
Indiana	11,256	1,941	6,493	2,077	4,417	1,869	2,047	41	1,181	40	164
Illinois	27,399	4,970	17,007	6,064	10,943	2,542	2,375	27	1,474	16	161
Michigan	24,491	4,270	14,619	5,825	8,994	3,393	2,695	13	1,609	13	198
Wisconsin	12,463	2,229	7,692	2,715	4,978	1,677	2,610	18	1,611	12	198
West North Central:											
Minnesota	13,023	2,088	7,407	2,083	5,324	1,797	3,106	5	1,767	6	220
Iowa	6,603	1,144	3,839	1,501	2,338	1,076	2,290	31	1,331	27	182
Missouri	9,593	1,857	5,485	1,200	4,284	1,331	1,908	47	1,091	43	144
North Dakota	1,949	409	930	231	699	348	2,846	6	1,357	25	236
South Dakota	1,535	375	738	322	416	181	2,168	37	1,043	45	194
Nebraska	3,721	638	2,010	869	1,140	646	2,317	28	1,251	35	174
Kansas	5,872	869	3,324	1,227	2,097	795	2,397	26	1,357	26	174
South Atlantic:											
Delaware	1,907	293	969	127	842	296	3,067	6	1,558	14	215
Maryland	11,308	1,848	7,153	1,786	5,367	1,110	2,575	21	1,629	11	162
District of Columbia	3,238	1,348	1,574	455	1,119	147	5,172	3	2,515	3	265
Virginia	12,101	1,909	7,460	2,087	5,374	1,788	2,121	36	1,307	30	145
West Virginia	4,008	851	2,328	385	1,943	463	2,069	40	1,203	37	203
North Carolina	12,205	2,332	7,158	1,543	5,616	1,588	1,951	44	1,144	41	168
South Carolina	6,425	1,257	3,601	801	2,800	1,065	1,920	46	1,076	44	161
Georgia	13,455	2,716	7,061	1,761	5,299	2,530	2,251	34	1,181	38	179
Florida	23,940	3,805	13,428	4,295	9,133	4,080	2,106	39	1,181	39	153
East South Central:											
Kentucky	7,295	1,643	3,850	679	3,171	808	1,958	43	1,033	46	181
Tennessee	8,799	1,932	4,742	1,038	3,704	1,470	1,848	50	996	48	164
Alabama	8,068	1,768	3,981	465	3,516	1,476	2,006	42	990	49	186
Mississippi	4,929	1,183	2,398	550	1,849	982	1,886	49	918	51	205
West South Central:											
Arkansas	4,219	944	2,282	409	1,873	558	1,789	51	967	50	171
Louisiana	10,882	1,877	5,818	791	5,027	1,501	2,428	25	1,298	31	215
Oklahoma	7,469	1,151	4,255	745	3,511	1,135	2,244	35	1,289	32	183
Texas	35,579	4,889	20,741	7,626	13,115	4,636	2,173	36	1,267	33	161
Mountain:											
Montana	2,282	524	1,142	521	621	218	2,763	10	1,383	23	252
Idaho	1,915	419	1,027	282	745	288	1,906	48	1,022	47	171
Wyoming	2,684	470	1,313	561	752	252	5,274	2	2,580	2	399
Colorado	8,200	1,198	4,680	1,607	3,073	1,189	2,538	23	1,448	17	171
New Mexico	4,168	887	1,810	217	1,593	395	2,875	7	1,249	36	263
Arizona	7,324	939	4,368	1,170	3,216	851	2,298	29	1,376	24	180
Utah	4,240	865	2,070	569	1,501	486	2,578	20	1,258	34	246
Nevada	2,436	339	1,351	295	1,056	424	2,602	19	1,443	18	180
Pacific:											
Washington	11,219	2,246	6,328	1,813	4,515	1,550	2,545	22	1,435	19	183
Oregon	7,165	1,407	3,816	1,659	2,157	930	2,667	15	1,420	20	211
California	73,542	13,526	43,365	11,083	32,282	9,170	2,789	9	1,645	10	174
Alaska	6,726	525	2,389	558	1,830	421	12,910	1	4,585	1	710
Hawaii	2,818	500	1,741	309	1,432	338	2,673	14	1,652	9	194

X Not applicable. [1] Includes miscellaneous revenue, not shown separately. [2] Data for 1975 based on estimated resident population as of July 1, 1970 and 1980–1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983–1985 based on estimated resident population as of July 1.

Digitized by Google

1970 TO 1985 AND BY STATE, 1985

government amounts included here are estimates subject to sampling variation; see source and Appendix III]

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE								CAPITAL OUTLAY [4]		YEAR, DIVISION AND STATE
Total	Per capita [3] (dol.)	Rank	Total	Per capita [3] (dol.)	Rank	Education	Highways	Public welfare	Health, hospitals	All other	Total	Per capita [3] (dol.)	
143,570	706	(x)	131,332	646	(x)	52,718	16,427	14,679	9,668	37,840	29,650	146	1970
221,224	1,038	(x)	229,747	1,077	(x)	87,858	22,528	27,191	18,846	73,324	44,824	211	1975
335,603	1,482	(x)	367,340	1,622	(x)	133,211	33,311	45,552	32,174	123,092	62,894	278	1980
363,892	1,606	(x)	405,576	1,790	(x)	145,784	34,603	52,248	36,101	136,840	67,596	295	1981
404,579	1,786	(x)	435,103	1,921	(x)	154,283	34,520	56,216	40,882	149,202	66,802	296	1982
454,501	1,942	(x)	464,999	1,987	(x)	163,876	36,655	59,157	43,998	161,314	67,981	291	1983
506,530	2,144	(x)	503,375	2,132	(x)	176,108	39,419	64,709	46,419	176,720	70,851	299	1984
568,501	**2,381**	**(x)**	**552,119**	**2,313**	**(x)**	**192,686**	**45,022**	**69,577**	**49,678**	**195,157**	**79,901**	**335**	**U.S., 1985**
													New England:
1,963	1,687	41	2,449	2,104	33	837	267	433	121	792	237	204	Maine
2,485	2,490	24	1,812	1,816	44	605	226	209	105	667	226	227	New Hampshire
1,226	2,291	27	1,282	2,396	21	482	160	164	60	415	157	293	Vermont
15,439	2,652	22	14,134	2,428	19	4,233	752	2,395	1,334	5,420	1,822	313	Massachusetts
3,443	3,557	10	2,459	2,541	11	763	155	423	181	937	238	245	Rhode Island
8,735	2,752	20	7,516	2,368	22	2,346	617	1,005	503	3,046	831	262	Connecticut
													Middle Atlantic:
62,454	3,512	11	59,455	3,343	4	16,926	3,255	10,596	6,016	22,662	7,236	407	New York
22,629	2,993	15	18,771	2,482	16	6,345	1,370	2,237	1,126	7,693	1,837	243	New Jersey
25,197	2,126	32	24,040	2,028	35	8,349	2,132	3,890	1,542	8,128	2,492	210	Pennsylvania
													East North Central:
16,642	1,549	44	22,781	2,120	32	8,492	1,718	3,491	1,942	7,137	2,560	238	Ohio
7,146	1,300	49	10,179	1,851	43	4,113	851	1,157	1,069	2,990	1,241	226	Indiana
21,709	1,882	38	25,067	2,173	31	8,371	2,403	3,614	1,621	9,058	3,430	297	Illinois
15,214	1,674	42	22,705	2,498	15	8,180	1,417	3,948	2,275	6,884	1,689	208	Michigan
8,822	1,847	39	12,160	2,547	10	4,533	1,067	1,927	989	3,643	1,403	294	Wisconsin
													West North Central:
13,959	3,329	13	11,918	2,842	5	3,926	1,222	1,807	974	3,990	1,731	413	Minnesota
3,958	1,372	48	6,664	2,311	25	2,581	936	779	660	1,709	1,062	368	Iowa
7,249	1,442	46	8,927	1,775	49	3,268	922	948	1,004	2,784	1,271	253	Missouri
1,299	1,897	36	1,847	2,696	6	683	271	183	97	613	296	432	North Dakota
1,584	2,238	31	1,587	2,214	30	525	263	131	76	573	405	573	South Dakota
5,958	3,710	7	3,840	2,255	26	1,425	489	336	362	1,006	707	441	Nebraska
5,994	2,447	25	5,439	2,220	29	2,144	703	468	436	1,688	815	333	Kansas
													South Atlantic:
2,582	4,151	5	1,672	2,688	7	636	156	117	81	680	216	347	Delaware
12,307	2,802	17	10,332	2,352	23	3,578	939	1,216	418	4,181	1,555	354	Maryland
3,437	5,490	2	2,718	4,342	2	473	90	486	266	1,403	519	829	District of Columbia
8,760	1,535	45	11,369	1,993	37	4,554	1,153	1,035	952	3,676	1,439	252	Virginia
4,402	2,274	29	3,640	1,883	38	1,554	460	356	279	1,191	505	261	West Virginia
10,012	1,601	43	11,168	1,785	46	4,780	937	1,004	1,115	3,331	1,697	271	North Carolina
6,748	2,016	33	5,966	1,782	48	2,453	422	517	839	1,734	838	250	South Carolina
11,251	1,883	37	11,771	1,970	39	4,062	1,143	1,033	2,055	3,478	2,496	418	Georgia
26,071	2,294	26	22,228	1,956	41	7,607	1,681	1,674	2,429	8,836	4,669	411	Florida
													East South Central:
10,365	2,782	18	6,698	1,798	45	2,413	720	879	456	2,230	909	244	Kentucky
8,267	1,736	40	8,300	1,743	50	2,915	861	893	1,051	2,579	1,329	279	Tennessee
7,740	1,925	34	7,879	1,959	40	2,929	815	669	1,141	2,326	1,278	318	Alabama
3,248	1,243	50	4,662	1,784	47	1,846	554	495	766	1,200	585	224	Mississippi
													West South Central:
3,283	1,392	47	3,998	1,695	51	1,704	413	467	398	1,016	599	254	Arkansas
15,313	3,417	12	10,344	2,308	28	3,280	1,026	1,124	1,261	3,653	1,439	321	Louisiana
7,411	2,245	30	6,713	2,034	34	2,638	693	688	688	2,056	1,219	369	Oklahoma
42,388	2,589	23	32,803	2,004	36	14,107	2,652	2,226	3,086	10,729	6,358	388	Texas
													Mountain:
1,884	2,281	28	2,160	2,615	8	798	304	196	114	747	401	486	Montana
1,147	1,141	51	1,878	1,868	42	712	242	147	178	599	315	314	Idaho
2,291	4,501	4	2,121	4,166	3	801	344	91	203	681	551	1,082	Wyoming
8,959	2,773	19	7,784	2,409	20	2,866	706	700	637	2,876	1,490	461	Colorado
3,954	2,727	21	3,678	2,536	12	1,445	407	260	291	1,275	691	476	New Mexico
11,819	3,709	8	7,345	2,305	27	2,779	774	576	346	2,870	1,835	576	Arizona
7,924	4,817	3	3,827	2,327	24	1,585	462	312	243	1,225	1,740	1,058	Utah
2,802	2,993	14	2,355	2,516	13	606	260	131	243	1,116	447	477	Nevada
													Pacific:
17,873	4,054	6	11,093	2,516	14	3,934	1,159	1,160	856	3,963	2,352	533	Washington
9,883	3,671	9	6,840	2,471	17	2,469	554	519	410	2,888	882	328	Oregon
50,361	1,910	35	66,429	2,595	9	22,271	3,271	9,936	6,004	26,945	7,831	297	California
9,881	18,955	1	4,954	9,509	1	1,234	550	210	191	2,769	1,482	2,807	Alaska
3,055	2,898	16	2,601	2,468	18	730	134	289	185	1,263	369	350	Hawaii

[3] 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year.
[4] Includes general functions, liquor stores, and utilities.

Source: U.S. Bureau of the Census, *Governmental Finances*, series GF, No. 5, annual.

Digitized by Google

No. 442. State Governments—Summary of Finances: 1980 to 1985

[For fiscal years; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 710–782]

Item	Total (mil. dol.)			Per capita [1] (dol.)			Percent distribution		
	1980	1984	1985	1980	1984	1985	1980	1984	1985
Borrowing and revenue	**293,356**	**424,698**	**476,511**	**$1,299**	**$1,803**	**$2,001**	**100.0**	**100.0**	**100.0**
Borrowing	16,394	27,611	37,547	73	117	158	5.6	6.5	7.9
Revenue	276,962	397,087	438,963	1,226	1,686	1,843	94.4	93.5	92.1
General revenue	233,592	330,740	365,354	1,034	1,404	1,534	79.6	77.9	76.7
Taxes	137,075	196,795	215,320	607	836	904	46.7	46.3	45.2
Sales and gross receipts	67,855	95,801	105,325	300	407	442	23.1	22.6	22.1
General	43,168	62,564	69,629	191	266	292	14.7	14.7	14.6
Motor fuels	9,722	12,396	13,352	43	53	56	3.3	2.9	2.8
Alcoholic beverages	2,478	2,900	3,031	11	12	13	.8	.7	.6
Tobacco products	3,738	4,149	4,247	17	18	18	1.3	1.0	.9
Other	8,750	13,793	15,065	39	59	63	3.0	3.2	3.2
Licenses	8,890	11,922	13,546	38	51	57	3.0	2.8	2.8
Motor vehicles	4,936	6,354	7,045	22	27	30	1.7	1.5	1.5
Corporations in general	1,388	2,104	2,767	6	9	12	.5	.5	.6
Other	2,366	3,464	3,734	10	15	16	.8	.8	.8
Individual income	37,089	58,942	63,644	164	250	267	12.6	13.9	13.4
Corporation net income	13,321	15,511	17,637	59	66	74	4.5	3.7	3.7
Property	2,892	3,862	3,984	13	16	17	1.0	.9	.8
Other	7,227	10,757	11,184	32	46	47	2.5	2.5	2.3
Charges and miscellaneous	32,190	52,495	60,148	142	223	253	11.0	12.4	12.6
Intergovernmental revenue	64,326	81,450	89,887	285	346	377	21.9	19.2	18.9
From Federal Government	61,892	76,140	84,434	274	323	355	21.1	17.9	17.7
Public welfare	24,680	35,423	38,664	109	150	162	8.4	8.3	8.1
Education	12,765	13,975	15,307	57	59	64	4.4	3.3	3.2
Highways	8,860	10,380	12,702	39	44	53	3.0	2.4	2.7
Other	15,587	16,362	17,761	69	69	75	5.3	3.9	3.7
From local governments	2,434	5,310	5,453	11	23	23	.8	1.3	1.1
Liquor stores revenue	2,765	2,759	2,753	12	12	12	.9	.6	.6
Insurance trust revenue [2]	39,301	60,950	67,907	174	259	285	13.4	14.4	14.3
Employee retirement	21,146	38,564	43,993	94	164	185	7.2	9.1	9.2
Unemployment compensation	13,468	16,671	17,596	60	71	74	4.6	3.9	3.7
Utility revenue	1,304	2,638	2,948	6	11	12	.4	.6	.6
Expenditure and debt redemption	**263,494**	**361,901**	**402,888**	**1,166**	**1,537**	**1,692**	**100.0**	**100.0**	**100.0**
Debt redemption	5,682	10,364	12,080	25	44	51	2.2	2.9	3.0
Expenditure [3]	257,812	351,537	390,828	1,141	1,493	1,641	97.8	97.1	97.0
General expenditure	228,223	309,775	345,133	1,010	1,315	1,449	86.6	85.6	85.7
Education	87,939	116,058	126,604	389	493	540	33.4	32.1	31.9
Public welfare	44,219	62,727	67,317	196	266	283	16.8	17.3	16.7
Highways	25,044	28,640	33,186	111	122	139	9.5	8.0	8.2
Health and hospitals	17,855	24,982	27,595	79	106	116	6.8	6.9	6.8
State hospitals	11,015	15,068	15,802	49	64	66	4.2	4.2	3.9
Other hospitals and health	6,840	9,914	11,793	30	42	50	2.6	2.7	2.9
Corrections	4,449	7,732	9,171	20	33	39	1.7	2.1	2.3
Natural resources	4,346	5,945	6,758	19	25	28	1.6	1.6	1.7
General control	3,232	4,654	5,231	14	20	22	1.2	1.3	1.3
Financial administration	3,031	4,517	5,019	13	19	21	1.2	1.2	1.2
Police protection	2,263	3,140	3,518	10	13	15	.9	.9	.9
Employment security	2,001	2,546	2,582	9	11	11	.8	.7	.6
Housing and community development	601	1,306	1,540	3	6	6	.2	.4	.4
Misc. and unallocable	33,242	47,308	54,611	147	201	229	12.6	13.1	13.6
Liquor stores expenditure	2,206	2,313	2,391	10	10	10	.8	.6	.6
Insurance trust expenditure [2]	24,997	37,390	39,940	111	147	159	9.5	9.6	9.4
Employee retirement	10,256	16,467	18,230	45	70	77	3.9	4.6	4.5
Unemployment compensation	12,006	13,987	14,928	53	59	63	4.6	3.9	3.7
Utility expenditure	2,401	4,817	5,364	11	20	23	.9	1.3	1.3
By character and object:									
Intergovernmental expenditure	84,504	108,373	121,571	374	460	511	32.1	29.9	30.2
Direct expenditure	173,307	243,164	269,257	767	1,032	1,131	65.8	67.2	66.8
Current operation	108,131	156,922	172,210	479	666	723	41.0	43.4	42.7
Capital outlay	23,325	25,486	30,657	103	108	129	8.9	7.0	7.6
Construction	19,736	19,507	23,877	87	83	100	7.5	5.4	5.9
Land and existing structures	1,345	1,883	1,833	6	8	8	.5	.5	.5
Equipment	2,243	4,096	4,947	10	17	21	.9	1.1	1.2
Assistance and subsidies	9,818	12,386	12,842	43	53	54	3.7	3.4	3.2
Interest on debt	7,052	13,736	15,606	31	58	66	2.7	3.8	3.9
Insurance benefits and repayments	24,981	34,632	37,940	111	147	159	9.5	9.6	9.4
Debt outstanding, yearend	**121,958**	**186,377**	**211,904**	**540**	**791**	**890**	**100.0**	**100.0**	**100.0**
Long-term	119,821	183,206	209,112	530	778	878	98.2	98.3	98.7
Full-faith and credit	49,364	57,349	60,432	219	243	254	40.5	30.8	28.5
Nonguaranteed	70,457	125,859	148,680	312	534	624	57.8	67.5	70.2
Short-term	2,137	3,169	2,792	9	13	12	1.8	1.7	1.3
Net long-term	79,810	101,681	110,348	353	432	463	65.4	54.6	52.1
Full-faith and credit only	39,357	46,976	47,894	174	199	201	32.3	25.2	22.6

[1] Based on estimated resident population as of July 1; except 1980 based on resident population enumerated as of April 1, 1980. [2] Includes other items not shown separately. [3] Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC82(6)–4) and *State Government Finances*, series GF No. 3, annual.

Digitized by Google

NO. 443. STATE GENERAL FUND RESOURCES AND EXPENDITURES: 1986 TO 1988

[**In millions of dollars, except percent. Fiscal year** data; see text, section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds, they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. Minus sign (–) indicates deficit]

STATE	GENERAL FUND RESOURCES [1]			EXPENDITURES [2]			BALANCE [3]					
							Total			As percent of expenditures		
	1986	1987 [3]	1988 [3]	1986	1987 [3]	1988 [3]	1986	1987 [3]	1988 [3]	1986	1987 [3]	1988 [3]
United States	**215,867**	**223,144**	**226,541**	**203,869**	**215,633**	**217,226**	**5,398**	**1,635**	**3,354**	**2.6**	**.8**	**1.5**
Alabama	2,778	2,538	(NA)	2,770	2,537	(NA)	9	1	(NA)	.3	–	(NA)
Alaska	2,593	1,506	1,937	2,789	2,381	1,885	– 196	– 875	52	– 7.0	– 36.7	2.6
Arizona	2,313	2,401	2,403	2,329	2,396	2,383	– 16	5	19	– .7	.2	.8
Arkansas	1,587	1,631	1,702	1,587	1,631	1,702	–	–	–	–	–	–
California	29,545	31,242	32,236	28,841	30,890	31,264	686	561	1,040	2.4	1.8	3.3
Colorado	1,997	2,163	2,513	1,867	1,971	2,140	4	130	323	.2	6.6	15.1
Connecticut	4,316	4,507	4,919	4,012	4,343	4,919	–	–	–	–	–	–
Delaware	1,070	1,067	1,108	929	939	1,001	141	128	108	15.2	13.6	10.8
Florida	7,028	7,745	8,670	6,842	7,785	8,445	186	–	–	2.7	–	–
Georgia	5,274	5,410	5,772	5,029	5,410	5,772	94	–	–	1.9	–	–
Hawaii	1,739	1,837	1,943	1,602	1,725	1,830	137	112	113	8.6	6.5	6.2
Idaho	582	609	663	581	609	663	1	–	–	.2	–	–
Illinois	11,062	11,452	12,496	10,014	10,398	11,403	288	219	219	2.9	2.1	1.9
Indiana	3,330	3,520	3,624	3,123	3,272	3,378	39	16	11	1.2	.5	.3
Iowa	2,152	2,161	2,444	2,144	2,175	2,435	–	–	–	–	–	–
Kansas	1,763	1,785	2,014	1,743	1,732	1,860	20	52	129	1.1	3.0	6.9
Kentucky	2,863	3,117	3,344	2,655	2,955	3,293	209	137	1	7.9	4.6	(Z)
Louisiana	4,111	3,971	(NA)	4,313	3,963	(NA)	– 202	8	(NA)	– 4.7	.2	(NA)
Maine	996	1,047	1,131	951	1,044	1,122	10	–	6	1.1	–	.5
Maryland	4,213	4,544	4,925	4,160	4,452	4,916	53	42	4	1.3	.9	.1
Massachusetts	6,715	7,172	7,659	6,183	6,829	7,368	333	39	–	5.4	.6	–
Michigan	6,283	6,311	6,495	5,970	6,280	6,457	153	31	39	2.6	.5	.6
Minnesota	5,360	5,546	5,616	4,855	5,238	5,431	370	179	40	7.6	3.4	.7
Mississippi	1,569	1,542	1,547	1,517	1,512	1,547	52	31	–	3.4	2.1	–
Missouri	3,167	3,341	3,655	3,057	3,341	3,655	110	–	–	3.6	–	–
Montana	377	400	415	367	382	402	16	27	13	4.4	7.1	3.2
Nebraska	847	865	888	830	675	862	18	– 10	26	2.2	– 1.1	3.0
Nevada	561	612	600	474	569	556	85	44	44	17.9	7.7	7.9
New Hampshire	502	535	551	469	484	526	32	26	24	6.8	5.4	4.6
New Jersey	9,251	9,566	10,064	8,730	9,119	9,869	521	448	195	6.0	4.9	2.0
New Mexico	1,548	1,560	1,620	1,414	1,459	1,516	124	93	106	8.8	6.4	7.0
New York	22,963	24,730	26,444	21,751	23,402	25,194	153	169	185	.7	.7	.7
North Carolina	5,291	5,528	5,821	4,972	5,350	5,641	319	178	180	6.4	3.3	3.2
North Dakota	640	557	542	525	556	546	109	1	– 4	20.6	.2	– 7
Ohio	10,032	10,605	10,725	9,567	10,573	10,678	458	32	47	4.6	.3	.4
Oklahoma	2,048	1,683	1,768	2,040	1,641	1,681	–	15	87	–	.9	5.2
Oregon	1,794	1,940	1,831	1,604	1,737	1,720	191	203	112	11.9	11.7	6.5
Pennsylvania	9,555	9,961	10,315	9,292	9,649	10,243	213	262	2	2.3	2.7	(Z)
Rhode Island	1,105	1,174	1,225	1,048	1,117	1,193	52	45	19	5.0	4.0	1.6
South Carolina	2,570	2,671	2,829	2,592	2,671	2,804	15	– 6	–	.6	– .2	–
South Dakota	377	391	373	346	364	365	31	27	8	9.0	7.4	2.2
Tennessee	2,950	3,034	3,133	2,598	2,966	3,032	144	75	75	5.5	2.5	2.5
Texas	11,026	10,552	9,028	6,287	6,564	6,282	– 231	– 1,030	–	– 2.6	– 12.0	–
Utah	1,272	1,258	1,372	1,277	1,284	1,372	2	–	–	.2	–	–
Vermont	398	442	464	389	427	457	3	11	7	.8	2.6	1.5
Virginia	4,227	4,766	4,942	4,021	4,766	4,937	206	–	5	5.1	–	.1
Washington	4,521	4,834	5,291	4,520	4,728	5,261	1	107	29	–	2.3	.6
West Virginia	1,709	1,705	1,617	1,597	1,686	1,617	112	–	–	7.0	–	–
Wisconsin	5,165	5,156	5,354	4,672	5,054	5,299	237	102	55	4.9	2.0	1.0
Wyoming	530	434	313	424	402	304	106	–	35	25.0	–	11.5

– Represents zero. NA Not available. Z Less than .05 percent.
[1] Includes funds budgeted, adjustments, and balances from previous year. [2] Estimates. [3] Governors' proposed budget. [4] Does not include transfers (plus or minus).
[5] Resources, less expenditures and transfers.

Source: National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of the States*, semi-annual (copyright).

Digitized by Google

NO. 444. STATE GOVERNMENTS—REVENUE,

[In millions of dollars, except as indicated.

YEAR, DIVISION, AND STATE	Total revenue [1]	GENERAL REVENUE								DEBT OUTSTANDING
		Total		Per capita [2]		Intergovernmental revenue		Taxes	Charges and miscellaneous	
		Amount	Rank	Total (dol.)	Rank	From Federal Government	From local governments			Total
1970	88,939	77,755	(X)	384	(X)	12,252	995	47,962	9,545	42,008
1975	157,033	134,611	(X)	634	(X)	36,148	1,680	80,155	16,629	72,127
1980	276,962	233,592	(X)	1,034	(X)	61,892	2,434	137,075	32,190	121,958
1982	330,899	275,111	(X)	1,218	(X)	66,026	3,139	162,607	43,338	147,470
1983	357,661	290,480	(X)	1,245	(X)	68,985	3,742	171,440	46,312	167,290
1984	397,087	330,740	(X)	1,404	(X)	76,140	5,310	196,795	52,495	186,377
U.S., 1985	438,963	365,354	(X)	1,534	(X)	84,434	5,453	215,320	60,148	211,904
New England:										
Maine	2,137	1,848	41	1,587	20	564	4	1,005	274	1,225
New Hampshire	1,361	1,068	48	1,070	49	307	27	434	299	1,979
Vermont	1,109	984	49	1,840	10	302	5	459	219	887
Massachusetts	11,485	10,417	10	1,789	12	2,186	206	6,621	1,405	10,101
Rhode Island	2,129	1,860	40	1,921	9	456	22	962	519	2,814
Connecticut	6,266	5,698	21	1,795	11	1,066	2	3,498	1,132	6,389
Middle Atlantic:										
New York	46,762	37,432	2	2,105	7	9,161	2,921	20,702	4,649	32,355
New Jersey	15,905	13,245	6	1,751	13	2,671	124	7,719	2,732	13,365
Pennsylvania	20,337	18,662	4	1,406	28	4,051	77	10,162	2,372	7,289
East North Central:										
Ohio	21,242	14,776	7	1,375	31	3,276	136	6,652	2,712	8,204
Indiana	7,917	7,102	17	1,292	39	1,617	19	4,336	1,130	1,730
Illinois	17,573	15,377	5	1,333	35	3,770	66	9,228	2,314	9,787
Michigan	17,262	15,165	6	1,669	18	3,573	446	8,684	2,460	5,904
Wisconsin	9,740	8,185	13	1,714	15	1,927	70	5,066	1,122	4,473
West North Central:										
Minnesota	9,378	8,261	12	1,970	6	1,709	94	5,228	1,230	3,503
Iowa	4,697	4,004	31	1,388	29	952	45	2,307	699	1,326
Missouri	6,662	5,786	20	1,150	46	1,479	22	3,352	933	3,319
North Dakota	1,651	1,472	44	2,149	5	341	23	692	416	586
South Dakota	1,082	929	50	1,313	37	306	8	355	260	1,086
Nebraska	2,144	2,003	39	1,247	44	525	29	1,045	409	1,028
Kansas	3,714	3,142	34	1,282	40	725	14	1,915	488	319
South Atlantic:										
Delaware	1,882	1,542	43	2,479	3	236	3	816	487	1,832
Maryland	6,221	7,093	16	1,615	19	1,499	35	4,322	1,237	5,091
Virginia	9,030	7,687	14	1,347	33	1,536	94	4,469	1,587	3,317
West Virginia	3,672	2,964	35	1,531	23	744	5	1,856	360	1,628
North Carolina	9,879	8,288	11	1,325	36	1,933	106	5,198	1,051	2,157
South Carolina	5,825	4,545	27	1,358	32	1,058	25	2,732	729	3,403
Georgia	8,760	7,572	15	1,267	42	2,149	45	4,525	852	2,158
Florida	13,763	11,847	9	1,042	50	2,326	47	6,329	1,145	5,014
East South Central:										
Kentucky	6,176	5,396	24	1,448	27	1,451	10	3,013	923	3,633
Tennessee	6,142	5,351	25	1,124	48	1,612	36	2,998	705	1,913
Alabama	6,601	5,535	22	1,377	30	1,515	31	2,924	1,066	3,240
Mississippi	3,923	3,303	32	1,264	43	1,022	14	1,812	456	1,007
West South Central:										
Arkansas	3,342	2,925	36	1,240	45	814	4	1,745	362	625
Louisiana	8,156	6,961	19	1,553	22	1,573	12	3,856	1,520	8,095
Oklahoma	5,672	4,933	26	1,495	25	942	23	2,982	986	3,581
Texas	21,346	18,796	3	1,148	47	3,847	12	11,541	3,397	5,193
Mountain:										
Montana	1,738	1,388	46	1,680	16	422	12	641	314	745
Idaho	1,610	1,299	47	1,292	38	353	15	734	197	629
Wyoming	1,946	1,704	42	3,348	2	423	5	806	469	757
Colorado	5,298	4,133	29	1,279	41	987	10	2,284	852	1,520
New Mexico	3,624	3,169	33	2,186	4	527	37	1,439	1,167	1,277
Arizona	5,330	4,293	28	1,347	34	695	61	2,945	572	884
Utah	3,133	2,583	37	1,570	21	736	20	1,324	503	1,333
Nevada	1,909	1,398	45	1,493	26	269	9	941	180	1,108
Pacific:										
Washington	9,781	7,407	16	1,680	17	1,775	139	4,586	908	3,030
Oregon	5,337	4,079	30	1,518	24	1,007	50	1,983	1,040	6,605
California	57,894	46,047	1	1,747	14	11,221	208	26,952	5,865	16,057
Alaska	5,918	5,453	23	10,467	1	397	2	1,886	3,169	5,692
Hawaii	2,677	2,245	38	2,130	6	404	3	1,363	476	2,710

X Not applicable. [1] Includes liquor stores, utilities, and insurance trust activities, not shown separately. [2] 1970 and 1982 based on enumerated resident population as of April 1, 1970, and 1980 respectively. 1980 based on provisional 1980 estimate as of April 1; 1975, 1983, 1984, and 1985 based on estimated resident population as of July 1.

Digitized by Google

DEBT, AND EXPENDITURE 1970 TO 1985, AND BY STATE: 1985

For fiscal year ending in year shown; see text, section 9

DEBT OUTSTANDING—Con.		Total expenditure [1]	GENERAL EXPENDITURES								YEAR, DIVISION, AND STATE
			Total [2]			Selected functions					
Per capita [2]			Amount	Per capita [2]		Education	Public welfare	Highways	Health and hospitals	Natural resources	
Total (dol.)	Rank			Total (dol.)	Rank						
207	(X)	85,055	77,642	383	(X)	30,865	13,206	13,483	5,355	2,223	1970
340	(X)	158,882	138,303	651	(X)	54,012	25,559	17,483	10,158	3,554	1975
540	(X)	257,812	226,223	1,010	(X)	87,939	44,220	25,044	17,855	4,348	1980
653	(X)	310,358	269,490	1,193	(X)	102,984	55,257	25,131	22,284	5,485	1982
717	(X)	333,917	284,939	1,221	(X)	107,703	57,544	26,431	23,805	5,834	1983
791	(X)	351,537	309,775	1,315	(X)	116,058	62,749	28,840	24,982	5,945	1984
990	**(X)**	**390,828**	**345,133**	**1,449**	**(X)**	**128,804**	**67,317**	**33,186**	**27,595**	**6,758**	**U.S., 1985.**
											N. Eng.:
1,052	18	1,948	1,705	1,465	22	547	436	185	91	50	ME.
1,983	7	1,195	1,012	1,014	50	201	185	163	99	15	NH.
1,659	12	1,034	954	1,783	10	314	172	120	58	30	VT.
1,735	11	11,026	10,171	1,747	11	2,546	2,460	469	977	71	MA.
2,907	3	2,010	1,787	1,846	6	489	432	117	180	12	RI.
2,013	6	5,429	4,871	1,535	19	1,280	953	443	479	39	CT.
											Mid. Atl.:
1,819	8	40,106	33,359	1,876	7	9,449	9,621	1,514	3,256	182	NY.
1,767	10	14,080	11,858	1,568	16	3,472	2,128	952	785	108	NJ.
615	36	18,067	15,088	1,273	37	4,841	3,927	1,770	1,224	235	PA.
											E. No. Cent.:
764	30	17,568	14,071	1,310	34	5,431	3,134	1,425	1,127	181	OH.
315	48	7,064	6,624	1,205	43	2,908	1,009	769	446	119	IN.
848	25	16,491	14,761	1,281	36	4,917	3,489	1,851	925	166	IL.
650	33	15,634	14,063	1,547	16	4,185	3,885	1,114	1,621	185	MI.
937	21	8,718	7,994	1,674	14	2,716	1,795	590	545	152	WI.
											W. No. Cent.:
835	27	8,121	7,492	1,787	9	2,696	1,480	714	512	197	MN.
460	40	4,630	4,229	1,466	21	1,790	735	694	323	75	IA.
660	32	5,817	5,442	1,082	46	2,201	937	698	473	123	MO.
855	24	1,541	1,440	2,103	3	541	177	212	94	50	ND.
1,535	13	1,005	964	1,362	28	255	120	181	59	51	SD.
640	34	2,137	2,067	1,287	35	693	329	369	177	79	NE.
130	50	3,248	3,002	1,225	42	1,353	457	461	241	82	KS.
											So. Atl.:
2,945	2	1,335	1,251	2,011	4	481	117	124	81	23	DE.
1,159	16	7,365	6,381	1,453	24	1,965	1,199	809	507	133	MD.
581	38	7,833	7,234	1,268	38	3,027	953	997	745	78	VA.
841	26	3,343	2,780	1,436	25	1,192	355	426	142	73	WV.
345	46	8,492	7,828	1,252	39	3,827	945	805	676	184	NC.
1,017	19	5,254	4,400	1,315	33	2,077	505	382	487	101	SC.
361	44	7,618	7,087	1,186	44	3,035	1,135	940	604	182	GA.
441	41	12,854	12,148	1,069	48	4,977	1,547	1,210	950	420	FL.
											E. So. Cent.:
975	20	5,447	4,982	1,337	29	2,016	863	629	288	150	KY.
402	42	5,439	5,025	1,055	49	2,003	853	701	444	87	TN.
806	29	6,082	5,544	1,379	27	2,427	660	670	556	113	AL.
385	43	3,561	3,204	1,226	41	1,285	482	410	266	105	MS.
											W. So. Cent.:
350	45	3,018	2,797	1,186	45	1,233	462	363	216	83	AR.
1,806	9	7,581	6,562	1,464	23	2,361	1,098	662	702	166	LA.
1,065	17	5,077	4,367	1,323	31	1,950	701	523	375	77	OK.
317	47	19,074	17,536	1,071	47	9,545	2,146	1,650	1,386	306	TX.
											Mt.:
901	22	1,557	1,318	1,595	15	436	184	239	79	84	MT.
626	35	1,440	1,256	1,250	40	539	140	206	66	61	ID.
1,487	14	1,497	1,365	2,681	2	416	90	295	60	47	WY.
471	39	6,817	4,251	1,316	32	1,834	878	474	349	107	CO.
881	23	3,041	2,861	1,973	6	1,264	252	313	228	59	NM.
215	49	4,599	4,251	1,334	30	1,916	467	610	155	56	AZ.
811	28	2,816	2,564	1,558	17	1,174	310	378	198	65	UT.
1,184	15	1,843	1,318	1,408	26	465	117	199	55	22	NV.
											Pac.:
667	31	9,012	7,402	1,679	13	3,292	1,209	863	489	206	WA.
2,458	5	4,812	3,986	1,483	20	1,264	502	481	289	123	OR.
609	37	51,840	45,775	1,736	12	17,904	11,001	2,297	3,109	1,204	CA.
10,925	1	4,950	4,606	8,840	1	1,144	200	611	216	186	AK.
2,571	4	2,539	2,081	1,974	5	730	287	85	179	47	HI.

[1] Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances in 1985*, series GF 85, No. 3, and *Census of Governments: 1977* and *1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment*.

Digitized by Google

No. 445. State Government Tax Collections and Excise Taxes, 1970 to 1986, and by State, 1986

[Tax collections for fiscal year; see text, section 9. Excise taxes as of September 1. Collections include local shares of State-imposed taxes. 1986 tax collections preliminary. For composition of regions, see fig. 1 inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)								EXCISE TAXES		
	Total [1]	Sales and gross receipts							General sales and gross receipts (percent) [2]	Cigarettes (cents per package)	Gasoline (cents per gal.)
		Total [1]	General sales or gross receipts	Motor fuels	Alcoholic beverages and tobacco products	Individual income	Corporation net income	Motor vehicle and operators' licenses			
1970 [3]	47,962	27,254	14,177	6,283	3,728	9,183	3,738	2,728	(x)	(x)	(x)
1975 [3]	80,155	43,346	24,780	8,255	5,249	18,819	6,642	3,941	(x)	(x)	(x)
1980 [3]	137,075	67,855	43,168	9,722	6,216	37,089	13,321	5,325	(x)	(x)	(x)
1985 [3]	215,320	105,325	69,829	13,352	7,279	63,644	17,637	7,659	(x)	(x)	(x)
1986 [3]	**228,054**	**112,343**	**74,821**	**14,087**	**7,511**	**67,469**	**18,363**	**6,374**	(x)	(x)	(x)
Region:											
Northeast	56,266	23,917	14,735	2,223	1,765	21,019	5,755	1,713	(x)	(x)	(x)
Midwest	53,143	26,486	17,868	3,823	1,647	17,172	4,351	2,375	(x)	(x)	(x)
South [3]	65,697	37,384	23,615	5,305	3,025	13,609	3,516	2,742	(x)	(x)	(x)
West	52,947	24,555	18,601	2,737	1,075	15,672	4,745	1,544	(x)	(x)	(x)
New England	**14,476**	**8,558**	**4,119**	**779**	**540**	**4,728**	**1,935**	**458**	(x)	(x)	(x)
Maine	1,101	600	383	91	69	337	52	49	5 F&D	28	14
New Hampshire	484	219	(x)	70	44	25	99	43	(x)	17	14
Vermont	500	253	99	38	27	161	31	32	4 F&D	17	19
Massachusetts	7,668	2,525	1,721	291	243	3,617	1,068	153	5 F&D	26	11
Rhode Island	886	470	291	47	37	287	68	26	6 F&D	25	13
Connecticut	3,837	2,491	1,625	242	120	301	617	155	7.5 F&D	26	17
Middle Atlantic	**41,790**	**17,358**	**10,616**	**1,444**	**1,225**	**16,541**	**3,820**	**1,255**	(x)	(x)	(x)
New York	22,747	7,479	4,761	469	583	11,582	1,902	483	[4] 4 F&D	21	8
New Jersey	8,360	4,586	2,614	339	273	2,053	955	333	6 F&D	25	8
Pennsylvania	10,683	5,314	3,241	636	369	2,656	963	439	6 F&D	18	12
East North Central	**38,127**	**19,050**	**12,923**	**2,635**	**1,109**	**12,236**	**3,380**	**1,557**	(x)	(x)	(x)
Ohio	9,062	4,938	3,166	664	253	2,777	478	345	[5] 5 F&D	14	12
Indiana	4,458	2,727	2,161	369	112	1,327	184	102	5 F&D	10.5	14
Illinois	9,801	4,289	3,366	619	264	2,645	860	598	[5] 5 F&D	20	13
Michigan	9,314	3,763	2,687	593	313	3,248	1,450	344	4 F&D	21	15
Wisconsin	5,492	2,333	1,543	390	167	2,239	408	168	[5] 5 F&D	25	17.5
West North Central	**15,016**	**7,436**	**4,945**	**1,188**	**538**	**4,936**	**971**	**818**	(x)	(x)	(x)
Minnesota	4,896	2,209	1,359	336	153	1,949	367	255	[6] 6 F&D	23	17
Iowa	2,459	1,160	769	231	87	864	139	181	4 F&D	26	16
Missouri	3,608	1,978	1,530	215	107	1,116	174	191	[4] 4.225 D	13	7
North Dakota	616	280	177	50	18	73	56	32	4 F&D	18	13
South Dakota	404	319	199	57	24	(x)	24	27	[4] 4 D	23	13
Nebraska	1,119	605	350	147	45	352	55	52	[4] 3.5 F&D	23	19
Kansas	1,912	887	561	152	104	582	156	80	[4] 4 D	24	11
South Atlantic [3]	**34,753**	**18,641**	**12,183**	**2,611**	**1,475**	**10,036**	**2,275**	**1,229**	(x)	(x)	(x)
Delaware	883	93	(x)	33	17	394	89	42	(x)	14	11
Maryland	4,670	2,100	1,190	309	95	1,930	250	106	5 F&D	13	13.5
District of Columbia [3]	1,717	527	361	24	16	445	151	19	6 F&D	13	15.5
Virginia	4,847	1,962	1,020	308	115	2,174	281	230	[3] 3 D	2.5	15
West Virginia	1,849	1,145	811	152	43	479	89	65	5 F&D	17	10.5
North Carolina	5,580	2,312	1,384	424	144	2,207	512	224	[2] 2 D	2	15.5
South Carolina	2,887	1,628	1,111	253	133	907	149	72	5 D	7	13
Georgia	4,917	2,339	1,640	393	207	1,945	418	85	[3] 3 D	12	[7] 7.5
Florida	9,120	7,062	5,027	739	721	(x)	487	405	5 F&D	24	4
East South Central	**11,402**	**6,920**	**4,616**	**943**	**468**	**1,917**	**757**	**414**	(x)	(x)	(x)
Kentucky	3,216	1,434	881	195	67	820	234	103	[5] 5 F&D	3	15
Tennessee	3,272	2,517	1,866	369	143	67	269	137	[4] 5.5 F&D	13	17
Alabama	2,997	1,661	836	254	158	757	157	109	[4] 4 D	16.5	11
Mississippi	1,917	1,308	1,031	125	90	273	97	65	6 D	18	9
West South Central	**19,543**	**11,823**	**6,818**	**1,751**	**1,082**	**1,656**	**484**	**1,099**	(x)	(x)	(x)
Arkansas	1,827	1,151	697	198	87	510	113	78	[4] 4 D	21	13.5
Louisiana	3,630	1,891	1,135	336	141	458	264	81	4 F&D	16	16
Oklahoma	2,960	1,217	656	206	127	688	107	247	[3] 3.25 D	16	10
Texas	11,125	7,670	4,328	1,011	727	(x)	(x)	695	[4] 4.125 F&D	20.5	10
Mountain	**11,572**	**6,280**	**4,335**	**948**	**322**	**2,841**	**528**	**481**	(x)	(x)	(x)
Montana	617	141	(x)	79	27	172	59	32	(x)	16	17
Idaho	745	375	250	78	19	256	43	33	5 D	9.1	14.5
Wyoming	795	238	184	37	6	(x)	(x)	39	[3] 3 D	8	8
Colorado	2,344	1,075	737	194	75	956	117	79	[3] 3 F&D	20	18
New Mexico	1,462	845	626	105	33	103	72	37	[4] 4.75	15	11
Arizona	3,196	1,969	1,459	257	92	702	171	173	[5] 5 F&D	15	16
Utah	1,385	740	559	118	30	452	66	35	[4] 4.594 D	12	14
Nevada	1,048	897	520	80	40	(x)	(x)	49	[5] 5.75 F&D	15	11.25
Pacific	**41,375**	**18,276**	**14,266**	**1,709**	**753**	**13,031**	**4,217**	**1,083**	(x)	(x)	(x)
Washington	5,219	3,967	3,113	384	204	(x)	(x)	141	6.5 F&D	31	18
Oregon	1,931	273	(x)	134	85	1,194	162	169	(x)	27	11
California	30,878	13,023	10,408	1,194	393	11,368	3,833	720	[4] 4.75 F&D	10	9
Alaska	1,856	67	(x)	23	21	1	178	18	(x)	16	8
Hawaii	1,491	945	747	44	50	468	44	15	4 D	(*)	[11] 11

X Not applicable. [1] Includes amounts for types of taxes not shown separately. [2] F – food exempt from sales tax; D – prescription drugs exempt from sales tax. [3] DC excluded from total. [4] Local sales tax rates are additional. [5] An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. [6] Tax is 40 percent of wholesale price. [7] Combined State and county rates are: Hawaii 16 cents, Honolulu 18.5 cents; Kauai 15 cents; and Maui 19 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, annual.

Digitized by Google

No. 446. State Government Individual Income Taxes: 1987

[As of **August 1987.** Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax]

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION [1]			Federal income tax deductible [2]
		Lowest: amount under	Highest: amount over	Single	Married—joint return	Dependents	Percent	Single	Married—joint return	
AL [3]	2.0–5.0	[4] $500	[4] $3,000	$1,500	$3,000	$300	20	$2,000	$4,000	Yes
AZ [6]	2.0–8.0	1,155	6,930	1,996	3,992	1,198	19.4	998	1,996	Yes [6]
AR	1.0–7.0	2,999	25,000	[7] 20	[7] 40	[7] 20	10	1,000	1,000	No
CA [5]	1.0–11.0	1,710	28,790	[7] 43	[7] 86	[7] 14	(x)	1,710	3,420	No
CO	5% of federal income tax liability									No
CT	Very limited income tax [8]									No
DE [3]	1.0–6.8	1,000	40,000	1,000	2,000	1,000	10	1,000	1,000	Yes [9]
DC	2.0–11.0	1,000	25,000	750	1,500	750	(x)	1,000	1,000	No
GA	1.0–6.0	750	7,000	1,500	3,000	700	[10] 15	[10] 2,300	[10] 3,000	No
HI	2.25–10	1,000	20,000	1,900	3,800	1,900	(x)	1,000	1,700	No
ID	2.0–8.2	1,000	20,000	Same as federal [11]						No
IL	2.5	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
IN [3]	3.4	Flat rate		1,000	2,000	1,000	(x)	(x)	(x)	No
IA [3] [5]	.5–13.0	[12] 1,023	[12] 76,725	[7] 20	[7] 40	[7] 15	[10] 15	[10] 1,200	[10] 3,000	Yes
KS	2.0–9.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,400	[10] 2,800	Yes [13]
KY [3]	2.0–6.0	3,000	8,000	[7] 20	[7] 40	[7] 20	(x)	650	650	Yes
LA	2.0–6.0	10,000	50,000	[14] 4,500	[14] 9,000	[14] 1,000	([15])	([14])	([14])	Yes
ME [3]	1.0–10.0	2,000	25,000	1,000	2,000	1,000	[10] 16	[10] 2,500	[10] 3,100	No
MD [3]	[16] 2.0–5.0	1,000	3,000	1,000	2,000	1,000	[10] 13	[10] 2,000	[10] 4,000	No
MA	5.0	Flat rate		2,230	4,400	1,000	(x)	(x)	(x)	No
MI [3]	4.6	Flat rate		1,500	3,000	1,500	(x)	(x)	(x)	No
MN [6]	1.0–9.9	310	16,800	[7] 73	[7] 146	[7] 73	10	2,500	2,500	Yes [16]
MS	3.0–5.0	5,000	10,000	6,000	9,500	1,500	15	2,300	3,400	No
MO [3]	1.5–6.0	[17] 1,000	[17] 9,000	1,200	1,200	400	(x)	Same as federal [11]		Yes
MT [5]	2.0–11.0	1,300	46,400	1,060	2,120	1,060	20	1,990	3,980	Yes
NE	2.0–5.9	1,800	27,000	1,100	2,200	1,100	(x)	2,530	3,740	No
NH	Very limited income tax [18]									No
NJ	[19] 2.0–3.5	20,000	50,000	1,000	2,000	1,000	(x)	(x)	(x)	No
NM	1.8–8.5	5,200	41,600	2,000	4,000	2,000	(x)	Same as federal [11]		No
NY [3]	2.0–8.5	1,000	14,000	900	1,800	900	(x)	3,600	5,300	No
NC	3.0–7.0	2,000	10,000	1,100	[20] 2,200	800	10	550	([20])	No
ND	[21] 2.67–12	[21] 3,000	[21] 50,000	Same as federal [11]						Yes [21]
OH [3]	.751–6.9	5,000	100,000	650	1,300	650	(x)	(x)	(x)	No
OK	[22] 5–6.0	[22] 1,000	[22] 7,500	1,000	2,000	1,000	15	2,000	2,000	Yes [23]
OR [3]	5.0–9.0	2,000	5,000	[7] 65	[7] 170	[7] 85	[10] 13	[10] 1,800	[10] 3,000	Yes [23]
PA [3]	2.1	Flat rate		(x)	(x)	(x)	(x)	(x)	(x)	No
RI	23.46% of federal income tax liability									No
SC	3.0–7.0	4,000	10,000	Same as federal [11]						No
TN	Very limited income tax [24]									No
UT	2.75–7.75	750	3,750	750	1,500	750	[10] 15	2,000	2,000	Yes
VT	25.8% of federal income tax liability									No
VA	2.0–5.75	3,000	14,000	700	1,400	700	15	2,000	4,000	No
WV	3.0–6.5	10,000	60,000	2,000	4,000	2,000	No deductions [25]			No
WI [5]	5.0–7.9	7,500	30,000	[7] 20	[7] 40	[7] 20	(x)	5,200	7,200	No

X Not applicable. [1] The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar value listed. [2] A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the deduction is of a lesser benefit to other taxpayers. [3] States in which one or more local governments levy a local income tax. [4] Social Security (FICA) taxes are deducted from taxable income. [5] Indexed by an inflation factor. Brackets shown are for 1986. Oregon and Wisconsin are scheduled to begin indexing in 1987. 1987 inflation adjustment will be determined in the fall. [6] Limited to 46% of Federal tax liability or $475, whichever is greater. [7] Tax credit. [8] There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of $54,000 to $57,999 to 12% of such income of taxpayers with an AGI over $100,000. Capital gains are taxed at 7% after an exemption of $100 is applied. [9] Federal income tax deduction limited to $300 ($600 married). [10] A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount should be taken. [11] Personal exemptions on the 1987 return are $1,900 each; standard deduction for single is $2,540 and for those filing joint returns, $3,760. [12] Tax cannot reduce after-tax income of taxpayer to below $5,000. [13] FICA taxes also deductible. [14] Personal exemption and standard deduction are combined. [15] All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%. [16] Taxpayers may choose between two tax tables: whether to deduct Federal taxes or to use a lower rate. Figures shown here are lower rate option. [17] FICA taxes deductible when itemizing deductions. [18] There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of $1,200 ($2,400 married.) [19] No taxpayer is subject to tax if gross income is $3,000 or less ($1,500 married, filing separately). [20] An additional exemption of $1,100 is allowed the spouse with the smallest income. Joint returns not allowed. [21] Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or using the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid; a 10% surtax is also imposed in 1987. [22] These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from 5% of the first $1,000 to 17% on income over $49,000. [23] Federal tax deduction limited to $7,000 ($3,500 married, filing separately). [24] Interest and dividends taxed at 6%. [25] Eliminated standard deduction; no itemized deductions are permitted.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1988 Edition.*

Digitized by Google

No. 447. Gross Revenue of Selected States From Parimutuel and Amusement Taxes and Lotteries, 1980 to 1985, and by State, 1985

[For fiscal years; see text, section 9]

Year and state	Gross revenue (mil. dol.)	Parimutuel taxes (mil. dol.)	Amusement taxes (mil. dol.) [1]	Lottery revenue: Total (mil. dol.) [2]	Lottery revenue: Percent for prizes
1980	3,153.7	731.5	234.1	2,188.1	52.3
1981	3,724.5	751.6	259.6	2,713.1	52.4
1982	4,586.3	730.5	309.8	3,548.0	52.2
1983	5,859.3	729.3	366.0	4,764.0	52.1
1984 [3]	7,360.1	739.4	383.7	6,237.0	52.4
1985 [3]	**9,243.5**	**710.4**	**411.6**	**8,121.5**	**52.1**
AZ	84.7	11.4	.4	72.9	45.9
AR	20.6	20.6	(X)	(X)	(X)
CA	122.8	122.8	(X)	(X)	(X)
CO	107.5	8.1	.5	98.9	57.7
CT	404.2	64.0	14.1	326.0	54.5
DE	35.8	.3	(X)	35.5	54.6
DC	105.5	(X)	(X)	105.5	54.9
FL	122.1	119.6	2.5	(X)	(X)
IL	1,191.6	60.0	8.2	1,123.4	52.2
KY	11.7	11.4	.3	(X)	(X)
LA	25.4	25.2	.2	(X)	(X)
ME	15.3	1.2	(X)	14.2	55.8
MD	669.2	14.4	1.1	653.7	55.6
MA	695.6	36.0	11.1	648.5	57.8
MI	848.2	22.8	(X)	825.4	51.7
NE	17.3	12.6	4.8	(X)	(X)
NV	196.2	(X)	196.2	(X)	(X)
NH	25.5	10.3	(X)	15.1	48.5
NJ	1,041.8	6.9	160.6	874.3	51.6
NM	2.6	2.5	.1	(X)	(X)
NY	1,270.3	100.7	1.1	1,168.5	48.0
OH	819.1	11.6	(X)	807.4	52.7
OK	2.1	2.1	(Z)	(X)	(X)
OR	45.2	5.1	(X)	40.1	53.6
PA	1,221.2	12.9	.2	1,208.0	50.0
RI	52.2	6.1	.1	46.0	56.3
SC	8.5	(X)	8.5	(X)	(X)
SD	2.2	2.2	(X)	(X)	(X)
VT	5.6	.7	(X)	4.9	53.0
WA	165.6	7.0	(Z)	158.6	55.9
WV	11.0	11.0	(X)	(X)	(X)

X Not applicable. Z Less than $50,000. [1] Represents nonlicense taxes. [2] Excludes commissions. [3] Includes States whose gross revenues were less than $1,000,000 not shown separately. Excludes DC whose lottery began in 1984.

Source: U.S. Bureau of the Census, *State Government Finances in 1985*, series GF85, No. 3, and earlier issues.

No. 448. State Government Revenue From Severance Taxes, by State: 1983 to 1986

[**In millions of dollars.** For fiscal years; see text, section 9. Severance taxes are taxes imposed distinctively on the removal of natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail. For composition of regions, see fig. I, inside front cover]

Region and state	1983	1984	1985	1986
Total	**7,406**	**7,266**	**7,211**	**6,125**
Region:				
Northeast	.1	.1	.1	.5
Midwest	370.4	466.4	463.7	333.0
South	4,487.2	4,336.7	4,244.9	3,319.5
West	2,547.7	2,441.0	2,502.5	2,472.4
Alabama	77.1	119.5	89.6	75.1
Alaska	1,494.0	1,393.0	1,389.3	1,432.9
Arkansas	28.4	27.1	26.0	22.2
California	28.7	17.5	19.1	19.2
Colorado	35.9	30.0	30.4	22.6
Florida	137.9	157.8	173.2	171.0
Idaho	.8	1.2	.7	.5
Indiana	1.6	1.5	1.5	1.3
Kansas	2.3	117.0	111.9	102.1
Kentucky	221.4	210.7	228.0	229.3
Louisiana	869.5	792.1	745.2	619.7
Michigan	81.4	73.3	75.7	52.8
Minnesota	84.7	74.1	80.0	9.5
Mississippi	114.6	103.0	92.9	72.9
Missouri	(Z)	(Z)	(Z)	(Z)
Montana	137.6	144.8	150.7	129.9
Nebraska	5.2	4.5	4.6	4.0
Nevada	(X)	.1	.1	(Z)
New Hampshire	.1	.1	.1	.5
New Mexico	351.3	367.4	390.8	367.2
North Carolina	1.2	1.3	1.5	1.4
North Dakota	184.5	199.6	176.3	147.0
Ohio	4.0	6.6	8.2	9.9
Oklahoma	777.7	703.7	708.8	571.4
Oregon	49.7	29.2	31.8	32.4
South Dakota	5.7	8.9	4.5	5.6
Tennessee	3.4	3.3	2.8	2.3
Texas	2,254.7	2,218.8	2,175.3	1,552.1
Utah	19.7	38.4	49.4	43.9
Virginia	1.3	1.4	1.6	1.6
Washington	41.1	31.1	36.2	37.0
Wisconsin	1.0	.9	1.0	.8
Wyoming	388.9	388.3	404.0	387.3

X Not applicable. Z Less than $50,000.

Source: U.S. Bureau of the Census, *State Government Tax Collections in 1986*, series GF86, No. 1, and earlier issues.

No. 449. Minimum Drinking Ages—States: 1970 to 1987

[As of **June**. Includes District of Columbia]

Beverage and age	Number of states: 1970	1975	1980	1985	1986	1987
Distilled spirits:						
18 years	3	19	8	3	2	-
19 years	1	7	13	11	7	1
20 years	4	1	5	1	1	-
21 years	43	24	25	36	41	50
Table wine:						
18 years	7	24	11	5	4	-
19 years	1	7	14	12	8	1
20 years	4	1	5	2	2	-
21 years	39	19	21	32	37	50
Fortified wine: [1]						
18 years	5	20	7	3	2	-
19 years	1	7	14	11	7	1
20 years	4	1	5	2	2	-
21 years	41	23	25	35	40	50
Beer: [2]						
18 years	10	24	13	4	4	-
19 years	-	7	13	14	9	2
20 years	4	1	5	2	2	-
21 years	37	18	20	31	36	49

- Represents zero. [1] A wine having an alcohol content of 14% to 21%.
[2] Excludes 3.2% beer. Purchases of over 3.2% beer illegal in West Virginia in 1975.

Source: Distilled Spirits Council of the United States, Inc., Washington, DC, unpublished data.

Digitized by Google

No. 450. State Government Intergovernmental Expenditures, 1980 to 1985, and by State, 1985

[For fiscal year, see text, section 9]

Year, division, and state	Total (mil. dol.)	Per capita [1] (dol.)	Rank	As percent of general expenditure
1980	84,504	374	(x)	37.0
1982	98,743	427	(x)	36.6
1983	100,887	432	(x)	35.4
1984	108,373	460	(x)	35.0
1985, U.S	**121,571**	**511**	(x)	**35.2**
N. Eng.: ME	377	324	44	22.1
NH	165	165	49	16.3
VT	148	276	46	15.5
MA	2,978	511	13	29.3
RI	296	308	45	16.7
CT	1,067	336	43	21.9
Mid. Atl.: NY	13,397	753	4	40.2
NJ	4,427	585	8	37.3
PA	4,971	419	23	32.9
E. No. Cent.: OH	5,115	476	18	36.3
IN	2,475	450	20	37.4
IL	4,321	375	35	29.2
MI	4,429	487	15	31.5
WI	3,126	655	7	39.1
W. No. Cent.: MN	2,928	698	6	39.1
IA	1,412	490	14	33.4
MO	1,704	339	42	31.3
ND	394	576	9	27.4
SD	186	265	48	19.5
NE	547	341	41	26.5
KS	923	377	34	30.8
So. Atl.: DE	239	384	30	19.1
MD	1,732	394	28	27.1
So. Atl.—Con.:				
VA	2,162	379	32	29.9
WV	799	413	24	28.8
NC	3,024	483	17	38.6
SC	1,373	410	25	31.2
GA	2,254	377	33	31.8
FL	5,211	458	19	42.9
E. So. Cent.: KY	1,297	348	40	26.0
TN	1,276	268	47	25.4
AL	1,493	371	38	26.9
MS	1,147	439	22	35.8
W. So. Cent.: AR	901	382	31	32.2
LA	1,590	355	39	24.2
OK	1,332	404	27	30.5
TX	6,111	373	36	34.9
Mt.: MT	308	372	37	23.3
ID	390	388	29	31.1
WY	550	1,080	2	40.3
CO	1,563	484	16	36.8
NM	1,088	750	5	38.0
AZ	1,793	563	10	42.2
UT	729	443	21	28.4
NV	503	538	12	36.2
Pac.: WA	2,442	554	11	33.0
OR	1,100	409	26	27.6
CA	22,177	841	3	48.4
AK	1,574	3,021	1	34.2
HI	25	29	50	1.2

X Not applicable. [1] Based on estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *State Governmental Finances*, series GF No. 3, annual.

No. 451. Local Government General Revenue, by Source, 1980 to 1985, and by State, 1985

[In millions of dollars, for fiscal year, see text, section 9. Except for 1982, data are estimates based on sample and subject to sampling variability; see source and Appendix III]

Year, division, and state	Total [1]	Intergovernmental from—		From own sources	
		Federal	State	Total	Taxes
1980	232,453	21,136	81,289	130,027	86,387
1982	281,045	21,256	95,363	164,426	103,783
1983	298,394	21,021	98,378	178,994	112,996
1984	323,118	20,795	105,820	196,504	123,399
1985, U.S	**354,119**	**21,724**	**116,380**	**216,014**	**134,473**
N. Eng	**15,665**	**1,226**	**4,685**	**9,754**	**7,719**
ME	1,153	87	349	717	540
NH	995	77	115	803	690
VT	487	31	116	340	286
MA	8,188	771	2,897	4,520	3,066
RI	999	74	267	658	569
CT	3,843	187	940	2,716	2,267
Mid. Atl	**71,275**	**3,783**	**23,061**	**44,431**	**32,553**
NY	44,529	2,297	14,472	27,760	20,797
NJ	11,527	442	3,948	7,137	5,504
PA	15,218	1,045	4,640	9,533	6,252
E. No. Cent	**58,514**	**3,450**	**18,543**	**36,520**	**24,142**
OH	14,499	926	4,910	8,662	5,844
IN	6,699	324	2,526	3,849	2,157
IL	16,147	1,200	4,059	10,888	7,779
MI	13,690	697	3,916	9,077	5,935
WI	7,480	302	3,133	4,045	2,626
W. No. Cent	**24,355**	**1,343**	**7,422**	**15,590**	**8,841**
MN	7,875	380	3,019	4,477	2,179
IA	3,985	192	1,341	2,452	1,531
MO	5,120	378	1,291	3,451	2,132
ND	840	68	340	432	237
SD	772	68	159	545	383
NE	2,193	113	446	1,634	970
KS	3,570	144	826	2,600	1,409
So. Atl	**53,029**	**4,878**	**15,821**	**32,330**	**18,486**
DE	646	57	277	312	153
MD	5,953	349	1,702	3,902	2,831
DC	3,238	1,348	(x)	1,889	1,574
VA	6,588	373	2,080	4,135	2,991
WV	1,875	107	829	939	473
NC	8,647	399	2,624	3,624	1,960
SC	3,055	199	1,150	1,706	869
GA	8,030	566	2,102	5,361	2,536
FL	16,998	1,479	4,857	10,661	5,099
E. So. Cent	**14,683**	**927**	**5,087**	**8,668**	**4,224**
KY	3,197	192	1,289	1,716	838
TN	4,747	321	1,262	3,164	1,743
AL	3,980	254	1,416	2,310	1,057
MS	2,758	161	1,119	1,478	587
W. So. Cent	**34,477**	**1,686**	**9,952**	**22,838**	**12,973**
AR	2,123	130	825	1,169	537
LA	5,697	304	1,764	3,628	1,962
OK	3,744	299	1,246	2,289	1,279
TX	22,913	1,043	6,118	15,753	9,201
Mt	**19,985**	**1,030**	**6,513**	**12,443**	**6,666**
MT	1,183	102	277	804	501
ID	1,024	65	392	567	294
WY	1,433	47	448	938	507
CO	5,392	311	1,315	3,966	2,395
NM	2,041	160	1,006	875	371
AZ	4,970	244	1,858	2,867	1,441
UT	2,367	129	689	1,549	746
NV	1,576	70	529	977	410
Pac	**62,135**	**3,401**	**25,495**	**33,239**	**18,870**
WA	6,603	471	2,655	3,480	1,743
OR	4,107	400	972	2,735	1,833
CA	48,603	2,305	20,900	25,398	14,413
AK	2,206	129	930	1,146	503
HI	616	96	41	480	378

X Not applicable. [1] Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Governmental Finances*, series GF No. 5, annual.

Digitized by Google

NO. 452. NUMBER OF LOCAL GOVERNMENTS, BY TYPE—STATES: 1982 AND 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987							
									Special district governments		
	All local governmental units [1]	School district governments	Special district governments	All local governmental units	County governments	Municipal governments	Township governments [2]	School district governments	Total [1]	Natural resources	Fire protection	Housing and community development
U.S	81,780	14,851	28,078	83,166	3,042	19,205	16,691	14,741	29,487	6,469	5,055	3,457
AL	1,018	127	390	1,053	67	436	-	129	421	69	4	156
AK	156	-	6	172	9	149	-	-	14	-	-	13
AZ	452	232	130	576	15	81	-	227	253	82	116	-
AR	1,424	372	505	1,401	75	483	-	339	504	244	33	130
CA	4,102	1,111	2,506	4,330	57	443	-	1,098	2,732	523	387	93
CO	1,544	185	1,030	1,591	62	266	-	181	1,082	187	213	56
CT	479	16	281	476	-	31	149	16	280	-	55	91
DE	217	19	139	281	3	57	-	19	202	197	-	3
DC	2	-	1	2	-	1	-	-	1	-	-	-
FL	969	95	417	966	66	391	-	95	414	133	48	98
GA	1,268	187	390	1,285	158	532	-	186	409	26	6	207
HI	18	-	14	18	3	1	-	-	14	14	-	-
ID	1,018	117	659	1,064	44	198	-	118	704	168	119	13
IL	6,467	1,049	2,602	6,626	102	1,279	1,434	1,029	2,782	913	800	114
IN	2,865	305	897	2,803	91	567	1,008	304	833	129	-	45
IA	1,871	456	361	1,876	99	955	-	451	371	233	69	15
KS	3,795	326	1,370	3,803	105	627	1,360	324	1,387	269	-	101
KY	1,241	180	517	1,300	119	437	-	178	566	125	85	24
LA	468	66	39	452	61	301	-	66	24	2	-	-
ME	806	98	195	799	16	22	471	88	202	13	-	28
MD	439	-	264	398	23	155	-	-	220	162	-	20
MA	798	81	354	835	12	39	312	81	391	16	20	249
MI	2,643	599	184	2,699	83	534	1,242	590	250	85	1	-
MN	3,529	436	356	3,555	87	855	1,798	441	374	120	-	169
MS	858	169	315	854	82	293	-	172	307	225	-	59
MO	3,117	557	1,195	3,145	114	930	325	561	1,215	154	144	172
MT	1,029	399	450	1,248	54	128	-	552	514	117	128	18
NE	3,324	1,069	1,157	3,156	93	534	454	956	1,119	111	426	134
NV	184	17	134	197	16	18	-	17	146	29	16	14
NH	517	160	113	523	10	13	221	160	119	9	14	22
NJ	1,591	548	454	1,625	21	320	247	551	486	16	172	84
NM	319	69	101	334	33	98	-	91	112	79	-	7
NY	3,249	726	923	3,306	57	621	929	722	977	3	893	-
NC	905	-	321	915	100	495	-	-	320	141	1	107
ND	2,795	325	692	2,784	53	366	1,355	309	701	83	278	33
OH	3,393	669	377	3,376	88	940	1,318	621	409	100	30	55
OK	1,702	638	406	1,800	77	591	-	634	498	109	17	178
OR	1,454	352	825	1,501	36	240	-	351	874	213	270	25
PA	5,198	514	2,050	4,955	66	1,022	1,548	517	1,802	8	1	87
RI	122	3	80	125	-	8	31	3	83	3	37	26
SC	645	92	242	706	46	269	-	92	299	46	86	43
SD	1,767	196	199	1,761	64	309	984	193	211	102	31	37
TN	913	15	469	904	94	334	-	14	462	123	-	94
TX	4,180	1,124	1,681	4,412	254	1,156	-	1,111	1,891	524	70	397
UT	504	40	211	529	29	225	-	40	235	71	13	11
VT	664	273	83	673	14	55	237	272	95	21	19	9
VA	407	-	83	430	95	228	-	-	107	43	-	-
WA	1,734	300	1,130	1,778	39	266	-	297	1,176	161	410	48
WV	633	55	292	630	55	230	-	55	290	17	-	32
WI	2,592	408	283	2,714	72	580	1,268	434	360	142	-	202
WY	395	56	225	424	23	96	-	56	249	113	44	-

- Represents zero. [1] Includes other types of governments not shown separately. [2] Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982*, vol. 1, No. 1, *Governmental Organization*; and *Census of Governments, 1987, Government Units in 1987*, Preliminary Report No. 1.

Digitized by Google

No. 453. County, Municipal, and Township Governments, 1987, and Their Population, 1986, by Population-Size Group

[Number of governments as of **January 1987**; population estimated as of **July 1986**. Township governments include "towns" in the 6 New England States, Minnesota, New York, and Wisconsin]

Population-size group	County governments			Municipal governments			Township governments		
	Number, 1987	Population, 1986		Number, 1987	Population, 1986		Number, 1987	Population, 1986	
		Number (1,000)	Percent		Number (1,000)	Percent		Number (1,000)	Percent
Total	**3,042**	**217,397**	**100.0**	**19,205**	**149,885**	**100.0**	**16,691**	**52,065**	**100.0**
250,000 or more	167	113,164	52.1	61	44,059	29.4	4	1,744	3.4
100,000–249,999	231	35,559	16.4	122	17,882	11.9	29	4,015	7.7
50,000–99,999	387	27,279	12.6	285	19,522	13.0	74	4,989	9.6
25,000–49,999	616	21,807	10.0	562	19,413	13.0	233	7,832	15.0
10,000–24,999	943	15,580	7.2	1,303	20,425	13.6	706	10,899	20.9
Less than 10,000	698	4,007	1.8	16,872	28,584	19.1	15,645	22,587	43.4

Source: U.S. Bureau of the Census, *Census of Governments: 1987, Vol. 1, No. 1, Governmental Organization*, forthcoming.

No. 454. County Governments—Summary of Finances, 1980 to 1985, and Per Capita, by Population-Size Group, 1985

[Covers fiscal years ending between **July 1** of preceding year and **June 30** of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated population as of **July 1984**]

Item	All counties (mil. dol.) [1]					Per capita (dollars), 1985					
						All counties		Counties with 1984 population (1,000) of—			
	1980	1982	1983	1984	1985	Total (3,041) [2]	Percent distribution	Less than 100 [2] (2,651) [2]	100–199.9 (184) [2]	200–299.9 (77) [2]	300 or more (129) [2]
General revenue [3]	**54,573**	**66,655**	**70,577**	**77,182**	**85,500**	**401.87**	**100.0**	**385.80**	**338.42**	**347.09**	**439.00**
Intergovernmental revenue [4]	24,746	28,002	27,773	29,779	32,614	153.22	38.1	144.83	124.52	128.20	171.02
From State government	16,969	22,731	22,756	24,690	26,716	125.51	31.2	114.33	105.15	106.10	142.06
From Federal government	4,948	4,315	4,048	4,047	4,706	22.12	5.5	26.81	15.46	17.64	21.41
General revenue sharing	1,746	1,720	1,736	1,723	1,749	8.22	2.0	9.90	7.10	6.80	7.61
Tax revenue [4]	16,613	22,970	25,218	27,901	30,898	145.16	36.1	125.45	124.60	117.15	169.27
Property	14,300	17,744	19,609	21,343	23,193	108.96	27.1	95.23	93.56	67.50	126.40
Charges and miscellaneous	11,014	15,682	17,587	19,502	21,988	103.30	25.7	115.52	89.30	101.74	98.71
General expenditure	**54,291**	**64,576**	**69,133**	**74,247**	**80,948**	**380.29**	**100.0**	**354.21**	**327.60**	**336.89**	**420.19**
Capital outlay	6,505	6,391	6,562	6,912	7,603	35.72	9.4	33.69	33.68	29.33	39.17
Other	47,786	58,185	62,571	67,335	73,345	344.57	90.6	320.52	293.92	307.56	381.02
Public welfare	6,591	10,339	10,442	11,276	12,237	57.49	15.1	31.09	42.64	65.14	78.04
Education	8,412	9,596	10,083	10,744	11,683	54.89	14.4	71.74	67.09	34.06	44.06
Highways	5,227	5,613	6,142	6,480	7,008	32.92	8.7	53.48	29.46	25.08	21.09
Hospitals	5,975	7,577	8,101	8,647	9,005	42.30	11.2	46.93	21.54	37.77	45.57
General control	3,374	4,231	4,826	5,119	5,566	26.15	6.9	21.80	22.28	23.91	30.55
Police protection	2,861	3,489	3,736	4,015	4,392	20.63	5.4	17.96	19.17	16.42	23.65
Financial administration	1,521	1,879	2,016	2,191	2,410	11.32	3.0	11.76	10.37	10.20	11.47
General public buildings	1,072	1,145	1,237	1,347	1,489	7.00	1.8	6.92	6.90	6.02	6.87
Health	2,806	3,735	4,098	4,341	4,794	22.52	5.9	19.64	22.56	23.64	24.29
Correction	1,759	2,305	2,766	3,118	3,466	16.28	4.3	(5)	(5)	(5)	(5)
Natural resources	687	666	789	854	1,033	4.85	1.3	4.21	2.88	3.29	6.09
Parks and recreation	1,094	1,242	1,351	1,390	1,506	7.06	1.9	3.28	4.93	5.79	10.48
Interest on general debt	1,542	2,456	3,235	4,004	4,652	21.85	5.7	19.21	17.95	18.54	25.30
Other and unallocable	9,570	10,103	10,309	10,741	11,709	55.01	14.5	46.23	59.87	64.96	92.69
Debt outstanding, end of year	**32,993**	**44,671**	**55,277**	**63,081**	**72,260**	**339.47**	**100.0**	**297.29**	**295.89**	**286.89**	**389.66**
Long-term	31,543	42,090	52,304	60,442	69,192	325.06	95.8	292.53	290.09	271.97	366.41
Short-term	1,450	2,581	2,973	2,638	3,068	14.41	4.2	4.76	5.60	14.72	23.26

[1] Except for 1982, data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source. [2] Figures in parentheses represent number of counties in each size group. [3] Estimated. [4] Includes other revenues not shown separately. [5] Included in other and unallocable.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

Digitized by Google

NO. 455. CITY GOVERNMENTS—SUMMARY OF FINANCES: 1980 TO 1985

[**For fiscal years ending in year shown;** see text, section 9. Data revised since originally published and may not agree, therefore with table 458. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source]

ITEM	TOTAL (mil. dol.)			PER CAPITA [1] (dol.)			PERCENT DISTRIBUTION		
	1980	1984	1985	1980	1984	1985	1980	1984	1985
Revenue	**94,862**	**134,376**	**147,672**	**672**	**931**	**1,007**	**100.0**	**100.0**	**100.0**
General revenue	76,056	104,698	114,649	539	725	781	80.2	77.9	77.6
Intergovernmental revenue	28,270	32,899	35,859	200	228	244	29.8	24.5	24.3
From State governments only	15,939	20,532	23,103	113	142	157	16.8	15.3	15.6
Taxes	31,256	43,719	47,647	222	303	325	32.9	32.5	32.3
Property	16,859	22,061	23,459	119	153	160	17.8	16.4	15.9
Percent of total taxes	53.9	50.5	49.2	(x)	(x)	(x)	(x)	(x)	(x)
Sales and gross receipts	8,208	12,460	13,877	58	86	95	8.7	9.3	9.4
General	5,096	7,637	8,569	36	53	58	5.4	5.7	5.8
Selective	3,112	4,824	5,307	22	33	36	3.3	3.6	3.6
Income, licenses and other	6,189	9,196	10,312	44	64	70	6.5	6.8	7.0
Charges and miscellaneous	16,530	28,081	31,142	117	195	212	17.4	20.9	21.1
Current charges only	9,875	15,355	16,514	70	106	113	10.4	11.4	11.2
Utility and liquor store revenue	15,719	24,330	26,471	111	169	180	16.6	18.1	17.9
Water system	4,989	7,508	8,504	35	52	58	5.3	5.6	5.8
Electric power system	8,007	12,451	13,363	57	86	91	8.4	9.3	9.0
Gas supply system	1,444	2,754	2,796	10	19	19	1.5	2.0	1.9
Transit system	1,032	1,362	1,548	7	9	11	1.1	1.0	1.0
Liquor stores	247	256	260	2	2	2	.3	.2	.2
Insurance trust revenue	3,088	5,348	6,552	22	37	45	3.3	4.0	4.4
Expenditure	**93,699**	**128,672**	**140,000**	**664**	**892**	**954**	**100.0**	**100.0**	**100.0**
General expenditure	72,433	96,964	105,652	513	672	720	77.3	75.4	75.5
Police protection	8,200	11,642	12,574	58	81	86	8.8	9.0	9.0
Fire protection	4,535	6,291	6,798	32	44	46	4.8	4.9	4.9
Highways	5,977	7,837	8,709	42	54	59	6.4	6.1	6.2
Sewerage and other sanitation	7,907	10,541	11,446	56	73	78	8.4	8.2	8.2
Public welfare	3,801	5,311	5,762	27	37	39	4.1	4.1	4.1
Education	9,284	10,542	11,433	66	73	78	9.9	8.2	8.2
Libraries	883	1,177	1,304	6	8	9	.9	.9	.9
Health and hospitals	4,457	6,262	6,575	32	43	45	4.8	4.9	4.7
Parks and recreation	3,433	4,586	4,993	24	32	34	3.7	3.6	3.6
Housing and community development	3,459	4,488	5,105	25	31	35	3.7	3.5	3.6
Airports	1,100	1,540	1,694	8	11	12	1.2	1.2	1.2
Financial administration	1,843	2,484	2,703	13	17	18	2.0	1.9	1.9
General control	2,015	3,087	3,401	14	21	23	2.2	2.4	2.4
General public buildings	1,090	1,422	1,482	8	10	10	1.2	1.1	1.1
Interest on general debt	3,054	6,141	6,859	22	43	47	3.3	4.8	4.9
Other and unallocable	11,395	13,612	14,814	81	94	101	12.2	10.6	10.6
Utility and liquor store expenditure	18,274	27,097	29,534	130	188	201	19.5	21.1	21.1
Water system	5,933	8,485	9,601	42	59	65	6.3	6.6	6.9
Electric power system	8,596	12,421	13,588	61	86	93	9.2	9.7	9.7
Gas supply system	1,334	2,625	2,724	9	18	19	1.4	2.0	1.9
Transit system	2,189	3,332	3,381	16	23	23	2.3	2.6	2.4
Liquor stores	222	233	240	2	2	2	.2	.2	.2
Insurance trust expenditure	2,993	4,611	4,814	21	32	33	3.2	3.6	3.4
By character and object:									
Direct expenditure	91,692	125,690	136,601	650	871	931	97.9	97.7	97.6
Current operation	66,687	92,215	99,301	473	639	677	71.2	71.7	70.9
Capital outlay	16,265	18,811	21,374	115	130	146	17.4	14.6	15.3
Construction	13,341	14,756	16,838	95	102	113	14.2	11.5	11.9
Land and existing structures [3]	2,944	4,056	4,736	21	28	32	3.1	3.2	3.4
Assistance payments	1,546	1,955	2,060	11	14	14	1.6	1.5	1.5
Interest on debt	4,182	8,097	9,052	30	56	62	4.5	6.3	6.5
Insurance benefits, repayments	2,992	4,611	4,814	21	32	33	3.2	3.6	3.4
Intergovernmental expenditure	2,007	2,982	3,399	14	21	23	2.1	2.3	2.4
Total salaries and wages [3]	*34,709*	*45,260*	*48,050*	*246*	*314*	*328*	*37.0*	*35.2*	*34.3*
Debt outstanding, year end	**86,019**	**124,970**	**141,020**	**610**	**866**	**961**	**100.0**	**100.0**	**100.0**
Long-term	82,346	119,673	135,793	584	829	926	95.7	95.8	96.3
Full faith and credit	39,570	43,141	46,253	280	299	315	46.0	34.5	32.8
Nonguaranteed	42,776	76,532	89,540	303	530	610	49.7	61.2	63.5
Short-term	3,673	5,296	5,227	26	37	36	4.3	4.2	3.7
Net long-term debt outstanding	72,528	109,949	124,398	514	762	848	84.3	88.0	88.2
Long-term debt issued	12,582	18,308	25,683	89	127	175	(x)	(x)	(x)
Long-term debt retired	5,541	9,321	11,397	39	65	78	(x)	(x)	(x)

X Not applicable. [1] 1980 based on total population enumerated as of April 1, 1980. 1984 and 1985 based on estimated population as of July 1, 1982 and 1984 respectively. [2] Includes equipment. [3] Included in items shown above.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual.

Digitized by Google

No. 456. City Governments—Total and Per Capita Amounts for Selected Items for Largest Cities: 1985

[For fiscal year closed in the 12 months ending June 30, 1985. Cities ranked by size of population estimated as of July 1, 1984, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source]

Cities ranked by population size, 1984	General revenue		Intergovernmental revenue		Taxes		Gross debt outstanding		General expenditure	
	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)	Total (mil. dol.)	Per capita [1] (dol.)
New York, NY [2]	23,048	3,217	9,321	1,301	10,634	1,484	12,937	1,806	20,590	2,874
Los Angeles, CA	2,334	754	459	148	1,155	373	3,671	1,185	1,940	627
Chicago, IL	2,186	724	647	216	1,160	388	1,901	635	1,992	666
Houston, TX	1,175	669	113	66	598	350	2,338	1,371	1,024	600
Philadelphia, PA [2]	1,983	1,204	467	284	1,141	693	2,381	1,446	1,839	1,117
Detroit, MI	1,393	1,279	682	626	485	445	936	859	1,145	1,051
Dallas, TX	670	688	108	111	376	386	900	924	585	601
San Diego, CA	626	652	147	153	212	220	1,088	1,132	504	524
Phoenix, AZ	690	808	256	300	197	231	1,312	1,537	669	784
San Antonio, TX	392	465	64	75	133	157	2,258	2,680	407	483
Honolulu, HI [2]	450	559	91	113	279	347	234	291	381	473
Baltimore, MD [2]	1,335	1,749	694	909	458	600	1,037	1,359	1,178	1,543
San Francisco, CA [2]	1,747	2,451	645	904	564	791	1,389	1,949	1,353	1,898
Indianapolis, IN [2]	540	760	187	263	198	279	432	608	511	720
San Jose, CA	459	669	84	123	214	311	511	744	416	606
Memphis, TN	643	991	384	592	140	216	674	1,040	560	864
Washington, DC [2]	2,877	4,620	1,022	1,642	1,574	2,526	2,391	3,838	2,835	4,551
Milwaukee, WI	471	759	229	369	118	190	512	825	429	691
Jacksonville, FL [2]	529	915	118	203	137	237	2,714	4,695	380	657
Boston, MA [2]	1,090	1,910	560	981	373	652	616	1,078	938	1,643
Columbus, OH	355	627	78	138	169	298	753	1,330	334	589
New Orleans, LA [2]	582	1,041	149	266	257	460	796	1,424	568	1,015
Cleveland, OH	424	776	131	240	209	382	390	714	392	718
Denver, CO [2]	740	1,466	142	282	280	555	670	1,326	675	1,338
Seattle, WA	444	910	93	191	214	437	637	1,304	380	777
El Paso, TX	206	449	42	90	71	152	345	743	181	391
Nashville-Davidson, TN [2]	577	1,249	143	310	271	586	1,177	2,545	561	1,214
Kansas City, MO	443	1,000	70	158	242	547	430	970	381	859
Oklahoma City, OK	318	717	45	102	130	292	390	879	291	657
St. Louis, MO [2]	465	1,082	107	249	235	548	406	946	461	1,075
Atlanta, GA	501	1,175	102	239	167	392	1,019	2,392	418	981
Fort Worth, TX	270	651	52	126	120	290	515	1,243	246	594
Pittsburgh, PA	308	765	77	190	188	467	378	940	306	760
Austin, TX	357	900	34	87	120	301	1,515	3,816	362	912
Long Beach, CA	437	1,153	94	248	118	312	423	1,117	365	962
Tulsa, OK	339	905	38	101	139	370	848	2,265	299	799
Miami, FL	239	642	57	152	138	371	237	635	226	606
Cincinnati, OH	357	964	108	290	150	405	200	541	334	901
Baton Rouge, LA [2]	272	737	55	148	120	327	629	1,707	262	711
Portland, OR	275	753	66	182	119	324	506	1,383	256	701
Tucson, AZ	275	753	99	270	94	256	627	1,715	249	682
Minneapolis, MN	524	1,483	152	424	118	329	1,574	4,392	415	1,159
Oakland, CA	374	1,062	59	167	136	385	717	2,038	337	957
Albuquerque, NM	346	988	122	348	85	244	818	2,334	314	895
Toledo, OH	218	635	49	142	104	302	189	549	196	569
Buffalo, NY	495	1,460	320	943	106	318	254	749	530	1,564
Omaha, NE	184	552	44	132	102	305	173	518	176	527
Charlotte, NC	225	680	50	152	103	311	297	897	190	574
Newark, NJ	286	909	174	552	73	233	157	498	258	820
Virginia Beach, VA [2]	358	1,159	131	426	176	570	324	1,049	326	1,056
Sacramento, CA	179	588	26	87	90	295	126	414	165	543
Louisville, KY	182	626	40	140	93	321	564	1,947	165	569
Wichita, KS	266	937	39	138	63	221	1,182	4,168	246	869
Norfolk, VA [2]	362	1,296	142	508	145	519	363	1,297	363	1,299
Birmingham, AL	208	745	39	138	105	375	436	1,558	200	716
Tampa, FL	229	831	51	184	76	277	572	2,075	250	908
Fresno, CA	141	529	34	128	65	244	160	599	145	542
St. Paul, MN	272	1,023	90	337	66	256	838	3,152	264	994
Corpus Christi, TX	130	502	24	94	57	220	290	1,124	131	507
Colorado Springs, CO	220	887	35	142	63	253	328	1,324	162	653
Rochester, NY	395	1,630	225	928	126	519	238	981	363	1,496
St. Petersburg, FL	139	577	38	157	45	185	186	769	120	495
Anaheim, CA	155	664	22	93	67	285	486	2,080	157	672
Akron, OH	150	680	34	152	68	299	131	580	154	678
Anchorage, AK	722	3,187	388	1,710	124	547	752	3,320	684	3,018

[1] Based on estimated population as of July 1, 1984. [2] Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF85, No. 4, annual.

Digitized by Google

NO. 457. CITY GOVERNMENTS—FINANCES,

[In millions of dollars. For fiscal year closed

CITIES RANKED BY POPULATION SIZE, 1984 [1]	REVENUE								Gross debt outstanding
	Total [2]	General revenue						Utility revenue	
		Total [2]	Intergovernmental revenue		Taxes				
			From State and local govt's.	From Federal Government	Total [2]	Property	Sales and gross receipts		
New York, NY [3]	27,197	23,048	7,780.7	1,539.9	10,634.4	4,273.0	2,681.0	1,488.2	12,937
Los Angeles, CA	4,254	2,334	247.3	211.7	1,155.5	374.8	554.6	1,466.2	3,671
Chicago, IL	2,581	2,166	329.5	317.3	1,160.4	396.2	644.5	163.2	1,901
Houston, TX	1,434	1,175	40.6	72.4	597.7	337.9	245.1	150.5	2,338
Philadelphia, PA [3]	2,692	1,983	315.1	152.3	1,141.4	227.6	16.2	577.5	2,381
Detroit, MI	1,763	1,393	512.9	169.3	484.6	177.1	51.5	134.7	936
Dallas, TX	859	670	54.6	53.6	376.4	197.4	166.6	106.9	900
San Diego, CA	786	626	94.9	52.3	211.7	72.8	120.1	82.7	1,086
Phoenix, AZ	782	690	179.4	76.7	197.2	87.0	116.7	66.7	1,312
San Antonio, TX	1,202	392	22.4	41.1	133.6	65.0	61.8	797.5	2,258
Honolulu, HI [3]	506	450	20.1	70.8	279.4	226.1	32.3	55.6	234
Baltimore, MD [3]	1,464	1,335	610.8	83.3	457.8	300.9	35.2	38.4	1,037
San Francisco, CA [3]	2,079	1,747	450.6	194.0	563.5	287.1	142.0	144.1	1,389
Indianapolis, IN [3]	557	540	134.8	51.8	197.9	180.2	11.4	7.8	432
San Jose, CA	518	459	55.4	28.7	213.5	70.3	100.0	49	511
Memphis, TN	1,439	643	336.8	47.4	140.2	101.6	26.5	734.3	674
Washington, DC [3]	3,116	2,877	26.3	996.1	1,574.4	455.1	494.2	40.6	2,391
Milwaukee, WI	592	471	194.1	34.9	117.8	110.5	2.1	32.8	512
Jacksonville, FL [3]	1,003	529	67.3	50.3	136.9	96.7	31.5	443.3	2,714
Boston, MA [3]	1,179	1,090	487.5	72.3	372.6	350.7	8.2	27.7	616
Columbus, OH	420	355	34.2	43.8	168.7	13.8	2.8	64.8	753
New Orleans, LA [3]	645	582	64.0	84.8	256.9	73.9	171.3	41.5	796
Cleveland, OH	531	424	46.7	84.4	208.7	42.3	1.8	106.3	390
Denver, CO [3]	808	740	106.0	36.4	280.1	85.7	170.4	64.9	670
Seattle, WA	721	444	61.5	31.7	213.8	63.8	99.4	231.4	637
El Paso, TX	253	208	7.7	34.1	70.8	39.3	28.5	26.5	345
Nashville-Davidson, TN [3]	1,027	577	109.9	33.5	271.4	129.2	117.2	420.4	1,177
Kansas City, MO	503	443	22.5	47.4	242.2	31.2	115.4	33.3	430
Oklahoma City, OK	352	318	6.0	39.4	129.5	23.7	100.7	27.3	390
St. Louis, MO [3]	532	465	40.8	66.0	235.2	31.0	105.4	16.9	406
Atlanta, GA	596	501	25.2	76.7	187.0	65.0	80.2	52.7	1,019
Fort Worth, TX	338	270	11.7	40.5	120.2	67.0	48.4	45.0	515
Pittsburgh, PA	329	308	37.5	39.1	188.1	83.4	14.8	8.2	378
Austin, TX	795	357	6.7	27.6	119.6	65.3	46.4	410.4	1,515
Long Beach, CA	623	437	58.0	35.9	118.3	45.3	60.3	184.8	423
Tulsa, OK	375	339	12.1	25.9	138.7	16.7	119.3	33.9	848
Miami, FL	279	239	31.1	25.5	138.4	93.1	36.2	–	237
Cincinnati, OH	431	357	52.3	55.3	150.2	28.9	1.4	37.7	200
Baton Rouge, LA [3]	298	272	24.2	30.4	120.5	28.7	83.1	3.0	629
Portland, OR	309	275	36.7	27.9	118.7	85.3	19.4	30.4	506
Tucson, AZ	327	275	70.8	28.0	93.5	12.3	76.1	42.3	627
Minneapolis, MN	636	524	103.7	48.4	117.7	97.8	12.6	20.4	1,574
Oakland, CA	398	374	26.2	32.5	135.6	58.8	50.5	–	717
Albuquerque, MN	382	346	81.6	40.2	85.4	35.7	45.6	35.3	818
Toledo, OH	235	218	20.0	27.0	103.7	10.8	.5	17.1	189
Buffalo, NY	510	495	250.9	68.9	107.7	95.6	9.3	15.1	254
Omaha, NE	197	184	22.9	21.2	101.7	48.9	45.6	–	173
Charlotte, NC	250	225	27.5	22.8	102.7	80.4	18.2	19.4	297
Newark, NJ	313	286	146.9	26.7	73.2	51.6	4.9	26.3	157
Virginia Beach, VA [3]	378	358	112.6	18.8	175.8	104.0	50.1	20.6	324
Sacramento, CA	212	179	18.8	7.8	89.8	26.4	51.4	12.2	126
Louisville, KY	234	182	8.6	31.9	93.0	29.3	11.3	44.5	564
Wichita, KS	292	266	19.4	19.7	62.6	41.9	18.3	18.9	1,182
Norfolk, VA [3]	405	362	105.0	37.0	145.3	74.0	54.4	22.4	363
Birmingham, AL	237	208	13.0	25.5	105.1	18.5	33.3	–	436
Tampa, FL	300	229	29.5	21.2	76.3	26.8	43.0	36.6	572
Fresno, CA	168	141	21.0	13.2	65.2	25.6	32.6	7.7	160
St. Paul, MN	296	272	58.6	31.1	68.1	46.7	18.0	17.8	838
Corpus Christi, TX	185	130	3.8	20.4	56.8	30.1	25.3	55.0	290
Colorado Springs, CO	458	220	15.1	20.1	62.7	11.4	50.1	236.8	328
Rochester, NY	413	395	191.4	33.7	125.9	111.5	1.4	17.9	238
St. Petersburg, FL	179	139	16.0	22.0	44.7	24.1	18.7	31.1	186
Anaheim, CA	339	155	13.3	8.4	66.8	21.7	41.1	183.7	486
Akron, OH	166	150	11.9	22.6	67.8	11.0	.1	16.0	131
Anchorage, AK	790	722	367.3	20.4	124.0	155.5	3.3	55.1	752

– Represents zero. Z Less than $50,000. [1] Based on 1984 estimated resident population. [2] Includes other categories, not shown separately. [3] Represents, in effect, city-county consolidated government.

Digitized by Google

LARGEST CITIES: 1985

in the 12 months ending June 30, 1985. See headnote, table 456]

EXPENDITURE										
	General expenditure									
Total [2]	Total [3]	Education	Housing and community development	Public welfare	Health and hospitals	Police protection	Fire protection	Highways	Utility expenditure	CITIES RANKED BY POPULATION SIZE, 1984 [1]
24,968	20,590	4,329.9	1,308.1	4,246.7	2,169.7	1,176.5	560.4	568.9	2,513.8	New York, NY [2]
3,830	1,940	3.4	154.2	-	5.1	422.5	164.5	97.0	1,294.8	Los Angeles, CA
2,334	1,992	27.2	90.3	56.3	50.8	475.4	167.5	183.8	133.5	Chicago, IL
1,246	1,024	-	10.3	-	28.3	183.0	111.4	66.5	186.4	Houston, TX
2,581	1,839	21.0	112.3	102.7	154.3	235.9	86.7	75.2	579.7	Philadelphia, PA [2]
1,516	1,145	6.8	105.3	-	68.5	187.1	60.8	120.5	194.2	Detroit, MI
778	585	-	13.6	-	7.9	112.5	59.1	46.0	145.1	Dallas, TX
638	504	-	53.3	(Z)	.2	80.8	37.1	30.5	106.7	San Diego, CA
779	669	4.6	30.2	.8	.7	95.3	46.1	105.7	94.6	Phoenix, AZ
1,463	407	3.3	14.1	3.3	21.4	56.2	27.1	29.7	1,047.3	San Antonio, TX
491	381	-	19.1	-	5.1	64.9	28.3	31.2	110.2	Honolulu, HI [2]
1,256	1,178	363.0	30.2	.5	39.7	112.5	57.7	150.5	41.8	Baltimore, MD [2]
1,853	1,353	33.2	49.2	163.8	263.5	115.9	62.3	10.3	350.4	San Francisco, CA [2]
564	511	1.7	17.7	53.2	106.7	47.7	22.3	30.9	34.4	Indianapolis, IN [2]
437	416	-	35.4	-	5.5	57.9	33.7	86.5	6.6	San Jose, CA
1,338	560	268.3	10.3	.2	11.9	53.5	43.1	16.0	738.4	Memphis, TN
3,134	2,835	473.1	164.4	486.2	265.9	181.9	67.7	89.8	64.8	Washington, DC [2]
492	429	-	31.1	-	16.3	82.7	40.5	48.1	26.3	Milwaukee, WI
1,091	380	(Z)	42.8	6.2	22.9	45.5	28.5	25.9	690.0	Jacksonville, FL [2]
1,097	938	286.8	66.8	2.3	110.8	80.6	61.7	31.7	25.6	Boston, MA [2]
416	334	-	12.2	-	14.0	59.7	34.4	28.5	82.5	Columbus, OH
625	568	-	50.9	10.8	13.0	58.1	32.7	51.3	37.3	New Orleans, LA [2]
508	392	-	45.1	1.3	12.0	93.4	41.6	28.4	115.3	Cleveland, OH
776	675	-	9.9	79.0	105.4	77.8	38.3	28.1	92.1	Denver, CO [2]
683	380	-	16.2	-	3.9	55.4	39.3	14.7	261.1	Seattle, WA
228	181	(Z)	2.9	.2	6.8	26.9	16.4	19.8	38.9	El Paso, TX
1,051	561	185.4	11.4	5.8	44.8	39.7	19.4	18.1	461.3	Nashville-Davidson, TN [2]
425	381	19.8	32.6	.1	25.7	59.5	25.1	36.7	30.8	Kansas City, MO
335	291	-	12.4	-	45.6	30.0	21.4	19.3	40.6	Oklahoma City, OK
506	461	1.8	38.4	2.0	60.9	72.8	21.7	30.0	16.5	St. Louis, MO [2]
506	418	14.9	15.4	3.3	.2	38.4	26.2	19.5	40.1	Atlanta, GA
316	246	-	14.8	-	4.5	30.8	21.8	28.4	59.6	Fort Worth, TX
337	306	-	17.8	(Z)	5.8	57.5	32.1	35.5	6.2	Pittsburgh, PA
899	362	.6	7.7	.6	88.6	37.6	20.1	11.0	528.1	Austin, TX
559	365	.5	30.3	-	6.0	61.4	38.8	22.3	194.1	Long Beach, CA
357	299	.1	9.1	-	3.5	30.0	25.0	36.2	56.4	Tulsa, OK
245	226	.3	14.3	1.4	.2	51.3	34.4	14.0	-	Miami, FL
397	334	-	48.8	-	23.6	45.4	34.9	21.9	35.5	Cincinnati, OH
277	262	-	7.6	1.0	16.4	24.0	14.1	39.7	4.9	Baton Rouge, LA [2]
318	256	-	9.7	-	11.3	48.2	33.7	17.7	41.8	Portland, OR
316	249	-	15.9	2.1	-	33.2	18.7	34.3	63.3	Tucson, AZ
486	415	-	62.6	-	7.3	36.7	22.7	39.6	18.2	Minneapolis, MN
372	337	1.3	23.7	-	.4	43.0	25.5	18.1	-	Oakland, CA
383	314	-	11.1	-	3.4	33.5	17.6	17.7	49.7	Albuquerque, NM
213	196	-	18.1	-	3.7	36.5	25.1	18.5	16.7	Toledo, OH
545	530	217.4	63.6	-	1.2	31.8	27.3	30.9	15.1	Buffalo, NY
182	176	.1	12.6	-	1.7	24.3	18.2	25.1	-	Omaha, NE
232	190	-	2.8	.1	1.2	23.7	17.5	23.6	39.8	Charlotte, NC
279	258	.6	18.3	35.7	5.8	41.0	30.8	1.2	15.0	Newark, NJ
351	326	147.3	.2	8.2	7.5	21.2	12.2	26.9	24.5	Virginia Beach, VA [2]
190	165	-	3.4	-	-	37.0	24.1	21.8	12.2	Sacramento, CA
211	165	-	8.2	6.3	6.1	26.3	18.3	6.7	39.3	Louisville, KY
275	246	-	4.6	-	4.2	16.1	11.0	23.4	20.1	Wichita, KS
393	363	119.6	39.8	20.1	19.1	21.5	15.7	16.9	22.3	Norfolk, VA [2]
210	200	5.8	9.8	-	1.5	21.5	19.0	17.6	-	Birmingham, AL
287	250	-	6.1	-	(Z)	34.3	17.0	14.3	21.3	Tampa, FL
179	145	-	2.7	-	-	29.7	14.2	16.2	18.7	Fresno, CA
290	264	-	14.0	-	5.4	23.3	16.9	20.1	16.3	St. Paul, MN
188	131	-	2.7	.2	3.8	14.7	9.2	13.0	57.4	Corpus Christi, TX
439	162	-	.7	.4	39.5	17.6	11.5	12.7	277.2	Colorado Springs, CO
374	363	174.0	15.8	.7	-	24.8	19.7	18.5	11.1	Rochester, NY
173	120	-	6.7	-	-	22.9	9.3	11.6	45.6	St. Petersburg, FL
368	157	-	14.7	-	-	27.0	13.3	8.6	210.7	Anaheim, CA
174	154	-	32.1	-	3.3	18.8	16.2	13.5	19.8	Akron, OH
659	664	290.6	-	7.0	13.6	37.8	22.8	34.5	171.7	Anchorage, AK

Source: U.S. Bureau of the Census, *City Government Finances in 1984-85*, series, GF85, No. 4.

Digitized by Google

NO. 458. CITY GOVERNMENTS—FINANCES, BY POPULATION-SIZE GROUPS: 1985

[For fiscal year closed in the 12 months ending June 30, 1985. Represents all municipalities and their dependent agencies, including dependent school systems where applicable]

ITEM	All cities [1]	CITIES HAVING A 1984 POPULATION OF—						
		Less than 50,000 [1]	50,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1985	19,185	18,751	258	103	22	27	18	6
Population, 1984 (1,000)	146,706	68,754	18,055	14,030	5,343	10,303	12,526	17,695
FINANCES, 1985 (mil. dol.)								
General revenue [2]	**114,627**	**31,985**	**11,274**	**10,371**	**5,002**	**9,274**	**14,822**	**32,099**
Taxes [2]	47,647	11,954	4,896	4,244	1,764	3,729	5,886	15,174
Property	23,459	6,956	2,950	2,554	896	1,519	2,797	5,787
Percent of total taxes	49.2	58.2	60.3	60.2	50.8	40.7	47.5	38.1
Sales and gross receipts	13,876	3,407	1,392	1,207	543	1,440	1,694	4,193
Intergovernmental [2]	35,838	8,869	3,001	3,138	1,645	2,408	5,088	11,689
From State governments	23,062	5,332	1,696	1,941	1,089	1,240	2,662	8,922
From Federal Government	10,292	2,439	929	939	438	961	2,103	2,463
Revenue sharing	2,450	888	270	230	110	208	248	496
Current charges	16,514	5,697	1,837	1,654	825	1,541	1,848	3,112
Water supply and other utilities revenue [3]	26,485	11,723	2,380	2,835	933	1,771	2,863	3,980
General expenditure [2]	**105,647**	**29,962**	**10,850**	**9,890**	**4,831**	**8,472**	**13,111**	**28,531**
Police and fire protection	19,372	6,325	2,378	2,059	815	1,726	2,238	3,831
Education	11,433	1,568	1,124	1,454	875	590	1,434	4,388
Sewerage and sanitation	11,446	4,530	1,209	1,076	478	1,005	1,270	1,878
Highways	8,709	3,858	1,056	862	313	642	866	1,112
Health and hospitals	6,575	1,597	525	380	193	380	1,023	2,477
Housing and community development	5,100	850	532	465	253	520	699	1,781
Public welfare	5,762	167	65	170	85	61	808	4,406
Interest on general debt	6,859	2,089	716	624	448	828	943	1,211
Water supply and other utilities expenditure [3]	29,537	12,076	2,523	2,997	1,160	2,070	3,809	4,902
Gross debt outstanding	**143,870**	**48,863**	**15,230**	**13,170**	**8,856**	**14,910**	**18,677**	**24,164**
Long-term	138,643	47,534	14,677	12,775	8,560	14,537	17,928	22,632
Short-term	5,227	1,330	553	395	295	373	749	1,532
PERCENT DISTRIBUTION								
General revenue [2]	**100.0**	**27.9**	**9.8**	**9.0**	**4.4**	**8.1**	**12.8**	**28.0**
Taxes [2]	100.0	25.1	10.3	8.9	3.7	7.8	12.4	31.8
Property	100.0	29.7	12.6	10.9	3.8	6.5	11.9	24.7
Sales and gross receipts	100.0	24.6	10.0	8.7	3.9	10.4	12.2	30.2
Intergovernmental	100.0	24.7	8.4	8.8	4.6	6.7	14.2	32.6
Current charges	100.0	34.5	11.1	10.0	5.0	9.3	11.2	18.8
General expenditure [2]	**100.0**	**28.4**	**10.3**	**9.4**	**4.6**	**8.0**	**12.4**	**27.0**
Police and fire protection	100.0	32.7	12.3	10.6	4.2	8.9	11.6	19.8
Education	100.0	13.7	9.8	12.7	7.7	5.2	12.5	38.4
Sewerage and sanitation	100.0	39.6	10.6	9.4	4.2	8.8	11.1	16.4
Highways	100.0	44.3	12.1	9.9	3.6	7.4	9.9	12.8
Health and hospitals	100.0	24.3	8.0	5.8	2.9	5.8	15.6	37.7
Housing and community development	100.0	16.7	10.4	9.1	5.0	10.2	13.7	34.9
Public welfare	100.0	2.9	1.1	3.0	1.5	1.1	14.0	76.5
Interest on general debt	100.0	30.5	10.4	9.1	6.5	12.1	13.7	17.7
PER CAPITA [4] (dollars)								
General revenue [2]	**781**	**465**	**624**	**739**	**936**	**900**	**1,167**	**1,814**
Taxes [2]	325	174	271	302	330	362	470	858
Property	160	101	163	182	168	147	223	327
Sales and gross receipts	95	50	77	86	102	140	135	237
Intergovernmental [2]	244	129	166	224	308	234	406	661
From State governments	157	78	105	138	204	120	213	504
From Federal Government	70	35	52	67	82	95	168	139
Revenue sharing	17	13	15	16	21	20	20	28
Current charges	113	83	102	118	154	150	148	176
Water supply and other utilities revenue [3]	180	171	132	202	175	172	229	225
General expenditure [2]	**720**	**436**	**601**	**705**	**904**	**822**	**1,047**	**1,612**
Police and fire protection	132	92	132	147	153	168	179	217
Education	78	23	62	104	164	57	114	248
Sewerage and sanitation	78	66	67	77	89	98	101	106
Highways	59	56	58	61	59	62	69	63
Health and hospitals	45	23	29	27	36	37	82	140
Public welfare	39	3	4	12	16	6	65	249
Housing and community development	35	13	29	33	47	50	56	101
Interest on general debt	47	30	40	44	84	80	75	68
Water supply and other utilities expenditure [3]	201	176	140	214	217	201	304	277
Gross debt outstanding	**981**	**711**	**844**	**939**	**1,658**	**1,447**	**1,491**	**1,366**
Long-term	945	691	813	911	1,602	1,411	1,431	1,279
Short-term	36	19	31	28	55	36	60	87

[1] Data are estimates subject to sampling variation; see source and Appendix III. [2] Includes items not shown separately. [3] Includes liquor stores. [4] Based on resident population estimated as of July 1, 1984.

Source: U.S. Bureau of the Census, *City Government Finances in 1984–85*, series GF85, No. 4.

Digitized by Google

No. 459. Estimated State and Local Taxes Paid by a Family of Four in Selected Large Cities, by Income Level: 1986

[Preliminary. Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation]

City	Total taxes paid by gross family income level (dol.)					Percent of income by income level				
	$20,000	$35,000	$50,000	$75,000	$100,000	$20,000	$35,000	$50,000	$75,000	$100,000
Atlanta, GA	1,912	3,387	4,961	7,473	9,763	9.6	9.7	9.9	10.0	9.8
Baltimore, MD	1,992	3,698	5,309	7,981	10,579	10.0	10.6	10.6	10.6	10.6
Bridgeport, CT	3,433	5,493	8,093	12,032	15,243	17.2	15.7	16.2	16.0	15.2
Burlington, VT	1,694	2,905	4,316	6,884	9,619	8.5	8.3	8.6	9.2	9.6
Charleston, WV	1,479	2,442	3,812	6,333	9,189	7.4	7.0	7.6	8.4	9.2
Charlotte, NC	1,538	2,672	4,058	6,224	8,380	7.7	7.6	8.1	8.3	8.4
Chicago, IL	1,849	3,083	4,507	6,588	8,524	9.2	8.8	9.0	8.8	8.5
Cleveland, OH	1,752	3,154	4,624	7,243	9,982	8.8	9.0	9.2	9.7	10.0
Columbia, SC	1,810	2,868	4,267	6,444	8,492	9.1	8.2	8.5	8.6	8.5
Denver, CO	2,086	3,581	5,237	8,154	10,656	10.4	10.2	10.5	10.9	10.7
Des Moines, IA	1,932	3,437	5,097	7,810	10,380	9.7	9.8	10.2	10.4	10.4
Detroit, MI	2,427	4,158	6,012	8,957	11,887	12.1	11.9	12.0	11.9	11.9
Honolulu, HI	1,849	3,280	4,793	7,383	10,071	9.2	9.4	9.6	9.8	10.1
Indianapolis, IN	2,220	3,586	5,140	7,821	9,700	11.1	10.3	10.3	10.2	9.7
Los Angeles, CA	1,762	3,097	5,433	7,987	11,366	8.8	8.8	10.9	10.6	11.4
Louisville, KY	1,811	2,943	4,233	6,226	8,042	9.1	8.4	8.5	8.3	8.0
Memphis, TN	1,597	2,347	3,220	4,381	5,480	8.0	6.7	6.4	5.8	5.5
Milwaukee, WI	2,359	4,418	6,832	10,444	14,005	11.8	12.6	13.3	13.9	14.0
Newark, NJ	3,522	5,890	8,513	12,755	16,543	17.6	16.8	17.0	17.0	16.5
New York City, NY	1,917	3,624	5,507	8,885	12,448	9.6	10.4	11.0	11.8	12.4
Norfolk, VA	1,506	2,595	3,824	6,383	7,692	7.5	7.4	7.6	8.5	7.7
Omaha, NE	1,647	2,671	4,002	6,194	8,406	8.2	7.6	8.0	8.3	8.4
Philadelphia, PA	2,545	4,188	5,836	8,495	10,987	12.7	12.0	11.7	11.3	11.0
Portland, ME	2,090	3,773	5,743	9,345	12,682	10.5	10.8	11.5	12.5	12.7
Portland, OR	2,311	4,192	6,084	9,386	12,741	11.6	12.0	12.2	12.5	12.7
Providence, RI	2,336	3,861	5,949	9,230	12,148	11.7	11.0	11.9	12.3	12.1
St. Louis, MO	1,519	2,520	3,657	5,351	6,935	7.6	7.2	7.3	7.1	6.9
Salt Lake City, UT	1,802	3,017	4,297	6,181	7,883	9.0	8.6	8.6	8.2	7.9
Sioux Falls, SD	1,846	2,799	3,876	5,414	6,770	9.2	8.0	7.8	7.2	6.8
Washington, DC	1,880	3,368	5,073	7,586	11,090	9.4	9.6	10.1	10.1	11.1
Median [1]	1,597	2,714	4,058	6,226	8,406	8.0	7.8	8.1	8.3	8.4

[1] Median of all 51 cities. For complete list of cities, see table 460.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, DC Compared With Those in The Largest City in Each of the 50 States, 1986.*

No. 460. Residential Property Tax Rates in Selected Large Cities: 1986

City	Effective tax rate per $100		Assessment level (percent)	Nominal rate per $100	City	Effective tax rate per $100		Assessment level (percent)	Nominal rate per $100
	Rank	Rate				Rank	Rate		
Newark, NJ	1	5.29	41.2	12.83	Fargo	26	1.49	4.5	33.16
Detroit	2	4.03	49.3	8.17	Boston	27	1.35	100.0	1.35
Bridgeport	3	3.94	59.7	6.60	Louisville	28	1.29	92.0	1.40
Indianapolis	4	3.73	33.3	11.19	Billings	29	1.26	3.7	34.16
Milwaukee	5	3.41	99.3	3.43	Albuquerque	30	1.23	33.3	3.69
Des Moines	6	2.94	75.7	3.88	New York City	31	1.22	13.1	9.33
Portland, OR	7	2.76	100.0	2.76	Jackson	32	1.21	10.0	12.06
Baltimore	8	2.70	43.5	6.21	Oklahoma City	33	1.21	13.5	8.93
					St. Louis	34	1.16	19.0	6.11
Providence	9	2.58	35.8	7.25	Washington, DC	35	1.15	94.0	1.22
Philadelphia	10	2.54	34.0	7.48	New Orleans	36	1.14	10.0	11.41
Sioux Falls	11	2.32	35.8	6.48	Salt Lake City	37	1.11	60.0	1.85
Manchester	12	2.23	26.0	8.57	Norfolk	38	1.10	88.0	1.25
Omaha	13	2.22	87.0	2.55	Wichita	39	1.08	8.2	13.15
Minneapolis	14	2.18	19.6	11.12	Charleston, WV	40	1.07	62.0	1.73
Chicago	15	2.09	16.0	13.07	Seattle	41	1.07	93.0	1.15
Denver	16	2.02	21.0	9.60	Los Angeles	42	1.05	100.0	1.05
Atlanta	17	1.97	40.0	4.93					
					Charlotte	43	1.01	75.0	1.34
Jacksonville	18	1.85	96.2	1.92	Columbia	44	.97	4.0	24.32
Portland, ME	19	1.83	65.0	2.82	Anchorage	45	.94	100.0	.94
Cleveland	20	1.82	35.0	5.20	Little Rock	46	.92	20.0	4.61
Burlington	21	1.82	100.0	1.82	Las Vegas	47	.88	34.4	2.57
Memphis	22	1.78	25.0	7.11	Casper	48	.78	11.0	7.08
Houston	23	1.68	100.0	1.68	Phoenix	49	.71	7.0	10.20
Boise City	24	1.57	99.2	1.58	Birmingham	50	.70	10.0	6.95
Wilmington, DE	25	1.50	100.0	1.50	Honolulu	51	.60	90.8	.66

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Burdens in Washington, DC Compared With Those in The Largest City in Each of the 50 States, 1986.*

Digitized by Google

No. 461. Governmental Employment and Payrolls: 1970 to 1985

[For **October**. Covers both full-time and part-time employees. Except for 1977 and 1982, local government data are estimates subject to sampling variation; see source, and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 272-307]

TYPE OF GOVERNMENT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
EMPLOYEES (1,000)											
Total	**13,028**	**14,973**	**15,459**	**15,626**	**15,971**	**16,213**	**15,966**	**15,841**	**16,034**	**16,436**	**16,690**
Federal (civilian) [1]	2,881	2,890	2,848	2,885	2,869	2,898	2,865	2,848	2,875	2,942	3,021
State and local	10,147	12,084	12,611	12,743	13,102	13,315	13,103	12,993	13,159	13,494	13,669
Percent of total	77.9	80.7	81.6	81.5	82.0	82.1	82.1	82.0	82.1	82.1	81.9
State	2,755	3,271	3,491	3,539	3,699	3,753	3,726	3,744	3,816	3,898	3,984
Local	7,392	8,813	9,120	9,204	9,403	9,562	9,377	9,249	9,344	9,595	9,685
Counties	1,229	1,563	1,761	1,768	1,804	1,853	1,808	1,824	1,811	1,872	1,891
Municipalities	2,244	2,506	2,469	2,509	2,553	2,561	2,469	2,397	2,424	2,434	2,467
School districts	3,316	3,969	4,127	4,113	4,200	4,270	4,222	4,194	4,211	4,387	4,416
Townships	330	392	361	411	401	394	386	356	379	386	392
Special districts	275	383	402	403	445	484	492	478	519	516	519
OCTOBER PAYROLLS (mil. dol.)											
Total	**8,334**	**13,224**	**15,338**	**16,483**	**18,077**	**19,935**	**21,193**	**23,173**	**24,525**	**26,904**	**28,945**
Federal (civilian) [1]	2,428	3,584	3,916	4,344	4,726	5,205	5,239	5,959	6,301	7,137	7,580
State and local	5,906	9,640	11,420	12,139	13,349	14,730	15,954	17,214	18,224	19,767	21,365
Percent of total	70.9	72.9	74.5	73.7	73.6	73.9	75.3	74.2	74.3	73.5	73.8
State	1,612	2,653	3,195	3,483	3,869	4,285	4,668	5,022	5,346	5,615	6,329
Local	4,294	6,987	8,225	8,656	9,480	10,445	11,287	12,192	12,878	13,952	15,036
Counties	640	1,183	1,489	1,564	1,726	1,936	2,083	2,267	2,387	2,596	2,819
Municipalities	1,361	2,129	2,412	2,535	2,729	2,951	3,222	3,428	3,640	3,872	4,191
School districts	2,032	3,160	3,707	3,897	4,272	4,683	5,021	5,442	5,729	6,283	6,746
Townships	122	215	250	269	291	330	349	370	398	421	446
Special districts	140	300	367	392	463	546	612	685	724	780	834
AVERAGE ANNUAL PERCENT CHANGE [2]											
Employees, total	**4.2**	**2.8**	**2.1**	**1.1**	**2.2**	**1.5**	**−1.5**	**−.8**	**1.2**	**2.5**	**1.5**
Federal (civilian) [1]	2.2	.6	−.7	1.3	−.5	1.0	−1.2	−.6	.9	2.4	2.7
State	6.3	3.5	3.3	1.4	4.5	1.5	−.7	−.5	1.9	2.1	2.2
Local	4.4	3.6	1.7	.9	2.2	1.7	−1.9	−1.4	1.0	2.7	.9
Counties	4.7	4.9	6.2	.4	2.0	2.7	2.4	.9	−.7	3.4	1.0
Municipalities	3.6	2.2	−.7	1.6	1.6	.3	−3.6	−2.9	1.1	.4	1.4
School districts	5.0	3.7	2.0	−.3	2.1	1.7	−1.1	−.7	.4	4.2	.7
Townships	3.2	3.5	−4.0	13.9	−2.4	−1.7	−2.0	−.8	6.5	1.8	1.6
Special districts	3.6	6.9	2.5	.2	10.4	8.8	1.7	−2.8	8.6	−.6	.6
Payrolls, total	**11.3**	**9.4**	**7.7**	**7.5**	**9.7**	**10.3**	**6.3**	**9.3**	**5.8**	**9.7**	**7.6**
Federal (civilian) [1]	10.3	8.1	4.6	10.9	8.7	10.1	.6	13.7	5.7	13.3	6.2
State	13.7	10.5	9.7	9.0	11.1	10.8	8.9	7.6	6.5	8.8	8.8
Local	11.0	10.2	8.5	5.2	9.5	10.2	8.1	8.0	5.6	8.3	7.6
Counties	11.2	13.1	12.2	5.0	10.4	12.2	7.6	9.6	4.4	8.8	8.6
Municipalities	10.7	9.4	6.4	5.1	7.7	8.1	9.2	6.4	6.2	6.4	8.2
School districts	11.3	9.2	6.3	5.1	9.6	9.6	7.2	8.4	5.3	9.7	7.4
Townships	6.5	12.0	7.8	7.6	6.2	13.4	5.8	6.0	7.6	5.6	5.9
Special districts	10.0	16.5	10.6	6.8	18.1	17.9	12.1	8.7	6.9	7.7	6.9

[1] Includes employees outside U.S. [2] Represents average for period of interval shown; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 5, Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

No. 462. Governmental Employment and Payrolls, by Level of Government and by Function: 1985

[For **October**. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source, and Appendix III]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (mil. dol.)				
	Total	Federal (civilian) [1]	State and local			Total	Federal (civilian) [1]	State and local		
			Total	State	Local			Total	State	Local
Total	**16,690**	**3,021**	**13,669**	**3,984**	**9,685**	**28,945**	**7,580**	**21,365**	**6,329**	**15,036**
National defense [2]	1,101	1,101	(x)	(x)	(x)	2,898	2,898	(x)	(x)	(x)
Postal Service	754	754	(x)	(x)	(x)	1,741	1,741	(x)	(x)	(x)
Education	7,119	15	7,104	1,764	5,340	10,722	38	10,684	2,444	8,240
Teachers	4,002	(x)	4,002	526	3,475	7,486	(x)	7,485	1,096	6,390
Highways	552	4	549	252	296	922	14	908	460	448
Health and hospitals	1,653	263	1,390	678	712	2,774	640	2,134	1,091	1,043
Public welfare	430	12	418	186	232	652	31	621	307	314
Police protection	780	66	694	61	613	1,516	188	1,328	175	1,153
Fire protection	317	(x)	317	(x)	317	554	(x)	554	(x)	554
Sanitation and sewerage	221	(x)	221	1	220	359	(x)	359	1	358
Parks and recreation	283	(x)	283	33	230	293	(x)	293	44	249
Natural resources	443	241	202	163	39	906	596	308	258	50
Financial administration	438	118	320	131	190	744	253	491	229	262
All other	2,638	447	2,191	695	1,496	4,867	1,161	3,686	1,321	2,365

X Not applicable. [1] Includes employees outside United States. [2] Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

Digitized by Google

No. 463. State and Local Government—Full-Time Employment and Salary, by Sex and Race/Ethnic Group: 1973 to 1985

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 48 in 1975, 47 in 1977, 45 in 1978, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 50 in 1984 and 1985) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonelected, nonappointed full-time employees. For definition of median, see Guide to Tabular Presentation]

Year and occupation	Employment (1,000)							Median annual salary ($1,000)					
					Minority						Minority		
	Total	Male	Female	White [1]	Total [2]	Black [1]	Hispanic	Male	Female	White [1]	Total [2]	Black [1]	Hispanic
1973	3,809	2,486	1,322	3,115	693	523	125	9.6	7.0	8.8	7.5	7.4	7.4
1975	3,899	2,496	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.6	8.9
1977	4,415	2,737	1,678	3,480	935	705	175	12.4	9.1	11.3	9.7	9.5	9.9
1978	4,447	2,711	1,736	3,481	966	723	161	13.3	9.7	12.0	10.4	10.1	10.7
1979	4,576	2,761	1,816	3,568	1,008	751	192	14.1	10.4	12.8	10.9	10.6	11.4
1980	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.8	11.5	12.3
1981	4,665	2,740	1,925	3,591	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7
1983	4,492	2,674	1,818	3,423	1,069	768	219	20.1	15.3	18.5	15.9	15.6	17.3
1984	4,580	2,700	1,880	3,458	1,121	799	233	21.4	16.2	19.6	17.4	16.5	18.4
1985, total	**4,742**	**2,789**	**1,952**	**3,563**	**1,179**	**835**	**248**	**22.3**	**17.3**	**20.6**	**18.4**	**17.5**	**19.2**
Officials/ administrators	252	181	71	221	31	21	7	33.4	26.4	31.7	29.6	29.0	30.6
Professionals	955	507	448	779	176	108	33	28.8	23.3	26.1	24.7	23.4	33.2
Technicians	472	286	186	375	97	64	21	23.0	17.9	21.1	19.5	18.5	21.3
Protective service	724	655	69	585	139	98	35	23.4	18.9	23.2	22.1	21.1	24.6
Paraprofessionals	368	108	260	233	135	113	17	17.3	15.0	15.6	15.3	15.1	17.0
Office/clerical	874	107	767	640	234	159	55	17.1	15.1	15.3	15.6	15.1	15.5
Skilled craft	397	382	15	313	84	53	24	20.7	15.0	20.5	20.7	19.5	21.4
Service/maintenance	700	563	137	416	284	219	56	16.8	13.3	16.3	15.9	15.3	16.5

[1] Nonhispanic. [2] Includes other minority groups, not shown separately.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

No. 464. State and Local Government Bargaining Agreements: 1984 to 1986

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

Item	Total			Units with—					
				1,000 to 4,999 workers			5,000 or more workers		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
Workers, total [1] (1,000):									
All settlements	722	1,475	873	359	595	450	363	880	423
State government	254	546	313	61	143	89	194	403	224
Local government	466	929	560	298	452	361	169	476	199
Average wage adjustment [2] (percent):									
First year of contract:									
All settlements	4.8	4.6	5.7	5.1	5.0	5.2	4.4	4.3	6.2
State government	3.6	4.8	6.3	3.9	4.7	5.0	3.6	4.8	6.8
Local government	5.4	4.4	5.3	5.4	5.1	5.1	5.5	3.8	5.6
Over the life of contract: [3]									
All settlements	5.1	5.4	5.7	5.1	5.4	5.4	5.1	5.3	6.0
State government	3.8	4.9	6.0	3.9	4.7	6.0	3.7	4.9	6.0
Local government	5.9	5.7	5.6	5.4	5.7	5.4	6.8	5.6	6.0
Total effective wage adjustments [4] (percent)	5.0	5.7	5.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Source:									
Current settlements	1.9	4.1	2.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Prior settlements	3.1	1.6	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State government	5.4	4.5	5.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Local government	4.7	6.5	5.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. Z Less than .05 percent. [1] Number of workers covered by settlements reached in each calendar year. [2] Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. [3] Average annual rate of change. [4] Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, May 1985; *Current Wage Developments*, May 1986 and March 1987; and unpublished data.

Digitized by Google

NO. 465. STATE AND LOCAL GOVERNMENT EMPLOYMENT (FULL-TIME EQUIVALENT) BY SELECTED FUNCTION, 1970 TO 1984, AND BY STATE, 1984

[In thousands, for October. Except 1982, local government data are estimates subject to sampling variation; see source and Appendix III. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education									
	State	Local	State	Local	State	Local	State	Local	State [1]	Local	State	Local
1970	803.0	3,454.6	722.2	119.4	482.0	469.0	296.6	271.4	55.8	583.7	97.3	152.5
1975	952.1	4,000.0	849.2	191.2	566.4	562.3	271.5	298.1	68.6	690.1	157.1	182.3
1980	1,062.6	4,276.3	947.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1981	1,062.5	4,239.6	951.7	210.2	654.3	639.3	244.1	265.4	73.1	753.1	169.4	199.7
1982	1,052.5	4,177.6	944.5	213.2	652.6	661.6	241.4	266.0	75.3	760.4	169.9	206.6
1983	1,072.1	4,164.6	965.7	193.9	637.9	651.9	239.5	265.4	75.9	760.3	172.5	203.1
1984	**1,091.0**	**4,303.7**	**981.2**	**197.6**	**644.1**	**642.9**	**243.9**	**274.5**	**78.7**	**774.4**	**174.5**	**208.7**
Region:												
Northeast	145.6	675.4	128.7	29.1	172.7	107.6	52.3	65.2	19.2	186.2	37.6	83.1
Midwest	304.9	1,060.4	285.0	48.4	126.3	152.3	48.3	77.9	15.8	182.3	44.5	58.2
South	401.5	1,560.0	360.4	58.1	257.5	259.6	96.0	88.6	25.2	249.0	70.5	28.7
West	239.0	808.0	207.1	62.0	67.7	123.4	45.2	42.6	18.4	156.7	21.9	38.8
N. Eng	**51.4**	**220.3**	**44.9**	**.2**	**41.4**	**14.0**	**15.4**	**14.1**	**4.7**	**48.7**	**15.4**	**5.0**
ME	6.0	23.0	4.7	–	2.6	1.1	2.6	1.6	.5	2.9	1.7	.1
NH	5.9	16.6	5.6	–	2.3	.1	1.7	1.3	.3	3.1	1.1	1.9
VT	3.6	10.4	3.4	–	1.1	–	1.1	.9	.4	.9	.7	–
MA	16.9	97.6	15.5	.2	20.0	11.4	4.6	6.0	1.7	26.5	8.2	1.1
RI	6.3	15.2	5.4	–	4.0	1.1	1.1	.6	.2	4.2	1.5	–
CT	12.6	57.3	10.3	–	11.4	1.4	4.4	3.4	1.4	11.2	2.2	1.8
Mid Atl	**94.1**	**655.1**	**83.8**	**28.9**	**131.3**	**93.6**	**36.9**	**51.1**	**14.5**	**137.5**	**22.2**	**78.0**
NY	46.4	310.4	41.2	16.7	80.7	74.3	14.5	30.6	5.3	77.3	6.8	51.3
NJ	23.0	152.0	20.1	6.5	20.2	14.0	6.3	10.2	4.3	30.6	4.6	9.8
PA	24.6	192.7	22.6	5.6	30.4	5.2	14.1	10.3	4.9	29.6	10.6	17.0
E. No. Cent	**206.7**	**629.6**	**193.9**	**34.6**	**77.8**	**103.8**	**26.2**	**49.8**	**10.5**	**135.4**	**27.9**	**44.5**
OH	50.7	182.6	48.4	2.6	21.4	26.1	6.5	13.0	2.0	32.0	1.4	16.5
IN	34.4	196.9	30.1	–	10.6	19.5	4.9	5.3	1.7	15.3	1.3	6.5
IL	39.7	192.5	37.1	16.2	16.9	22.6	7.3	11.6	3.3	47.3	10.7	5.0
MI	48.6	173.1	46.5	9.1	18.6	24.8	3.7	9.7	2.9	24.9	13.1	3.1
WI	33.2	84.5	31.7	6.5	6.3	10.7	1.8	10.0	.7	15.6	1.4	11.4
W. No. Cent	**96.2**	**330.9**	**91.1**	**13.8**	**48.5**	**48.7**	**22.1**	**28.0**	**5.2**	**46.9**	**16.6**	**13.7**
MN	24.2	68.7	22.8	–	9.9	13.1	4.7	6.4	.6	9.1	1.4	8.7
IA	18.6	58.6	17.6	4.4	9.5	8.3	3.2	5.6	.6	6.6	3.5	2.3
MO	17.2	88.5	15.2	3.5	14.6	16.6	6.0	5.2	1.6	16.5	5.3	.5
ND	5.5	14.5	5.2	.2	2.7	.2	1.0	1.2	.3	1.4	.4	.7
SD	4.3	14.7	3.6	–	1.9	.7	1.1	1.5	.3	1.5	1.0	.2
NE	12.6	32.4	11.8	1.9	4.0	3.6	2.4	3.2	.5	4.1	2.5	.7
KS	15.6	53.4	14.8	3.8	6.1	6.1	3.6	4.9	.7	7.6	2.5	1.5
So. Atl	**177.8**	**750.0**	**159.9**	**33.5**	**128.2**	**131.2**	**51.3**	**35.5**	**14.1**	**126.1**	**26.7**	**21.5**
DE	4.9	10.1	4.6	–	3.2	.1	1.2	.4	.6	1.2	.7	–
MD	23.1	79.4	20.9	6.1	17.4	2.5	4.6	5.0	2.2	15.6	5.6	.8
DC	(x)	12.3	(x)	1.5	(x)	5.4	(x)	1.0	(x)	5.9	(x)	1.7
VA	35.1	112.3	32.3	–	23.6	4.5	10.1	3.3	2.0	16.6	.9	5.8
WV	10.9	42.1	9.4	–	5.6	4.8	5.5	1.1	.8	3.6	2.7	–
NC	27.9	127.9	24.9	10.0	17.5	23.0	11.0	3.0	2.5	15.5	1.1	6.3
SC	21.9	65.2	16.9	–	15.3	10.0	4.6	2.0	1.5	7.9	3.6	.2
GA	27.1	112.7	24.1	.9	21.5	43.6	6.1	7.3	1.7	19.0	5.5	.4
FL	27.0	188.0	24.6	14.9	24.0	37.3	7.9	12.4	2.8	42.5	6.4	4.2
E. So. Cent	**86.4**	**261.2**	**75.2**	**3.9**	**44.5**	**54.7**	**18.6**	**20.8**	**4.7**	**40.0**	**16.2**	**4.1**
KY	21.2	63.2	17.5	–	7.6	7.2	6.5	2.8	1.7	8.0	4.2	.5
TN	24.9	76.6	22.8	–	13.6	16.2	5.0	6.6	1.1	14.8	5.0	2.6
AL	25.9	67.4	22.0	–	13.8	17.4	4.1	6.6	.9	11.0	4.2	.8
MS	14.4	53.7	13.0	3.9	9.8	13.9	3.0	4.8	1.0	6.2	2.8	.2
W. So. Cent	**137.4**	**548.9**	**125.1**	**20.7**	**84.7**	**73.6**	**28.2**	**32.4**	**6.5**	**80.9**	**27.7**	**3.1**
AR	13.1	43.9	10.8	–	7.5	5.3	3.5	3.2	.8	5.4	2.3	.4
LA	28.2	83.5	23.5	.1	24.0	11.7	6.8	6.1	1.2	14.7	5.2	.7
OK	21.4	62.6	19.4	–	11.0	8.3	3.6	5.6	1.6	10.3	4.2	.5
TX	74.7	358.6	71.4	20.6	41.9	48.3	14.2	17.4	2.9	50.5	11.6	1.6
Mt	**80.5**	**240.8**	**74.8**	**8.3**	**25.4**	**26.4**	**16.7**	**14.4**	**4.7**	**40.9**	**8.8**	**5.6**
MT	4.6	18.4	4.2	.2	1.5	1.3	1.6	1.4	.3	2.0	1.0	.9
ID	5.5	16.6	5.1	.6	2.0	2.6	1.7	1.4	.3	2.6	.6	.1
WY	2.6	14.3	2.3	1.4	1.5	3.7	1.7	.9	.3	1.9	.6	–
CO	19.9	59.2	19.1	1.0	6.9	7.7	2.9	4.3	.9	11.1	.9	2.7
NM	12.5	28.4	11.9	–	5.6	2.5	2.6	1.6	.7	4.6	1.7	.2
AZ	16.5	58.4	14.4	5.0	2.7	4.3	2.9	2.9	1.6	10.2	2.0	1.1
UT	14.8	29.7	13.6	–	4.0	1.3	1.8	1.4	.5	3.9	1.5	.4
NV	4.1	13.5	3.9	–	1.1	4.6	1.3	.7	.3	4.5	.6	.2
Pac	**156.5**	**567.4**	**132.4**	**53.8**	**62.2**	**94.9**	**26.5**	**28.4**	**13.7**	**115.8**	**13.0**	**33.2**
WA	28.7	67.3	27.1	–	10.8	7.5	5.5	5.0	1.3	12.8	5.1	.6
OR	12.4	54.9	11.6	5.3	8.4	3.7	3.2	3.1	1.1	8.3	3.2	.5
CA	88.8	435.4	84.6	48.4	39.4	82.9	15.8	18.6	10.9	89.0	2.7	31.8
AK	6.9	9.6	3.5	–	.6	.7	3.2	.6	.5	1.5	1.1	.2
HI	21.7	–	5.6	–	4.9	.2	.8	1.2	–	4.2	1.0	.1

– Represents zero. X Not applicable. [1] For State government, represents police protection only.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

Digitized by Google

No. 466. State and Local Government Employment and Average Earnings—by State: 1980 and 1985

[For **October**. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Total employment (1,000)				Full-time employment per 10,000 population [2]				Average October earnings [3] (dol.)			
	State		Local [1]		State		Local [1]		State		Local [1]	
	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
U.S	**3,753**	**3,984**	**9,562**	**9,685**	**126**	**125**	**329**	**317**	**1,373**	**1,935**	**1,323**	**1,865**
Region:												
Northeast	709	777	2,098	2,065	120	129	337	332	1,367	2,026	1,423	2,026
Midwest	964	966	2,548	2,491	112	111	318	306	1,422	1,921	1,347	1,837
South	1,322	1,421	3,017	3,165	141	136	335	325	1,221	1,911	1,114	1,609
West	762	818	1,897	1,964	127	120	323	303	1,627	2,228	1,535	2,190
N. Eng	**221**	**240**	**482**	**450**	**144**	**147**	**304**	**280**	**1,261**	**1,914**	**1,284**	**1,879**
ME	23	25	44	44	151	154	277	272	1,266	1,691	1,083	1,451
NH	19	21	34	38	140	138	273	254	1,230	1,618	1,083	1,549
VT	12	13	18	19	204	197	247	242	1,251	1,668	1,063	1,535
MA	89	94	250	216	130	132	343	301	1,214	1,941	1,453	1,954
RI	25	25	27	26	201	181	252	233	1,326	1,885	1,443	2,119
CT	53	62	109	107	143	155	277	273	1,320	2,096	1,454	1,971
Mid. Atl	**482**	**537**	**1,616**	**1,615**	**112**	**123**	**349**	**360**	**1,413**	**2,074**	**1,434**	**2,086**
NY	231	268	865	906	119	144	391	411	1,432	2,195	1,493	2,182
NJ	102	105	331	319	111	116	365	348	1,415	2,057	1,407	2,003
PA	149	144	420	390	102	96	276	261	1,379	1,814	1,333	1,848
E. No. Cent	**643**	**634**	**1,765**	**1,728**	**104**	**103**	**314**	**305**	**1,488**	**1,998**	**1,406**	**1,990**
OH	153	151	445	428	98	95	310	307	1,321	1,848	1,299	1,279
IN	91	96	215	217	106	114	307	298	1,399	1,916	1,121	1,569
IL	155	155	483	472	99	95	315	306	1,451	2,026	1,485	1,951
MI	161	156	397	389	112	112	312	302	1,620	2,159	1,600	2,139
WI	83	76	225	222	111	111	328	315	1,580	2,012	1,402	1,900
W. No. Cent	**321**	**332**	**783**	**763**	**133**	**131**	**329**	**309**	**1,335**	**1,779**	**1,210**	**1,712**
MN	79	75	199	183	119	113	332	299	1,577	2,273	1,401	1,978
IA	55	59	130	130	132	137	329	311	1,361	1,944	1,226	1,615
MO	77	74	194	185	121	116	312	292	1,231	1,540	1,112	1,651
ND	17	19	34	35	176	180	282	278	1,322	1,769	1,309	1,873
SD	16	17	31	33	164	158	295	296	1,244	1,576	994	1,361
NE	33	34	82	79	157	163	381	351	1,151	1,426	1,207	1,662
KS	50	54	113	118	146	146	351	344	1,309	1,654	1,092	1,607
So. Atl	**649**	**690**	**1,524**	**1,580**	**145**	**135**	**343**	**325**	**1,240**	**2,132**	**1,147**	**1,880**
DE	17	21	18	18	251	252	250	236	1,265	1,744	1,197	1,842
MD	87	89	173	160	184	156	332	287	1,308	1,912	1,429	2,102
DC	(x)	(x)	53	52	(x)	(x)	721	752	(x)	(x)	1,775	2,477
VA	114	119	201	212	163	155	306	300	1,240	1,769	1,189	1,696
WV	47	43	65	66	193	181	298	302	1,066	1,460	1,091	1,517
NC	102	107	247	257	139	138	343	316	1,298	1,850	1,091	1,581
SC	68	74	114	120	186	178	303	296	1,234	1,859	978	1,420
GA	95	98	254	266	145	134	390	375	1,193	1,730	995	1,454
FL	119	139	399	429	101	97	345	326	1,242	1,662	1,177	1,705
E. So. Cent	**266**	**280**	**548**	**536**	**145**	**147**	**310**	**297**	**1,183**	**1,667**	**1,036**	**1,435**
KY	70	71	114	114	157	153	247	249	1,179	1,606	1,106	1,488
TN	74	79	180	171	129	131	337	305	1,172	1,666	1,084	1,499
AL	76	80	150	146	152	156	324	304	1,280	1,878	1,013	1,466
MS	46	50	104	107	145	154	332	342	1,052	1,426	903	1,236
W. So. Cent	**407**	**451**	**945**	**1,047**	**134**	**132**	**336**	**339**	**1,213**	**1,785**	**1,106**	**1,592**
AR	45	44	80	82	153	149	286	282	1,087	1,656	927	1,292
LA	94	106	155	167	167	155	329	319	1,163	1,667	1,022	1,470
OK	68	72	116	124	165	161	319	316	1,190	1,724	1,029	1,489
TX	200	229	592	674	109	109	351	358	1,272	1,884	1,168	1,674
Mt	**242**	**263**	**486**	**529**	**153**	**140**	**328**	**314**	**1,418**	**1,954**	**1,308**	**1,855**
MT	22	21	35	36	179	173	334	305	1,335	1,816	1,190	1,669
ID	19	19	39	42	146	128	301	298	1,353	1,777	1,106	1,487
WY	11	13	28	32	177	188	415	447	1,470	1,920	1,287	1,844
CO	59	62	129	140	126	113	339	329	1,588	2,320	1,320	1,900
NM	42	42	48	53	240	208	317	316	1,262	1,714	1,136	1,582
AZ	42	53	120	130	129	109	347	318	1,405	2,034	1,461	2,055
UT	32	37	55	59	164	169	262	245	1,415	1,792	1,263	1,795
NV	15	16	32	37	138	135	336	320	1,498	1,965	1,401	2,053
Pac	**520**	**555**	**1,411**	**1,435**	**117**	**112**	**321**	**299**	**1,725**	**2,352**	**1,618**	**2,319**
WA	94	97	156	162	156	148	302	288	1,526	1,961	1,555	2,073
OR	55	56	117	113	149	137	321	296	1,397	1,900	1,402	1,880
CA	310	328	1,107	1,124	92	89	332	307	1,867	2,556	1,642	2,386
AK	18	26	18	23	399	402	367	355	2,065	3,004	2,301	3,211
HI	43	48	13	13	354	342	123	111	1,403	1,782	1,395	1,920

X Not applicable. [1] Estimates subject to sampling variation; see source and Appendix III. [2] 1980 based on enumerated resident population as of April 1; 1985 estimated resident population as of July 1. [3] For full-time employees.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

Digitized by Google

No. 467. City Government Employment and Payrolls: 1960 to 1985

[For October. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1960, change from 1955. 1972, 1977, and 1982 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	October payroll	Total	Education	Other	Education	Other
1960	1,692	1,439	583	471	3.3	7.1	1,447	225	1,222	502	387
1965	1,884	1,560	818	649	2.2	7.0	1,638	282	1,356	603	460
1970	2,244	1,815	1,361	1,062	3.6	10.7	1,922	359	1,563	838	661
1971	2,273	1,838	1,482	1,157	1.3	8.9	1,980	386	1,594	876	735
1972	2,375	1,918	1,654	1,302	4.5	11.6	2,029	378	1,650	951	792
1973	2,471	1,991	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974	2,491	2,009	1,985	1,560	.8	7.0	2,127	405	1,722	1,060	909
1975	2,506	2,074	2,129	1,725	.8	7.3	2,142	376	1,767	1,130	972
1976	2,443	2,021	2,235	1,804	−2.5	5.0	2,107	360	1,747	1,207	1,035
1977	2,511	2,084	2,415	1,959	2.8	8.0	2,166	358	1,812	1,280	1,067
1978	2,511	2,086	2,537	2,059	(Z)	5.1	2,165	361	1,804	1,341	1,148
1979	2,553	2,121	2,729	2,215	1.7	7.6	2,199	364	1,825	1,414	1,231
1980	2,561	2,130	2,942	2,403	.3	7.8	2,166	360	1,806	1,501	1,338
1981	2,469	2,056	3,222	2,640	−3.6	9.5	2,111	346	1,765	1,686	1,500
1982	2,396	2,015	3,428	2,861	−2.9	6.4	2,068	317	1,770	1,791	1,625
1983	2,423	2,051	3,640	3,059	1.1	6.2	2,060	300	1,760	1,962	1,739
1984	2,434	2,070	3,872	3,268	.4	6.4	2,090	300	1,790	2,033	1,831
1985	2,467	2,102	4,191	3,536	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,953

NA Not available. Z Less than .05 percent.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977,* and *1982, Vol. 3, No. 2, Compendium of Public Employment,* and *City Employment,* series GE, No. 2, annual.

No. 468. City Government Employment and Payrolls—All Cities and Cities With 50,000 Population or More, by Function: 1980 to 1984

[For October]

ITEM	EMPLOYEES (1,000)						OCTOBER PAYROLLS (mil. dol.)					
	All cities [1]			Cities with 50,000 population or more [2]			All cities [1]			Cities with 50,000 population or more [2]		
	1980	1983	1984	1980	1983	1984	1980	1983	1984	1980	1983	1984
Total	**2,561**	**2,423**	**2,434**	**1,645**	**1,549**	**1,556**	**2,942**	**3,640**	**3,872**	**2,182**	**2,680**	**2,837**
Full-time	2,071	1,973	2,007	1,437	1,350	1,376	2,826	3,494	3,731	2,111	2,589	2,758
Part-time	489	450	427	208	198	182	116	146	141	71	90	80
Full-time equivalent	**2,166**	**2,060**	**2,090**	**1,493**	**1,404**	**1,422**	(x)	(x)	(x)	(x)	(x)	(x)
Education [3]	360	300	300	304	255	251	539	581	604	463	511	520
Percent of total	17	15	14	20	18	18	18	16	16	21	19	18
Instructional staff	266	219	222	224	186	188	436	473	492	376	416	427
Others	94	80	78	80	68	64	102	108	112	87	95	93
Highways	121	116	121	60	59	61	141	178	196	77	102	112
Public welfare	41	43	44	38	39	40	47	69	71	45	64	67
Hospitals	131	129	123	87	85	84	143	192	189	102	138	140
Health	35	34	34	32	31	31	47	57	59	44	53	54
Police protection	365	369	373	224	226	229	550	713	761	389	479	512
Fire protection	190	189	191	130	128	130	300	394	421	218	289	307
Sewerage	60	61	64	32	32	35	74	96	106	44	55	62
Sanitation	104	92	91	63	55	55	118	134	137	81	93	95
Parks and recreation	103	96	97	72	66	67	116	139	149	84	99	106
Housing, urban renewal	44	43	43	38	38	38	57	72	78	51	65	70
Correction	18	21	24	17	20	23	27	42	50	26	41	46
Libraries	34	34	36	25	27	27	36	47	53	26	37	39
Financial administration	69	67	68	38	36	37	85	105	113	51	62	67
General control	112	108	117	66	61	64	147	186	207	96	115	125
Local utilities [4]	209	215	219	139	145	149	306	403	431	225	303	325
Water supply	93	95	96	50	52	52	116	150	161	70	91	98
Electric power	44	46	48	24	26	28	67	93	105	41	61	70
Transit	66	67	68	62	64	65	115	150	155	110	145	150
All other functions	171	142	141	127	101	100	208	232	246	159	174	185

X Not applicable. [1] Data are estimates subject to sampling variation; see source and Appendix III. [2] Based on 1980 population. [3] City-operated schools and colleges only. [4] Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment,* series GE, No. 2, annual.

Digitized by Google

No. 469. City Government Employment and Payroll—Selected Large Cities: 1980 to 1985

[For October. See text, section 9. See footnote 3, table 457, for those areas representing city/county consolidated governments]

Cities ranked by population-size, 1984	Total employment (1,000)			Full-time employment					October payroll (mil. dol.)		Average earnings in October, full-time employees (dol.)	
				Total (1,000)			Per 10,000 population [1]					
	1980	1984	1985	1980	1984	1985	1980	1985	1980	1985	1980	1985
New York, NY [2 3]	364	374	393	302	322	339	427	474	504	835	1,587	2,341
Los Angeles, CA	42	42	43	40	41	42	136	136	73	118	1,806	2,796
Chicago, IL	47	[4] 45	[4] 45	44	[4] 43	[4] 43	148	[4] 145	71	[4] 89	1,589	[4] 2,039
Houston, TX	18	20	21	17	19	21	107	121	26	41	1,499	1,919
Philadelphia, PA	33	33	33	31	32	31	186	189	51	70	1,611	2,213
Detroit, MI	22	18	20	21	18	19	172	177	40	43	1,852	2,192
Dallas, TX	14	15	15	14	14	14	153	152	20	28	1,465	1,945
San Diego, CA [2]	8	8	[5] 7	7	8	[5] 8	80	[5] 12	6	18	[5] 1,773	2,218
Phoenix, AZ	9	10	10	9	9	9	114	104	14	22	1,517	2,347
San Antonio, TX	10	12	13	10	12	12	125	143	13	23	1,282	1,877
Honolulu, HI	9	9	9	9	8	8	115	103	12	17	1,401	1,966
Baltimore, MD [2 6]	44	[6] 34	31	38	[6] 29	29	488	378	47	58	1,172	1,932
San Francisco, CA	21	24	25	21	24	25	310	348	37	65	1,761	2,639
Indianapolis, IN	13	11	12	12	11	11	170	156	13	18	1,098	1,536
San Jose, CA	4	5	[7] 5	4	4	[7] 4	59	[7] 61	7	[7] 12	1,714	[7] 2,885
Memphis, TN [8]	25	[4] 27	23	21	[4] 22	19	329	287	29	37	1,335	1,924
Washington, DC [2 3]	45	42	44	39	38	39	611	633	73	100	1,761	2,429
Milwaukee, WI	10	9	9	9	9	9	144	140	15	20	1,631	2,226
Jacksonville, FL	[6] 11	9	9	[6] 11	8	8	[6] 202	136	[6] 11	17	[6] 1,031	2,083
Boston, MA [6]	[6] 26	[6] 21	21	[6] 24	[6] 19	21	[6] 405	360	[6] 35	41	[6] 1,398	2,014
Columbus, OH	8	7	7	7	6	6	116	110	10	13	1,498	1,967
New Orleans, LA	[10] 13	11	11	[10] 12	11	11	[10] 221	197	[10] 11	18	[10] 919	1,602
Cleveland, OH	10	9	9	9	8	8	158	155	13	18	1,460	2,050
Denver, CO	13	11	12	12	11	11	236	216	18	26	1,540	2,326
Seattle, WA	10	10	10	9	8	8	177	171	77	23	1,830	2,605
El Paso, TX	5	5	5	4	4	4	104	95	3	7	942	1,529
Nashville-Davidson, TN [9]	[11] 18	17	18	[11] 17	16	16	[11] 370	350	[11] 22	31	[11] 1,295	1,856
Kansas City, MO	7	7	8	6	7	7	144	163	9	15	1,368	1,964
Oklahoma City, OK	5	[5] 5	[5] 5	4	4	[7] 4	102	[7] 104	6	[7] 8	1,323	[7] 1,849
St. Louis, MO	13	11	9	12	9	8	274	181	16	15	1,279	1,896
Atlanta, GA	8	8	8	8	8	7	185	172	10	13	1,230	1,777
Fort Worth, TX	[6] 5	5	[6] 4	[6] 5	5	[6] 122	115	[6] 5	9	[6] 1,198	1,920
Pittsburgh, PA	[10] 8	6	[10] 6	6	6	[10] 126	140	[10] 6	12	[10] 1,116	2,113
Austin, TX	6	9	10	6	9	9	178	239	10	20	1,515	2,088
Long Beach, CA	[6] 5	5	5	[6] 4	4	5	[6] 125	120	[6] 7	12	[6] 1,678	2,530
Tulsa, OK	[6] 4	[6] 4	[6] 4	[6] 4	[6] 4	[6] 4	[6] 124	[6] 124	[6] 5	[6] 5	[6] 1,184	[6] 1,184
Miami, FL	4	4	4	4	4	4	115	105	6	10	1,408	2,590
Cincinnati, OH	7	7	6	6	6	6	168	149	10	13	1,527	2,230
Baton Rouge, LA	[6] 4	5	5	[6] 4	5	5	[6] 102	128	[6] 3	8	[6] 908	1,629
Portland, OR	5	5	[7] 5	4	4	[7] 4	111	[7] 113	8	[7] 10	1,916	[7] 2,301
Tucson, AZ	4	4	5	4	4	4	123	119	6	9	1,474	2,027
Minneapolis, MN	6	6	5	5	4	4	129	121	9	11	1,821	2,468
Oakland, CA	4	4	4	4	4	4	104	102	7	10	2,011	2,700
Albuquerque, NM	[6] 4	6	6	[6] 4	5	5	[6] 128	144	[6] 4	10	[6] 1,135	1,949
Toledo, OH	4	3	3	3	3	3	95	91	6	7	1,758	2,334
Buffalo, NY [6]	14	12	12	12	10	10	338	285	18	22	1,475	2,155
Omaha, NE	3	3	3	3	3	3	88	80	5	7	1,684	2,405
Charlotte, NC	4	4	4	4	4	4	124	116	5	7	1,290	1,818
Newark, NJ [10]	12	[6] 5	[6] 5	12	[6] 5	[6] 5	372	[6] 150	17	[6] 8	1,387	[6] 1,698
Virginia Beach, VA [3]	10	10	11	9	8	10	338	315	11	17	1,204	1,710
Sacramento, CA	3	3	3	3	3	3	113	93	6	6	1,762	2,499
Louisville, KY	6	5	5	5	4	5	179	158	7	7	1,358	1,534
Wichita, KS	3	3	3	3	3	3	106	95	4	5	1,327	1,871
Norfolk, VA [3]	11	11	11	10	9	9	373	331	12	17	1,222	1,685
Birmingham, AL	4	4	4	4	3	3	128	119	5	6	1,333	1,783
Tampa, FL	5	4	4	4	4	4	157	139	5	7	1,178	1,856
Fresno, CA	3	3	3	2	2	2	106	87	4	6	1,607	2,363
St. Paul, MN	4	3	3	3	3	3	118	108	6	6	1,734	2,496
Corpus Christi, TX	[6] 3	3	3	[6] 3	3	3	[6] 121	118	[6] 3	5	[6] 942	1,728
Colorado Springs, CO	4	4	5	3	4	4	152	169	5	9	1,445	2,155
Rochester, NY [3]	[11] 10	8	[10] 9	[11] 8	7	[10] 7	[11] 340	[10] 307	[11] 14	[10] 18	[11] 1,630	[10] 2,320
St. Petersburg, FL	3	3	3	3	3	3	132	111	4	5	1,173	1,904
Anaheim, CA	2	3	3	2	2	2	87	78	3	6	1,616	2,785
Akron, OH	3	3	3	3	3	3	121	121	4	5	1,509	1,893

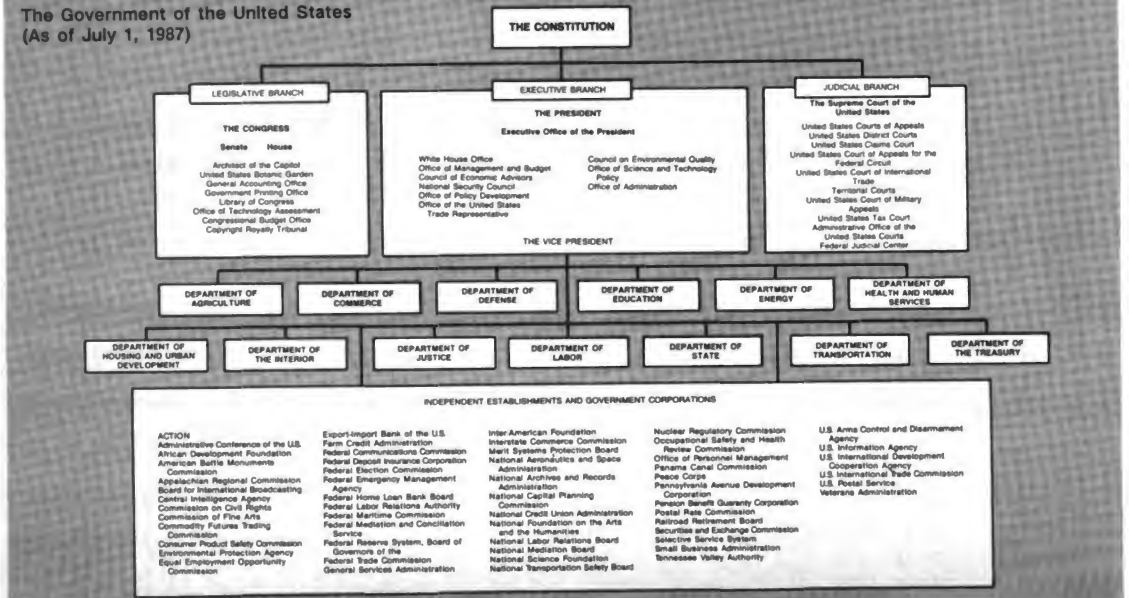
[1] Based on 1980 enumerated population as of April 1 and 1984 estimated population as of July 1. [2] Includes city-operated elementary and secondary schools. [3] Includes city-operated university or college. [4] 1982 data. [5] 1979 data. [6] 1983 data. [7] 1984 data. [8] 1978 data. [9] Includes 1982 education data. [10] 1977 data. [11] Noneducation data are for 1979. [12] Effective 1983, city no longer has dependent schools. [13] Noneducation data for 1984.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

Digitized by Google

Figure 10.1

The Government of the United States (As of July 1, 1987)



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 502

Digitized by Google



Section **10**

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its *Appendix*. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 290). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program. Data showing unified budget totals of budget receipts and outlays that incorporate social security are presented in the 1988 Budget for the years 1936 to 1992; more detailed tables generally show data since 1976.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, currently $2.4 trillion through August 17, 1987, and includes only borrowing by the Treasury.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by Government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement of Receipts and Outlays of the United States Government* and in the Treasury's *United States Government Annual Report* and its *Appendix*. These deposits in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Digitized by Google

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the incorporated business supplemental *Statistics of Income* publications which presented data on such diverse subjects as local area data for individuals as well as data from fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

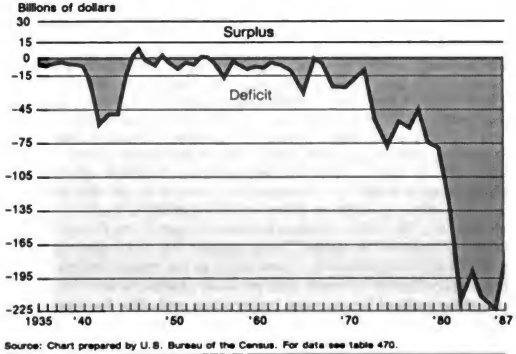
Federal employment and payroll figures are published by the Office of Personnel Management in its *Monthly Release of Federal Civilian Workforce Statistics.* It also publishes biennial employment data for minority groups, and data on occupations of white- and blue-collar workers; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment.*

Public lands.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Figure 10.2
Federal Budget Surplus or Deficit: 1935 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 470.

Digitized by Google

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal entities into the budget and moved Social Security off-budget. Minus sign (−) indicates deficit or decline. See also *Historical Statistics, Colonial Times to 1970*, series Y 339-342]

YEAR	RECEIPTS			OUTLAYS					SURPLUS OR DEFICIT (—)			Outstanding gross debt [2]	AVERAGE ANNUAL PERCENT CHANGE [3]					PERCENT OF GNP [4]				Outlays, off-budget
														OUTLAYS					OUTLAYS			
	Total [1]	Federal funds	Trust funds	Total [1]	Federal funds	Trust funds	Human resources	National defense	Total [1]	Federal funds	Trust funds		Receipts	Total	Federal funds	Trust funds	Outstanding gross debt	Total	Human resources	National defense	Outstanding gross debt	
1945	45.2	41.9	3.6	92.7	94.8	−.6	1.9	83.0	−47.6	−53.0	4.3	260.1	3.2	1.5	2.8	(X)	[5] 27.5	43.6	.9	39.1	122.5	.1
1950	39.4	35.3	3.8	42.6	38.4	5.1	14.2	13.7	−3.1	−3.1	−1.6	256.9	−2.7	−14.4	−16.6	(X)	−.3	16.0	5.3	5.1	96.3	.5
1955	65.5	58.2	3.1	68.4	62.3	3.0	14.9	42.7	−3.0	−4.2	.1	274.4	10.7	10.0	10.2	−10.0	1.3	17.7	3.9	11.1	71.0	4.0
1960	92.5	75.6	7.8	92.2	74.9	6.1	26.2	48.1	.3	.8	−.3	290.9	7.2	6.1	3.7	21.9	1.2	18.2	5.2	9.5	57.4	10.9
1961	94.4	75.2	9.4	97.7	79.4	9.0	29.8	49.6	−3.3	−4.2	.4	292.9	2.0	6.0	6.0	10.7	.7	18.9	5.8	9.6	56.5	11.7
1962	99.7	79.7	9.9	106.8	86.5	6.9	31.8	52.3	−7.1	−6.8	1.0	303.3	5.8	9.3	9.0	−.6	3.5	19.2	5.7	9.4	54.4	13.5
1963	106.6	84.0	10.6	111.3	90.6	6.1	33.5	53.4	−4.8	−6.6	2.7	310.8	6.9	4.2	4.7	−8.6	2.5	18.9	5.7	9.1	52.9	15.0
1964	112.6	87.5	11.2	118.5	96.1	9.2	35.3	54.8	−5.9	−8.6	2.0	316.8	5.7	6.5	6.0	12.6	1.9	18.8	5.6	8.7	50.3	15.7
1965	116.6	90.9	11.5	118.2	94.9	9.2	36.6	50.6	−1.4	−3.9	2.3	323.2	3.7	−.3	−1.3	.8	2.0	17.6	5.4	7.5	48.0	18.5
1966	130.8	101.4	12.9	134.5	106.6	10.8	43.3	58.1	−3.7	−5.2	2.1	329.5	12.0	13.6	12.4	16.8	2.0	18.2	5.9	7.9	44.6	19.7
1967	148.8	111.8	16.5	157.5	127.5	13.4	51.3	71.4	−8.6	−15.7	3.1	341.3	13.7	17.0	19.7	24.3	3.6	19.8	6.5	9.0	43.0	20.4
1968	153.0	114.7	17.6	178.1	143.1	16.9	59.4	81.9	−25.2	−28.4	.6	369.6	2.8	13.1	12.2	26.2	8.3	21.0	7.0	9.6	43.5	22.3
1969	186.9	143.3	20.1	183.8	148.2	15.7	66.4	82.5	3.2	−4.9	4.4	367.1	22.2	3.1	3.6	−7.4	−.7	19.8	7.1	8.9	39.5	25.2
1970	192.8	143.2	22.3	195.6	156.3	17.8	75.3	81.7	−2.6	−13.2	4.5	382.6	3.2	6.5	5.5	13.6	4.2	19.8	7.6	8.3	38.6	27.6
1971	187.1	133.8	26.0	210.2	163.7	22.2	91.9	78.9	−23.0	−29.9	3.6	409.5	−2.9	7.4	4.7	24.5	7.0	19.9	8.7	7.5	38.8	32.8
1972	207.3	148.8	28.4	230.7	178.1	25.5	107.2	79.2	−23.4	−29.3	2.9	437.3	10.8	9.8	8.8	15.0	6.8	20.0	9.3	6.9	37.9	36.9
1973	230.8	161.4	41.2	245.7	187.0	30.9	119.5	76.7	−14.9	−25.7	10.3	468.4	11.3	6.5	5.0	21.0	7.1	19.2	9.3	6.0	36.6	45.6
1974	263.2	181.2	46.1	269.4	201.4	33.9	135.8	79.3	−6.1	−20.1	12.2	486.2	14.0	9.6	7.7	9.7	3.8	19.0	9.6	5.6	34.3	52.1
1975	279.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	−53.2	−60.7	5.4	544.1	6.0	23.4	23.2	34.4	11.9	21.6	11.4	5.7	35.7	60.4
1976	298.1	201.1	61.6	371.8	277.2	56.2	203.6	89.6	−73.7	−76.1	5.6	631.9	6.8	11.9	11.7	23.3	16.1	21.9	12.0	5.3	37.2	69.6
1976 [6]	81.2	54.1	13.3	96.0	68.9	13.8	52.1	22.3	−14.7	−12.8	−.5	646.4	(X)	(X)	(X)	(X)	(X)	21.4	11.6	5.0	36.0	19.4
1977	355.6	241.3	70.3	409.2	304.5	56.9	221.9	97.2	−53.6	−63.1	13.4	709.1	19.3	10.1	9.8	1.3	12.2	21.2	11.5	5.0	36.7	80.7
1978	399.6	270.5	76.9	458.7	342.4	59.9	242.3	104.5	−59.2	−71.9	17.0	780.4	12.4	12.1	12.4	5.2	10.1	21.1	11.2	4.8	35.9	89.7
1979	463.3	316.4	86.0	503.5	374.9	65.7	267.6	116.3	−40.2	−58.5	20.3	833.6	16.0	9.8	9.5	9.6	6.8	20.6	10.9	4.8	34.1	100.0
1980	517.1	350.9	94.7	590.9	433.5	84.8	313.4	134.0	−73.8	−82.6	9.9	914.3	11.6	17.4	15.6	29.1	9.7	22.1	11.7	5.0	34.2	114.3
1981	599.3	410.4	106.0	678.2	496.2	94.2	362.0	157.5	−78.9	−85.8	11.6	1,003.9	15.9	14.8	14.5	11.1	9.6	22.7	12.1	5.3	33.6	135.2
1982	617.8	409.3	122.1	745.7	543.4	107.9	368.7	185.3	−127.9	−134.2	14.2	1,147.0	3.1	10.0	9.5	14.6	14.2	23.8	12.4	5.9	36.5	151.4
1983	600.6	382.3	147.3	808.3	613.2	124.4	426.0	209.9	−207.8	−230.8	22.9	1,381.9	−2.8	8.5	12.8	15.3	20.5	24.3	12.6	6.3	41.6	147.1
1984	666.5	419.8	158.1	851.8	637.8	125.4	432.0	227.4	−185.3	−218.2	32.6	1,576.7	11.0	5.2	6.0	.4	14.1	23.1	11.7	6.2	42.8	165.6
1985	734.1	459.5	197.5	946.3	725.9	152.7	471.8	252.7	−212.3	−266.4	44.6	1,827.2	10.1	11.1	13.8	22.3	15.9	24.0	12.0	6.4	46.4	176.6
1986	769.1	473.5	206.9	989.8	756.5	161.4	481.6	273.4	−220.7	−283.0	45.5	2,132.9	4.8	4.8	4.3	5.7	16.7	23.8	11.6	6.6	51.2	183.5
1987, est	842.4	526.1	215.1	1,015.6	769.1	164.8	500.5	282.2	−173.2	−243.0	50.3	2,372.4	9.5	2.6	1.7	2.1	11.2	23.0	11.3	6.4	53.7	194.5

X Not applicable. [1] Includes off-budget receipts, outlays, and interfund transactions. [2] End of fiscal year. See text, section 10 for discussion of debt concept. [3] For explanation of average annual percent change, see Guide to Tabular Presentation. [4] Gross national product as of fiscal year; for calendar year GNP, see table 671. [5] Change from 1944; from previous year shown for all other years. [6] Represents transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

192-073 O - 88 - 11 : QL 3

Digitized by Google

No. 471. Federal Receipts by Source and Outlays by Function: 1970 to 1987

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections; outlays stated in terms of checks issued or cash payments. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335–338, Y 343–351, and Y 472–487 for related data]

SOURCE OR FUNCTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.	PERCENT DISTRIBUTION 1980	PERCENT DISTRIBUTION 1987
Surplus or deficit (−)	−2.8	−53.2	−73.8	−78.9	−127.9	−207.8	−185.3	−212.3	−220.7	−173.2	(x)	(x)
BY SOURCE												
Total receipts [1]	192.8	279.1	517.1	599.3	617.8	600.6	666.5	734.1	769.1	842.4	100.00	100.00
Individual income taxes	90.4	122.4	244.1	285.9	297.7	288.9	298.4	334.5	349.0	364.0	47.20	43.21
Corporation income taxes	32.8	40.6	64.6	61.1	49.2	37.0	56.9	61.3	63.1	104.8	12.49	12.44
Social insurance taxes and contributions	44.4	84.5	157.8	182.7	201.5	209.0	239.4	265.2	283.9	301.5	30.52	35.79
Employment taxes and contributions	39.1	75.2	138.7	163.0	180.7	185.8	209.7	234.6	255.1	273.2	26.83	32.44
Unemployment insurance	3.5	6.8	15.3	15.8	16.6	18.8	25.1	25.8	24.1	23.8	2.97	2.82
Contributions for other insurance and retirement	1.8	2.6	3.7	4.0	4.2	4.4	4.6	4.8	4.7	4.4	.72	.53
Excise taxes	15.7	16.6	24.3	40.8	36.3	35.3	37.4	36.0	32.9	32.6	4.70	3.87
Estate and gift taxes	3.6	4.6	6.4	6.8	8.0	6.1	6.0	6.4	7.0	6.0	1.24	.71
Customs duties	2.4	3.7	7.2	8.1	8.9	8.7	11.4	12.1	13.3	14.4	1.39	1.71
Miscellaneous receipts	3.4	6.7	12.7	13.8	16.2	15.6	17.0	18.5	19.9	19.1	2.47	2.27
Federal Reserve earning deposits	3.3	5.8	11.8	12.8	15.2	14.5	15.7	17.1	18.4	15.8	2.28	1.88
BY FUNCTION												
Total outlays [1]	195.6	332.3	590.9	678.2	745.7	808.3	851.8	946.3	989.8	1,015.6	100.00	100.00
National defense [1]	81.7	86.5	134.0	157.5	185.3	209.9	227.4	252.7	273.4	282.2	22.68	27.79
Dept. of Defense, military	80.2	85.9	131.0	153.8	180.7	204.4	220.8	245.4	265.6	274.2	22.16	27.00
Atomic energy defense activities	1.4	1.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.4	.49	.73
Defense related activities	.1	−.9	.1	.3	.3	.3	.5	.3	.9	.6	.02	.06
International affairs [1]	4.3	7.1	12.7	13.1	12.3	11.8	15.8	16.2	14.2	14.6	2.15	1.44
International development and humanitarian assistance	2.3	3.1	3.6	4.1	3.8	4.0	4.5	5.4	5.0	4.4	.61	.43
Conduct of foreign affairs	.4	.7	1.4	1.3	1.6	1.8	1.9	2.1	2.3	2.7	.23	.27
Foreign information and exchange	.2	.3	.5	.5	.6	.6	.7	.8	.9	1.0	.09	.10
International financial programs activities	.3	.4	2.4	2.0	.9	−1.1	.9	−1.5	−4.5	−2.1	.41	−.21
International security assistance	1.1	2.5	4.8	5.1	5.4	6.6	7.9	9.4	10.5	8.6	.81	.84
Income security	15.6	50.2	86.5	99.7	107.7	122.6	112.7	128.2	119.8	124.9	14.64	12.30
General retirement and disability insurance	1.0	4.7	5.1	5.4	5.6	5.6	5.4	5.6	5.3	5.5	.86	.55
Federal employee retirement and disability	5.5	13.2	26.6	31.3	34.3	36.5	38.1	38.6	41.4	43.6	4.50	4.29
Housing assistance	.5	2.1	5.6	7.8	8.7	10.0	11.3	25.3	12.4	12.9	.95	1.27
Food and nutrition assistance	1.0	6.6	14.0	16.2	15.6	18.0	18.1	18.5	18.6	19.4	2.37	1.91
Other income security	4.3	10.1	17.2	19.4	19.8	21.1	21.4	22.7	24.4	25.5	2.91	2.51
Unemployment insurance	3.4	13.5	18.0	19.7	23.7	31.5	18.4	17.5	17.8	18.0	3.05	1.77
Health	5.9	12.9	23.2	26.9	27.4	28.6	30.4	33.5	35.9	39.7	3.92	3.91
Health care services	4.0	9.5	18.0	21.2	21.8	23.0	24.5	27.0	28.9	32.0	3.05	3.15
Health research	1.1	1.9	3.4	3.8	3.9	4.0	4.4	4.9	5.4	5.9	.58	.58
Education and training of health care workforce	.6	.9	.7	.8	.7	.6	.4	.5	.5	.5	.12	.04
Consumer and occupational health and safety	.2	.6	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	.17	.11
Social Security and medicare	36.5	77.5	150.6	178.7	202.5	223.3	235.8	254.4	268.9	279.5	25.49	27.52
Social Security	30.3	64.7	118.5	139.6	156.0	170.7	178.2	188.6	198.8	207.9	20.06	20.48
Medicare	6.2	12.9	32.1	39.1	46.6	52.6	57.5	65.8	70.2	71.6	5.43	7.05
Veterans benefits and services [1]	8.7	18.6	21.2	23.0	24.0	24.8	25.6	26.3	26.4	26.7	3.59	2.63
Income security	5.5	7.9	11.7	12.9	13.7	14.3	14.4	14.7	15.0	15.1	1.98	1.49
Education, training, and rehabilitation	1.0	4.6	2.3	2.3	1.9	1.6	1.4	1.1	.5	.4	.40	.04
Hospital and medical care	1.8	3.7	6.5	7.0	7.5	8.3	8.9	9.5	9.9	10.3	1.10	1.02
Housing	.1	(z)	(−z)	2	1	(z)	.2	.2	.1	1	(x)	.01
Education, training, employment, and social services [1]	8.6	16.0	31.8	33.7	27.0	26.6	27.6	29.3	30.6	29.8	5.39	2.94
Elementary, secondary, and vocational education	2.9	4.4	6.9	7.2	6.8	6.3	6.5	7.6	7.8	7.6	1.17	.75
Higher education	1.4	2.2	6.7	8.9	7.2	7.2	7.4	8.2	8.4	7.5	1.14	.74
Research and general education aids	.4	.8	1.2	1.0	1.0	1.1	1.2	1.1	1.2	1.4	.20	.14
Training and employment	1.6	4.1	10.3	8.2	5.5	5.3	4.6	5.0	5.3	5.0	1.75	.49
Social services	2.3	4.4	6.1	6.9	6.0	6.1	7.2	6.7	7.2	7.5	1.03	.74

See footnotes at end of table.

Digitized by Google

NO. 471. FEDERAL RECEIPTS BY SOURCE AND OUTLAYS BY FUNCTION: 1970 TO 1987—Con.

[In billions of dollars. See headnote, p. 292]

SOURCE OR FUNCTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.	PERCENT DISTRIBUTION 1980	PERCENT DISTRIBUTION 1987
Commerce and housing credit	2.1	9.9	9.4	8.2	6.3	6.7	6.9	4.2	4.4	9.3	1.59	.92
Mortgage credit and thrift insurance	.1	6.0	5.6	4.7	4.0	3.9	3.8	.9	1.9	5.5	.95	.54
Payment to Postal Service	1.5	3.0	1.2	1.4	.2	1.1	1.2	1.4	.8	1.8	.21	.18
Other commerce	.5	1.0	2.5	2.1	2.1	1.7	1.9	2.0	1.8	2.0	.43	.20
Transportation [1]	7.0	10.9	21.3	23.4	20.6	21.3	23.7	25.8	28.1	27.0	3.61	2.66
Ground transportation	4.7	7.0	15.3	17.1	14.3	14.3	16.2	17.8	18.7	17.8	2.58	1.76
Air transportation	1.4	2.4	3.7	3.8	3.5	4.0	4.4	4.9	5.3	5.3	.83	.52
Water transportation	.9	1.4	2.2	2.4	2.7	3.0	3.0	3.2	4.0	3.7	.38	.37
Natural resources and environment [1]	3.1	7.3	13.9	13.6	13.0	12.7	12.6	13.4	13.6	13.9	2.35	1.36
Water resources	1.5	2.6	4.2	4.1	3.9	3.9	4.1	4.1	4.0	4.2	.71	.41
Conservation and land management	.4	.7	1.0	1.2	1.1	1.5	1.3	1.5	1.4	1.6	.18	.16
Recreational resources	.4	.8	1.7	1.6	1.4	1.5	1.6	1.8	1.5	1.6	.28	.16
Pollution control and abatement	.4	2.5	5.5	5.2	5.0	4.3	4.0	4.5	4.8	4.5	.93	.45
Other natural resources	.4	.8	1.4	1.5	1.5	1.5	1.6	1.7	1.9	1.9	.24	.19
Energy [1]	1.0	2.9	10.2	15.2	13.5	9.4	7.1	5.7	4.7	3.8	1.72	.37
Supply	.9	2.4	8.4	10.2	8.3	6.1	3.3	2.6	2.8	1.9	1.42	.19
Conservation	–	(z)	.6	.7	.5	.5	.5	.5	.5	.4	.10	.04
Emergency preparedness	–	(z)	.3	3.3	3.9	1.9	2.5	1.8	.6	.7	.06	.07
Information, policy, and regulation	.1	.4	.9	1.0	.9	.9	.8	.7	.8	.7	.15	.07
Community and regional development	2.4	4.3	11.3	10.6	8.3	7.6	7.7	7.7	7.2	6.2	1.90	.61
Community development	1.4	2.3	4.9	5.1	4.6	4.4	4.5	4.6	4.1	4.3	.83	.42
Area and regional development	.7	1.6	4.3	3.6	3.8	3.2	3.0	3.1	2.7	1.9	.73	.19
Disaster relief and insurance	.3	.4	2.0	1.7	–.1	(–z)	.1	(–z)	.4	(–z)	.35	(–z)
Agriculture [1]	5.2	3.0	8.8	11.3	15.9	22.9	13.6	25.6	31.4	31.1	1.50	3.06
Farm income stabilization	4.6	2.2	7.4	9.8	14.3	21.3	11.9	23.8	29.6	29.2	1.26	2.87
Research and services	.6	.9	1.4	1.5	1.8	1.6	1.7	1.8	1.8	1.9	.24	.19
Net interest	14.4	23.2	52.5	68.7	85.0	89.8	111.1	129.4	136.0	137.5	8.89	13.54
General purpose fiscal assistance	.4	7.2	8.6	6.9	6.4	6.5	6.8	6.4	6.4	1.9	1.45	.19
Revenue sharing	–	6.1	6.8	5.1	4.6	4.6	4.6	4.6	5.1	.1	1.18	.01
General science, space, and technology [2]	4.5	4.0	5.8	6.5	7.2	7.9	8.3	8.6	9.0	9.5	.99	.94
General science and basic research	.9	1.0	1.4	1.5	1.6	1.6	1.8	2.0	2.2	2.3	.23	.22
Space flight	2.3	1.7	2.6	3.1	3.5	4.1	4.0	4.0	3.8	4.3	.44	.42
Space science, applications and technology	1.2	1.3	1.9	1.9	2.1	2.2	2.4	2.6	3.0	2.9	.31	.29
General government [1]	1.8	3.2	4.4	4.8	4.5	4.8	5.1	5.2	6.1	6.8	.75	.67
Legislative functions	.3	.6	1.0	1.0	1.2	1.2	1.3	1.4	1.4	1.7	.16	.16
Management, direction (Exec.)	(z)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.02	.01
Central fiscal operations	.9	1.9	2.6	2.6	2.8	3.1	3.3	3.5	3.8	4.5	.44	.44
General property and records management	.6	.4	.3	.1	.2	.2	.2	.1	.5	(z)	.06	(z)
Administration of justice	1.0	3.0	4.6	4.8	4.7	5.1	5.7	6.3	6.6	8.3	.78	.82
Federal law enforcement	.6	1.3	2.2	2.4	2.5	2.9	3.2	3.5	3.6	4.6	.38	.46
Federal judicial activities [3]	.2	.8	1.3	1.5	1.5	1.6	1.8	2.1	2.2	2.6	.23	.25
Federal correctional activities	.1	.2	.3	.4	.4	.4	.5	.5	.6	.8	.06	.07
Criminal justice assistance	.1	.9	.7	.5	.3	.2	.1	.2	.2	.3	.11	.03
Undistributed offsetting receipts	–6.6	–13.6	–19.9	–26.0	–26.1	–34.0	–32.0	–32.7	–33.0	–37.1	–3.37	–3.65
Employer share, employee retirement	–6.4	–11.2	–15.8	–17.9	–19.8	–23.5	–25.3	–27.2	–28.3	–31.3	–2.66	–3.06
Rents and royalties [5]	–.2	–2.4	–4.1	–10.1	–6.3	–10.5	–6.7	–5.5	–4.7	–3.9	–.69	–.38

– Represents zero. X Not applicable. Z Less than $50 million. [1] Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. [2] Includes supporting space activities. [3] Includes litigative activities. [4] Includes sale of major assets (–1.9), not shown separately. [5] On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

Digitized by Google

NO. 472. FEDERAL BUDGET OUTLAYS IN CURRENT AND CONSTANT (1982) DOLLARS: 1965 TO 1987

[For fiscal years ending in year shown; see text, section 9. Given the inherent imprecision in deflating outlays, the data shown in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as is feasible. See headnote, table 470. Minus sign (–) indicates decline]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Total	National defense	Total non-defense [1]	Payments for individuals [2]	Net interest [3]	Aid to State and local govt.	Total	National defense	Total non-defense [1]	Payments for individuals [2]	Net interest [3]	Aid to State and local govt.
TOTAL OUTLAYS (bil. dol.)												
1965	118.2	50.6	67.6	33.1	8.6	10.9	394.9	181.4	213.5	92.7	25.4	35.4
1970	195.6	81.7	114.0	64.7	14.4	24.0	509.4	225.6	283.8	152.2	34.7	61.1
1971	210.2	78.9	131.3	80.4	14.8	28.1	509.4	202.7	306.7	181.0	34.0	66.7
1972	230.7	79.2	151.5	92.9	15.5	34.3	527.6	190.9	336.7	200.1	33.6	77.1
1973	245.7	76.7	169.0	104.5	17.3	41.8	527.5	175.1	352.4	215.7	35.9	86.7
1974	269.4	79.3	190.0	120.1	21.4	43.3	528.7	163.3	365.3	228.3	41.1	84.5
1975	332.3	86.5	245.8	153.5	23.2	49.7	586.0	159.8	426.2	265.8	40.4	87.0
1976	371.8	89.6	282.2	180.1	26.7	59.0	609.8	153.6	456.2	291.7	43.0	96.1
1976, TQ [4]	96.0	22.3	73.7	45.4	6.9	15.9	152.4	37.1	115.3	71.2	10.8	25.1
1977	409.2	97.2	312.0	196.3	29.9	68.3	622.6	154.3	468.3	295.5	44.8	103.5
1978	458.7	104.5	354.2	211.0	35.4	77.8	652.2	155.0	497.1	296.8	49.4	109.7
1979	503.5	116.3	387.1	232.8	42.6	82.8	660.2	159.1	501.0	301.6	54.7	105.6
1980	590.9	134.0	456.9	277.5	52.5	91.4	699.1	164.0	535.1	324.7	62.0	105.6
1981	678.2	157.5	520.7	323.4	68.7	94.7	726.5	171.4	555.2	344.3	73.7	100.6
1982	745.7	185.3	560.4	356.7	85.0	88.1	745.7	185.3	560.4	356.7	85.0	88.2
1983	808.3	209.9	598.4	395.3	89.8	92.4	776.5	201.3	575.1	378.6	86.1	88.7
1984	851.8	227.4	624.4	399.8	111.1	97.5	789.9	211.5	578.4	368.7	102.6	90.0
1985	946.3	252.7	693.6	425.6	129.4	105.7	848.0	228.7	619.3	379.3	115.6	93.5
1986	989.8	273.4	716.4	448.0	136.0	112.2	866.2	242.1	624.1	389.4	117.9	98.2
1987, est	1015.6	282.2	733.3	465.3	137.5	109.7	862.3	242.6	619.7	392.2	115.6	91.4
PERCENT DISTRIBUTION												
1965	100.0	42.8	57.2	28.0	7.3	9.2	100.0	45.9	54.1	23.5	6.4	9.0
1970	100.0	41.8	58.2	33.1	7.4	12.3	100.0	44.3	55.7	29.9	6.8	12.0
1971	100.0	37.5	62.5	38.3	7.1	13.3	100.0	39.8	60.2	35.5	6.7	13.1
1972	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.6
1973	100.0	31.2	68.8	42.5	7.1	17.0	100.0	33.2	66.8	40.9	6.8	16.4
1974	100.0	29.5	70.5	44.6	8.0	16.1	100.0	30.9	69.1	43.2	7.8	16.0
1975	100.0	26.0	74.0	46.2	7.0	14.9	100.0	27.3	72.7	45.4	6.9	14.8
1976	100.0	24.1	75.9	48.4	7.2	15.9	100.0	25.2	74.8	47.8	7.1	15.8
1976, TQ [4]	100.0	23.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	46.7	7.1	16.5
1977	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.8	75.2	47.5	7.2	16.6
1978	100.0	22.8	77.2	46.0	7.7	17.0	100.0	23.8	76.2	45.5	7.6	16.8
1979	100.0	23.1	76.9	46.3	8.5	16.4	100.0	24.1	75.9	45.7	8.3	16.1
1980	100.0	22.7	77.3	47.0	8.9	15.5	100.0	23.5	76.5	46.4	8.9	15.1
1981	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.6	76.4	47.4	10.1	13.8
1982	100.0	24.8	75.1	47.8	11.4	11.8	100.0	24.8	75.1	47.8	11.4	11.8
1983	100.0	25.9	74.0	48.8	11.4	11.4	100.0	25.9	74.1	48.8	11.1	11.4
1984	100.0	26.7	73.3	46.9	13.0	11.4	100.0	26.8	73.2	46.7	13.0	11.4
1985	100.0	26.7	73.3	45.0	13.7	11.2	100.0	27.0	73.0	44.7	13.6	11.0
1986	100.0	27.6	72.4	39.7	13.7	11.4	100.0	27.9	72.1	45.0	13.6	11.1
1987, est	100.0	27.8	72.2	40.2	13.5	10.8	100.0	28.1	71.9	45.5	13.4	10.6
AVERAGE ANNUAL PERCENT CHANGE												
1965–1970	10.6	10.1	11.0	14.4	10.9	17.2	5.2	4.5	5.9	10.4	6.4	11.5
1970–1971	7.4	–3.5	15.2	24.3	3.2	16.8	–	–10.2	8.1	18.9	–2.0	9.2
1971–1972	9.8	4	15.4	15.5	4.3	22.3	3.6	–5.8	9.8	10.6	–1.2	15.6
1972–1973	6.5	–3.1	11.6	12.5	12.1	21.7	– (Z)	–8.3	4.7	7.8	6.8	15.0
1973–1974	9.6	3.5	12.4	14.9	23.6	3.6	.2	–6.7	3.7	5.8	14.5	–2.7
1974–1975	23.4	9.0	29.4	27.8	8.4	14.8	10.8	–2.1	16.7	16.4	–1.7	3.0
1975–1976	11.9	3.6	14.8	17.3	14.9	18.7	4.1	–3.9	7.0	9.7	6.4	10.5
1976–1977	10.1	8.5	10.6	9.0	11.9	15.8	2.1	.5	2.7	1.3	3.7	7.7
1977–1978	12.1	7.5	13.6	7.5	18.6	13.9	4.8	.5	6.1	.4	10.6	6.0
1978–1979	9.8	11.3	9.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	–3.8
1979–1980	17.4	15.2	18.0	19.2	23.2	10.4	5.9	3.1	6.8	7.7	13.3	–.4
1980–1981	14.8	17.6	14.0	16.5	30.9	3.6	3.9	4.5	3.8	6.0	18.9	–4.9
1981–1982	10.0	17.6	7.6	10.3	23.7	–6.9	2.6	8.1	.9	3.6	15.3	–12.3
1982–1983	8.5	13.3	6.8	10.8	5.6	4.0	4.1	8.4	2.7	6.3	1.3	.6
1983–1984	5.2	8.3	4.1	1.1	23.7	5.5	1.6	4.8	.5	–2.8	19.0	1.5
1984–1985	11.1	11.1	11.1	6.5	16.5	8.5	7.3	7.7	7.1	3.0	12.5	3.9
1985–1986	4.6	8.2	3.3	5.3	5.1	6.1	5	2.3	–.2	1.4	6.8	2.9
1986–1987	2.6	3.2	2.4	3.9	1.1	–2.2	5	.2	.7	.7	–2.0	–5.0

– Represents zero. Z Less than .05 percent. [1] Includes other items not shown separately. [2] Includes small grant-in-aid to State and local governments. [3] Total interest less interest received by trust funds. [4] Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*

Digitized by Google

No. 473. Federal Trust Fund Receipts, Outlays, and Balances: 1970 to 1987

[**In billions of dollars. For fiscal year ending in year shown;** see text, section 9. Receipts based on collections received and deposited. Outlays stated on a checks-issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1980	1982	1983	1984	1985	1986	1987, est.
Total receipts [1]	**59.4**	**116.8**	**213.9**	**268.4**	**317.4**	**338.1**	**383.9**	**407.2**	**429.2**
OASDI [2] trust funds	31.7	66.7	117.4	148.0	172.5	181.1	200.3	200.2	214.0
Health insurance trust funds	11.9	16.9	35.7	55.2	63.1	68.3	75.5	81.4	90.4
Federal employees retirement funds	4.7	11.5	24.5	32.0	34.9	36.6	40.9	43.3	45.4
Unemployment insurance funds	4.1	8.2	16.2	20.5	31.6	29.9	28.6	26.1	25.6
Highway trust funds	5.5	6.8	7.6	7.8	9.4	12.9	14.3	14.7	14.9
Railroad employees retirement funds	1.7	2.8	4.4	4.9	8.3	8.4	9.1	9.9	9.4
Foreign military sales trust funds	.8	4.4	7.7	11.8	13.2	11.2	9.8	10.7	6.9
Airport and airway trust funds	–	1.1	2.3	.7	2.7	3.0	3.6	3.6	3.9
State and local fiscal assistance trust funds [3]	–	6.2	6.9	4.6	4.6	4.6	4.6	4.2	(NA)
Veterans life insurance funds	.8	.9	1.1	1.2	1.2	1.3	1.3	1.4	1.4
Total outlays [1]	**49.1**	**111.2**	**205.1**	**262.2**	**294.3**	**305.2**	**329.5**	**344.9**	**359.3**
OASDI [2] trust funds	27.3	64.7	118.6	156.0	172.3	180.9	191.0	199.8	208.5
Health insurance trust funds	10.1	14.8	35.0	50.4	56.9	62.7	71.4	75.9	78.2
Federal employees retirement funds	2.8	7.1	14.9	19.7	21.0	22.1	23.3	24.3	26.8
Unemployment insurance funds	3.6	13.2	16.4	24.3	32.7	26.1	23.8	21.8	20.3
Highway trust funds	4.4	4.8	9.2	8.0	8.8	10.6	13.3	14.8	13.8
Foreign military sales trust funds	1.0	3.5	8.8	12.0	12.4	10.9	9.8	9.7	9.4
Railroad employees retirement funds	1.6	3.1	4.7	5.4	6.6	5.7	7.9	8.1	6.6
Airport and airway trust funds	–	.6	1.2	1.5	1.6	1.4	2.6	2.4	2.6
Veterans life insurance funds	.8	.8	1.0	1.0	1.0	1.0	1.0	1.1	1.1
State and local fiscal assistance trust funds [4]	–	6.1	6.8	4.6	4.6	4.6	4.6	5.1	.1
Balances	**97.3**	**142.6**	**192.4**	**205.4**	**228.4**	**261.4**	**315.5**	**378.3**	**447.8**
Federal employees retirement funds	22.5	38.8	74.3	97.3	111.2	125.9	143.5	162.5	181.1
OASDI [2] trust funds	32.6	48.2	32.3	19.3	32.0	32.2	39.8	45.9	65.4
Health insurance trust funds	7.8	11.3	19.0	26.7	20.4	26.0	32.0	48.1	60.4
Military retirement fund	(X)	(X)	(X)	(X)	(X)	–	11.4	23.7	37.0
Unemployment insurance trust fund	13.1	7.4	14.9	10.7	10.0	13.9	18.7	22.9	26.3
Trust revolving funds	5.5	6.9	15.5	19.7	21.1	22.3	25.3	26.1	22.5
Highway trust funds	2.6	9.6	11.0	9.0	9.6	11.8	12.9	12.8	14.0
Veterans life insurance funds	7.1	7.7	8.5	8.8	9.1	9.4	9.7	10.0	10.3
Airport and airway trust fund	–	2.0	5.4	3.9	4.8	6.4	7.4	8.6	10.0
Railroad employees retirement accounts	4.8	4.3	2.7	1.3	.5	3.1	4.2	6.0	6.8
Foreign military sales trust fund	.5	2.1	5.2	4.6	5.3	5.6	5.5	6.5	6.0
Other trust funds (nonrevolving)	.6	.7	1.7	2.8	3.3	3.4	3.9	4.8	5.9
State and local fiscal assistance trust funds	–	1.7	1.8	1.3	1.2	1.2	1.2	.3	(Z)

– Represents zero. NA Not available. X Not applicable. Z Less than $50 million. [1] After deductions for intrafund transactions, proprietary receipts from public, receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. [2] Old-age, survivors, and disability insurance. [3] Deposits for general revenue sharing. [4] Payments for general revenue sharing.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 474. Executive Controllability of Federal Budget Outlays: 1970 to 1987

[**In billions of dollars, except percent. For fiscal years ending in year shown;** see text, section 9. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1982	1983	1984	1985	1986	1987, est.
Total outlays	**195.6**	**332.3**	**590.9**	**745.7**	**808.3**	**851.8**	**946.3**	**989.8**	**1,015.6**
Relatively uncontrollable outlays	**120.3**	**222.2**	**413.8**	**541.4**	**593.5**	**624.1**	**699.4**	**745.4**	**771.0**
Percent of total outlays	61.5	66.9	70.0	72.6	73.4	73.3	72.9	75.3	75.9
Open-ended programs and fixed costs [1]	78.3	168.9	310.7	419.9	464.8	478.8	527.2	564.1	585.8
Payments for individuals [1]	60.1	139.5	246.6	320.1	353.8	357.4	380.5	402.6	419.3
Social Security and railroad retirement	30.7	67.3	120.0	157.4	171.8	179.3	189.9	199.9	206.9
Medical care	9.4	20.6	47.2	65.6	73.5	79.9	91.0	97.8	101.6
Federal employees' retirement and insurance [2]	8.7	18.4	34.7	44.4	47.3	49.0	49.8	52.9	55.8
Food and nutrition assistance	(X)	1.6	3.5	3.0	3.3	3.6	3.7	3.8	4.2
Public assistance and related programs	6.4	12.2	17.5	19.5	20.9	21.0	22.2	24.5	25.8
Unemployment assistance	3.1	12.6	16.6	22.1	29.7	16.9	16.1	16.3	16.6
Net interest	14.4	23.2	52.5	85.0	89.8	111.1	129.4	136.0	137.5
Farm price supports [3]	3.8	.6	2.8	11.7	18.9	7.3	17.7	25.8	25.3
Prior-year contracts and obligations [4]	41.9	53.3	103.2	121.5	128.7	145.3	162.2	181.3	185.2
Relatively controllable outlays	**83.8**	**113.2**	**178.7**	**206.8**	**226.0**	**243.0**	**284.1**	**272.7**	**275.8**
National defense	57.6	84.2	97.4	128.2	141.4	147.8	160.5	165.4	168.1
Civilian programs	26.3	49.1	81.3	78.6	84.5	95.2	123.6	107.3	107.7
Undistributed employer share, employee retirement	–6.4	–11.2	–15.6	–19.8	–23.5	–25.3	–27.2	–28.3	–31.3

X Not applicable. [1] Includes other outlays not shown separately. [2] Includes items previously classified in the veterans' benefits grouping. [3] Prices from Commodity Credit Corporation. [4] Excludes prior year contracts and obligations for items under open-ended programs and fixed costs.

Source: U.S. Office of Management and Budget, *Budget of the United States Government, 1988 Supplement*.

Digitized by Google

No. 475. Revenue Losses Estimates for Selected "Tax Expenditures" by Function: 1975 to 1987

[In millions of dollars. For years ending Sept. 30. Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of $1 billion or more in 1987]

DESCRIPTION	1975	1980	1985	1986	1987
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel	650	1,470	1,955	2,095	2,050
International affairs:					
Exclusion of income earned abroad by United States citizens	130	555	1,405	1,490	1,555
General science, space, and technology:					
Expensing of research and development expenditures	635	1,795	3,590	660	1,220
Credit for increasing research activities	(NA)	(NA)	1,665	680	1,845
Natural resources and environment:					
Exclusion of interest on State and local IDB's for pollution control and sewage and waste disposal facilities	110	635	1,250	1,600	1,795
Commerce and housing credit:					
Exclusion of interest on small issue industrial development bonds	175	430	475	2,775	2,800
Exclusion of interest on life insurance savings	1,545	3,490	2,175	6,990	6,130
Deductibility of interest on consumer credit	1,185	4,745	15,530	17,945	12,065
Deductibility of mortgage interest on owner-occupied homes	5,405	15,615	24,785	30,435	24,920
Deductibility of property tax on owner-occupied homes	4,510	7,310	9,315	8,560	8,030
Exclusion of interest on State and local housing bonds for owner-occupied housing	(NA)	447	1,686	2,050	2,065
Exclusion of interest on State and local debt for rental housing	(NA)	(NA)	755	1,240	1,310
Capital gains (other than agriculture, timber, iron ore and coal)	5,785	16,130	27,425	31,010	23,425
Deferral of capital gains on home sales	805	1,010	1,775	1,985	2,285
Exclusion of capital gains on home sales for persons age 55 and over	40	535	830	925	1,065
Carryover basis of capital gains at death	(NA)	4,750	4,355	4,940	5,685
Investment credit, other than ESOP's, rehabilitation of structures, energy property, and reforestation expenditures	5,810	18,250	24,445	20,055	14,195
Accelerated depreciation on rental housing	520	385	800	2,710	2,870
Accelerated depreciation of buildings other than rental housing	440	355	8,010	5,040	5,185
Accelerated depreciation of machinery and equipment	(NA)	(NA)	20,145	39,010	32,820
Safe harbor leasing rules	(NA)	(NA)	2,340	1,700	1,065
Reduced rates on the first $100,000 of corporate income	(NA)	7,210	5,015	4,655	4,645
Education, training, employment, and social services:					
Parental personal exemption for students age 19 or over	670	1,030	1,110	1,220	2,080
Deductibility of charitable contributions (education)	645	1,090	1,345	1,640	1,340
Credit for child and dependent care expenses	295	885	2,700	3,170	3,455
Deduction for two-earner married couples	(NA)	(NA)	6,725	6,530	4,675
Deductibility of charitable contributions, other than education and health	4,770	6,270	10,175	12,620	9,590
Health:					
Exclusion of employer contributions for medical insurance premiums and medical care	3,275	12,075	21,095	23,435	23,305
Deductibility of medical expenses	2,315	3,150	3,620	3,755	3,130
Exclusion of interest on State and local debt for private nonprofit health facilities	(NA)	425	1,405	2,235	2,415
Deductibility of charitable contributions (health)	(NA)	1,370	1,615	2,000	1,560
Social Security and medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits	275	690	1,170	1,195	1,145
OASI benefits for retired workers	2,740	6,890	12,955	13,275	12,945
Benefits for dependents and survivors	450	1,015	3,755	3,905	3,815
Income security:					
Exclusion of workmen's compensation benefits	505	2,200	2,225	2,425	2,505
Net exclusion of pension contributions and earnings:					
Employer plans	5,225	19,785	48,525	48,950	45,725
Individual Retirement Accounts	(NA)	(NA)	12,695	14,690	13,660
Keoghs	390	1,925	1,980	2,135	2,070
Exclusion of other employee benefits:					
Premiums on group term life insurance	(NA)	(NA)	2,055	2,200	2,120
Additional exemption for elderly	740	1,675	3,005	2,750	1,135
Veterans benefits and services:					
Exclusion of veterans disability compensation	540	1,065	1,695	1,700	1,805
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt	3,805	4,925	8,060	9,590	10,220
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes	8,490	14,690	21,455	23,985	18,800
Tax credit for corporations receiving income from doing business in United States possessions	(NA)	905	1,660	1,895	1,855

NA Not available.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual

Digitized by Google

No. 476. Federal Budget Outlays, by Agency: 1970 to 1987

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

Department or other unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total	**195.6**	**332.3**	**590.9**	**678.2**	**745.7**	**808.3**	**851.8**	**946.3**	**989.8**	**1,015.8**
Legislative branch	.4	.7	1.2	1.2	1.4	1.4	1.6	1.6	1.7	2.1
The Judiciary	.1	.3	.6	.6	.7	.8	.9	1.0	1.1	1.2
Executive Office of the President [1]	(Z)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Funds appropriated to President [2]	2.6	3.9	9.1	8.6	8.1	8.1	11.1	12.1	11.4	11.8
Departments:										
Agriculture	8.4	15.6	34.6	41.6	45.7	52.4	42.0	55.5	58.7	55.1
Commerce	.8	1.1	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.4
Defense	84.3	94.1	146.1	170.7	196.7	223.3	240.4	264.1	285.9	295.1
Education	4.7	7.6	14.8	17.1	14.8	14.6	15.5	16.7	17.7	16.8
Energy	2.4	3.2	6.5	11.7	11.6	10.6	11.0	10.6	11.0	10.6
Health and Human Services	47.7	104.2	194.2	229.7	253.1	276.7	292.2	315.5	333.9	348.1
Housing and Urban Development	2.4	7.5	12.7	14.9	15.2	15.8	16.7	28.7	14.1	14.8
Interior	1.1	2.2	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.2
Justice	.6	2.1	2.6	2.7	2.6	2.8	3.2	3.6	3.8	4.8
Labor [3]	5.1	17.7	29.7	30.1	30.7	38.1	24.5	23.9	24.1	24.5
State	.4	.8	1.9	1.9	2.2	2.3	2.4	2.6	2.9	3.3
Transportation	6.7	10.1	19.8	22.8	20.0	20.6	23.0	25.0	27.4	26.2
Treasury	19.3	41.3	76.5	92.6	110.3	116.4	141.0	164.9	179.2	180.2
Independent agencies:										
Environmental Protection Agency	.4	2.5	5.6	5.2	5.1	4.3	4.1	4.5	4.9	4.6
General Services Administration	.4	−.6	.2	.1	.1	.1	.2	−.2	.2	−.1
National Aeronautics and Space Administration	3.8	3.3	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.9
Office of Personnel Management	2.7	7.1	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.7
Small Business Administration	.3	.7	2.0	2.0	.6	.7	.5	.7	.6	.1
Veterans Administration	6.7	16.6	21.1	22.9	23.9	24.6	25.6	26.3	26.5	26.8
Other independent agencies	4.9	11.8	15.5	14.1	10.5	11.0	11.7	9.8	11.4	17.9
Undistributed offsetting receipts	−12.6	−21.3	−32.0	−41.9	−42.2	−51.1	−52.3	−58.7	−65.0	−71.8

Z Less than $50 million. [1] Represents funds used to finance the operations of the various units within the office of the President. [2] Represents international affairs funds mainly; funds are administered by the State Department, U.S. Agency for International Development, and Department of Defense under the direction of the President. [3] Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988.*

No. 477. Public Debt and Interest Paid of the Federal Government: 1940 to 1986

[For fiscal years ending in year shown; see text, section 9. Total *public debt* is restricted to borrowing by the Treasury and the value of savings bonds at current redemption value. See table 470 for "gross Federal debt." For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 461, 493, and 494]

Year	Public debt			Interest paid		Year	Public debt			Interest paid	
	Total [1] (bil. dol.)	Average annual percent change [2]	Per capita [3] (dol.)	Total (bil. dol.)	Percent of Federal outlays [4]		Total [1] (bil. dol.)	Average annual percent change [2]	Per capita [3] (dol.)	Total (bil. dol.)	Percent of Federal outlays [4]
1940	43.0	8.4	325	1.0	10.5	1976	620.4	16.4	2,852	37.1	10.0
1945	258.7	43.0	1,849	3.8	4.1	1977	698.8	10.1	3,170	41.9	10.2
1950	256.1	−.1	1,688	5.7	13.4	1978	771.5	10.4	3,463	48.7	10.8
1955	272.8	1.3	1,651	6.4	9.4	1979	826.5	7.1	3,669	59.8	11.9
1960	284.1	.9	1,572	9.2	10.0	1980	907.7	9.8	3,985	74.9	12.7
1965	313.8	2.0	1,613	11.3	9.6	1981	997.9	9.9	4,338	95.8	14.1
1970	370.1	3.3	1,814	19.3	9.9	1982	1,142.0	14.4	4,913	117.4	15.7
1971	397.3	7.4	1,921	21.0	10.0	1983	1,377.2	20.6	5,870	128.8	15.9
1972	426.4	7.3	2,037	21.6	9.4	1984	1,572.3	14.2	6,640	153.6	18.1
1973	457.3	7.2	2,184	24.2	9.8	1985	1,823.1	16.0	7,616	178.9	18.9
1974	474.2	3.7	2,223	29.3	10.9	1986	2,125.3	16.6	8,793	187.1	16.9
1975	533.2	12.4	2,475	32.7	9.8						

[1] Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1950, 1955, 1960, 1965, and 1970–1974. [2] From preceding year shown; for 1940, change from 1935. [3] 1940–1976, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1960, excludes Alaska and Hawaii. [4] Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1950. Beginning 1955, total budget outlays. See table 470.

Source: U.S. Dept. of the Treasury, *Statistical Appendix* to the *Annual Report of the Secretary of the Treasury on the State of the Finances* through fiscal 1980; thereafter, *Monthly Statement of the Public Debt of the United States*, and *Final Monthly Treasury Statement of Receipts and Outlays of the U.S. Government.*

Digitized by Google

No. 478. Interest-Bearing Public Debt of the Federal Government: 1970 to 1986

[In billions of dollars. As of end of fiscal year; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 497 and Y 500–504]

YEAR	Total	MARKETABLE				NONMARKETABLE			
		Total	Bills	Notes	Treasury bonds [1]	Total	U.S. savings bonds	Other [2]	Govt. account series [3]
1970	369.0	232.6	76.2	93.5	63.0	136.4	51.3	8.8	76.3
1975	532.1	315.6	128.6	150.2	36.8	216.5	65.4	26.9	124.2
1978	767.0	485.2	160.9	267.9	56.4	281.8	79.8	48.7	153.3
1979	819.0	506.7	161.4	274.2	71.1	312.3	80.4	55.5	176.4
1980	906.4	594.5	199.8	310.9	83.8	311.9	72.7	49.3	189.8
1981	996.5	683.2	223.4	363.6	96.2	313.3	68.0	44.2	201.1
1982	1,140.9	824.4	277.9	442.9	103.6	316.5	67.3	38.7	210.5
1983	1,375.8	1,024.0	340.7	557.5	125.7	351.8	70.0	47.0	234.7
1984	1,559.6	1,176.6	356.8	661.7	158.1	383.0	72.8	50.6	259.5
1985	1,821.0	1,360.2	384.2	776.4	199.5	460.8	77.0	69.9	313.9
1986	2,122.7	[4] 1,564.3	410.7	896.9	241.7	558.4	85.6	106.9	365.9
PERCENT DISTRIBUTION									
1970	100.0	63.0	20.7	25.3	17.1	37.0	13.9	2.4	20.7
1980	100.0	65.6	22.0	34.3	9.2	34.4	8.0	5.4	20.9
1985	100.0	74.7	21.1	42.6	11.0	25.3	4.2	3.8	17.2
1986	100.0	[4] 73.7	19.3	42.3	11.4	26.3	4.0	5.0	17.2

[1] Bank eligible bonds. [2] Comprises Treasury bonds, investment series (all years); Treasury bonds (various); certificates of indebtedness (various); certificates and notes; depositary bonds; U.S. retirement plan bonds; and U.S. savings notes, beginning 1970. [3] 1970 known as U.S. Treasury special issues. [4] Includes Federal Financing Bank, not shown separately.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 479. Federal Securities—Distribution by Class of Investor: 1970 to 1986

[In billions of dollars. As of end of fiscal year; see text, section 9. The Export-Import Bank was moved within the budget effective October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970–76). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt]

YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES				YEAR	Federal securities outstanding, total [1]	INTEREST-BEARING PUBLIC DEBT SECURITIES			
		Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by private investors			Total outstanding	Held by U.S. Govt. accounts	Held by Federal Reserve banks [2]	Held by private investors
1970	383	369	95	58	216	1979	834	819	188	115	516
1972	437	425	111	71	243	1980	914	906	198	121	588
1973	468	456	123	75	258	1981	1,004	996	208	124	664
1974	486	473	138	80	255	1982	1,147	1,141	216	134	790
1975	544	532	145	85	302	1983	1,382	1,378	239	155	981
1976	632	619	150	94	375	1984	1,577	1,560	263	155	1,141
1977	709	698	155	[3] 105	437	1985	1,827	1,821	317	170	1,335
1978	780	767	168	115	484	1986	2,130	2,123	383	191	1,549

[1] Includes agency securities and matured public debt not shown separately. [2] Public issues.
[3] Includes a nonmarketable Federal Reserve special certificate for $2,500.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 480. Interest-Bearing Government Securities Outstanding: 1970 to 1986

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values]

TYPE OF SECURITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	**521**	**756**	**959**	**1,049**	**1,128**	**1,247**	**1,363**	**1,540**	**1,823**	**2,052**	**2,375**	**2,863**
Tax exempt [1]	139	213	251	273	302	334	360	394	442	488	550	676
Percent of total	26.7	28.2	26.2	26.0	26.8	26.8	26.4	25.6	24.2	23.8	23.2	24.1
Taxable [2]	308	419	568	623	650	723	802	936	1,146	1,304	1,511	1,761
Government account series [3]	76	124	140	153	176	190	201	210	235	260	314	366
By issuer:												
U.S. Treasury	369	532	698	767	819	906	996	1,141	1,378	1,560	1,821	2,123
Agency securities [4]	13	11	10	9	7	7	6	5	5	4	4	4
State and local govts [1] [5]	139	213	251	273	302	334	360	394	442	488	550	676

[1] Source: Board of Governors, Federal Reserve System, unpublished data. [2] Interest is subject to both normal and surtax rates of Federal income tax. [3] Prior to July 1, 1974, known as U.S. Treasury special issues. [4] Excludes securities issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal intermediate credit banks, and banks for cooperatives. [5] Wholly tax-exempt. Includes industrial pollution control bonds, student loan bonds and nonprofit hospital bonds.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix* to the *Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Treasury Bulletin*, quarterly.

Digitized by Google

No. 481. Federal Participation in Domestic Credit Markets: 1978 to 1986

[In **billions of dollars, except percent.** See headnote, table 482. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises. Nonfinancial sectors]

TYPE OF PARTICIPATION	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total funds loaned in U.S. credit markets, excluding equities [1]	**376.0**	**416.7**	**352.9**	**410.1**	**392.3**	**511.3**	**703.4**	**765.0**	**889.1**
Federal and federally assisted lending	58.4	72.9	79.9	86.5	67.6	86.5	79.5	110.3	129.1
Federal participation rate (percent)	15.4	17.4	22.6	21.1	22.3	16.9	11.3	14.4	14.5
Direct loans	19.6	19.6	24.2	26.1	23.4	15.3	8.3	26.0	11.2
Guaranteed loans	13.4	25.2	31.6	26.0	20.9	34.1	20.1	21.8	34.6
Government-sponsored enterprise loans	25.2	28.1	24.1	32.4	43.3	37.1	53.1	60.7	83.3
Total funds borrowed in U.S. credit markets [1]	**376.0**	**416.7**	**352.9**	**410.1**	**392.3**	**511.3**	**703.4**	**765.0**	**889.1**
Federal and federally assisted borrowing	93.9	80.7	123.5	142.1	199.7	281.0	246.4	276.8	378.0
Federal participation rate (percent)	24.6	19.3	35.0	34.7	50.9	55.0	35.0	36.2	42.5
Federal borrowing from public	59.1	33.8	70.5	79.3	135.0	212.3	170.8	197.3	236.3
Borrowing for guaranteed loans	13.4	25.2	31.6	26.0	20.9	34.1	20.1	21.8	34.6
Government-sponsored enterprise borrowing	21.4	21.9	21.4	34.8	43.8	34.8	55.5	57.9	107.1

[1] Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 482. Federal Direct and Guaranteed Loans: 1970 to 1987

In billions of dollars. As of **end of fiscal year;** see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 481]

YEAR	DIRECT LOANS [1]			GUARANTEED LOANS [2]		
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Primary [3]	Net loans	Guaranteed loans outstanding
1970	12.4	3.0	51.1	27.5	8.4	125.1
1975	28.8	12.8	74.1	31.2	8.7	198.3
1977	35.4	11.5	100.7	43.9	14.0	224.0
1978	48.6	19.8	120.5	48.5	13.9	237.9
1979	49.2	19.6	140.5	60.5	26.1	264.6
1980	49.3	24.2	168.9	66.2	32.4	296.5
1981	55.9	26.1	185.0	80.2	26.0	309.1
1982	37.1	23.5	207.8	59.6	20.9	391.2
1983	43.8	15.3	223.0	78.0	34.1	363.8
1984	41.4	6.3	229.3	73.3	20.1	386.7
1985	64.4	28.0	257.4	55.5	21.6	410.4
1986	42.2	11.2	251.6	89.6	34.6	449.8
1987, est.	39.5	−15.2	236.4	124.8	76.4	526.2

[1] Includes loans from "off-budget" Government accounts. [2] Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. [3] Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

No. 483. U.S. Savings Bonds: 1970 to 1986

[**In billions of dollars, except percent.** As of **end of fiscal year;** see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Amounts outstanding, total [1]	51.6	65.5	79.6	80.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8
Funds from sales	4.7	6.8	6.0	7.3	4.6	3.4	3.1	4.0	3.9	5.0	6.3
Accrued discounts	1.0	3.3	4.1	4.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6
Redemptions [2]	6.3	6.5	7.7	11.0	16.7	12.3	8.7	6.1	6.1	5.7	5.1
Percent of total outstanding	12.2	10.0	9.7	13.6	23.0	18.0	12.9	8.7	8.3	7.4	6.0

[1] Interest-bearing debt only for amounts end of period or end of year. [2] Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

Digitized by Google

No. 484. Consolidated Statement of Financial Position of the United States Government: 1980 to 1986

[In billions of dollars. As of September 30]

ITEM	1980	1981	1982	1983	1984	1985	1986, prel.
BALANCE SHEET							
Assets, total [1]	**590.0**	**690.3**	**795.0**	**883.1**	**937.3**	**949.4**	**1,015.8**
Cash and monetary reserves	54.4	59.9	71.2	79.7	72.8	64.6	91.2
Operating cash in the Treasury	21.0	18.7	29.1	37.1	30.4	17.1	31.4
International monetary reserves	16.8	19.7	22.4	26.1	28.3	29.6	31.3
Other cash	16.6	21.5	19.7	16.5	14.1	17.9	28.5
Receivables (net allowances)	146.5	150.2	169.2	182.7	191.3	214.8	230.3
Loans receivable	95.9	103.1	113.0	114.5	114.9	139.6	144.6
Accounts receivable	40.0	41.0	51.2	60.4	66.2	68.2	66.5
Advances and prepayments	10.6	6.1	5.0	7.8	10.2	7.0	17.2
Inventories (at cost) [1]	88.1	113.7	124.5	143.5	151.4	200.5	185.3
Operating consumables	47.9	65.6	60.0	67.1	61.1	98.4	121.0
Stockpiled materials	14.5	19.1	15.6	15.5	16.5	17.5	43.1
Product or service component	25.7	29.0	48.9	60.9	53.8	84.6	19.4
Property and equipment (at cost)	411.7	468.6	520.3	568.3	611.6	658.3	681.1
Military hardware	189.5	209.4	244.8	292.0	330.2	352.4	313.3
Structures, facilities and leasehold improvements	122.0	130.0	140.5	141.9	139.2	156.7	143.8
Equipment	57.3	81.2	84.3	82.0	88.6	93.7	57.5
Construction in progress	28.3	32.4	35.7	37.3	37.5	38.2	41.8
Land	12.1	12.5	10.9	10.5	10.3	13.5	10.5
Other	2.5	3.1	4.1	4.6	5.8	3.8	14.2
Accumulated depreciation	204.0	231.3	257.0	280.4	299.5	314.4	284.2
Deferred charges and other assets	32.5	49.8	68.7	86.1	99.6	130.7	208.1
Liabilities, total	**590.0**	**690.3**	**795.0**	**883.1**	**937.3**	**949.4**	**1,015.8**
Accrued pension, retirement, and disability plans	2,205.5	2,474.8	[1] 2,745.9	[1] 2,987.5	[1] 3,181.8	3,259.8	3,434.2
Social security	1,241.7	1,430.0	1,616.7	1,778.4	1,911.8	2,059.8	2,232.6
Civilian employees	430.3	464.4	491.9	514.6	537.0	563.0	583.0
Military personnel	348.9	377.8	418.5	444.3	422.3	440.6	440.6
Veterans compensation	174.6	192.7	200.0	223.0	221.8	184.5	185.3
Federal employees compensation	10.0	9.9	10.0	10.8	11.3	11.9	12.7
Borrowing from the public	708.9	784.4	918.8	1,130.4	1,299.5	1,498.8	1,749.1
Accounts payable	81.6	97.8	105.7	143.5	161.5	105.3	86.2
Unearned revenue	17.5	22.6	28.1	28.5	31.8	41.4	41.2
Contingent liabilities for guarantee and insurance programs	8.7	7.6	3.1	2.4	3.5	8.3	(NA)
Other liabilities	59.7	59.5	64.0	56.7	58.5	109.8	173.2
Accumulated position end of period	(NA)	(NA)	(NA)	(NA)	**1,827.8**	**2,075.8**	**2,298.6**
Accumulated position beginning of period	(NA)	(NA)	(NA)	(NA)	1,687.5	1,827.9	2,075.8
Current period results	142.4	76.3	127.4	233.6	140.3	247.9	223.8
Current noncash provision for social security	179.8	188.4	186.6	161.7	133.9	148.0	172.3
INCOME STATEMENT							
Revenues, total [1]	**587.6**	**695.7**	**772.8**	**760.4**	**830.5**	**897.8**	**926.2**
Levied under the Government's sovereign power [1]	521.7	599.8	632.1	608.7	671.4	736.8	773.2
Individual income taxes	244.1	285.6	298.1	288.9	296.0	334.8	349.0
Social insurance taxes and contributions	160.7	183.0	201.1	209.0	241.9	265.2	283.9
Corporate income taxes	63.9	58.7	53.2	39.1	62.3	70.7	63.8
Expenses by object	**730.0**	**772.0**	**900.2**	**994.0**	**1,030.6**	**1,145.5**	**1,150.0**
Vendor services and supplies	111.9	131.8	210.5	211.3	191.8	(NA)	(NA)
Grants, subsidies, and contributions	116.7	124.4	183.7	245.2	185.6	(NA)	(NA)
Salaries and employee benefits	96.4	106.6	132.3	91.0	96.4	(NA)	(NA)
Pensions, health and life insurance	166.8	128.3	127.8	133.0	115.1	(NA)	(NA)
Casualty insurance and indemnities	152.7	175.2	122.5	181.7	274.9	(NA)	(NA)
Interest	59.9	78.4	97.7	108.4	129.0	(NA)	(NA)
Depreciation	23.6	27.3	25.7	23.4	37.8	40.4	34.9

NA Not available. [1] Includes other items not shown separately.

Source: U.S. Dept. of the Treasury, *Consolidated Financial Statements of the United States Government*, annual.

Digitized by Google

No. 485. Federal Funds—Summary Distribution, by State and Outlying Areas: 1986

[In **millions of dollars, except as indicated.** For year ending **Sept. 30.** Data for grants, salaries and wages, and direct payments to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (−) indicates decrease. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Federal funds: Total [1]	Federal funds: Percent change 1985–1986	Federal funds: Per capita [2] (dol.)	Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.	Salaries and wages
Total	**830,259**	**5.3**	**3,382**	**229,870**	**600,389**	**364,690**	**205,871**	**112,596**	**120,627**
U.S.	802,969	5.4	3,331	214,825	588,142	360,945	196,805	108,951	119,849
Region:									
Northeast	169,004	4.1	3,379	40,937	128,066	81,527	38,455	28,015	16,827
Midwest	173,156	4.7	2,919	32,854	140,302	86,816	31,497	26,122	18,348
South	281,738	6.9	3,395	79,529	202,211	125,125	61,069	33,135	55,005
West	179,069	5.1	3,673	61,505	117,563	67,477	55,784	21,679	29,469
New England	**49,801**	**3.1**	**3,910**	**18,428**	**31,373**	**19,987**	**17,071**	**6,563**	**4,686**
Maine	3,742	−6.3	3,187	918	2,824	1,924	645	672	455
New Hampshire	2,973	−5.1	2,895	945	2,028	1,447	518	404	557
Vermont	1,435	−1.3	2,652	188	1,247	754	151	334	155
Massachusetts	24,937	7.6	4,276	9,637	15,300	9,521	9,461	3,082	2,079
Rhode Island	3,223	4.2	3,306	745	2,478	1,698	448	570	440
Connecticut	13,491	.3	4,290	5,995	7,496	4,643	5,848	1,501	1,000
Middle Atlantic	**119,203**	**4.5**	**3,197**	**22,509**	**96,693**	**61,540**	**21,384**	**21,452**	**12,141**
New York	59,448	4.7	3,345	11,279	48,169	28,554	11,679	12,380	5,217
New Jersey	22,302	1.3	2,927	4,718	17,583	11,769	4,124	3,354	2,737
Pennsylvania	37,453	6.3	3,150	6,512	30,941	21,217	5,581	5,718	4,187
East North Central	**112,246**	**6.7**	**2,689**	**18,252**	**93,994**	**60,583**	**18,168**	**18,437**	**11,521**
Ohio	31,823	10.9	2,960	6,929	24,894	15,860	7,452	4,764	3,175
Indiana	14,686	2.2	2,668	3,313	11,373	7,732	2,997	2,000	1,446
Illinois	30,149	6.1	2,610	3,509	26,640	16,751	3,014	5,010	4,000
Michigan	23,402	5.3	2,559	3,170	20,232	13,491	3,101	4,353	1,959
Wisconsin	12,186	6.4	2,547	1,331	10,855	6,729	1,604	2,310	941
West North Central	**60,910**	**1.2**	**3,465**	**14,602**	**46,308**	**26,233**	**13,329**	**7,685**	**6,827**
Minnesota	12,431	5.7	2,950	2,595	9,836	5,470	2,674	2,110	1,019
Iowa	8,345	9.2	2,927	751	7,595	4,406	822	1,158	903
Missouri	20,894	−6.8	4,124	6,801	14,092	6,134	6,833	1,982	2,342
North Dakota	2,818	4.7	4,150	518	2,302	967	314	433	440
South Dakota	2,454	6.1	3,466	328	2,126	1,066	213	457	385
Nebraska	5,211	10.0	3,261	767	4,444	2,421	507	661	773
Kansas	6,757	1.4	3,558	2,844	5,913	3,769	2,166	884	1,265
South Atlantic	**155,089**	**4.9**	**3,790**	**46,474**	**108,617**	**67,025**	**31,870**	**16,333**	**35,933**
Delaware	1,786	3.6	2,821	428	1,358	927	260	314	253
Maryland	21,686	4.2	4,859	7,094	14,592	7,326	6,776	1,959	4,987
District of Columbia	14,436	8.0	23,061	1,732	12,705	1,499	2,759	1,423	7,453
Virginia	28,039	3.9	4,845	13,580	14,459	9,371	7,260	1,995	8,705
West Virginia	5,409	7.8	2,819	264	5,146	3,461	321	1,063	486
North Carolina	15,746	4.9	2,487	3,836	11,910	8,421	1,530	2,261	3,163
South Carolina	9,944	1.4	2,944	2,736	7,208	4,552	1,784	1,322	2,170
Georgia	18,506	5.5	3,032	6,438	12,068	7,799	3,957	2,732	3,728
Florida	39,537	5.8	3,386	10,366	29,171	23,669	7,223	3,244	4,988
East South Central	**50,005**	**14.8**	**3,288**	**9,730**	**40,275**	**22,909**	**11,951**	**7,015**	**7,313**
Kentucky	12,516	28.7	3,357	1,786	10,730	5,576	3,300	1,784	1,709
Tennessee	15,917	17.4	3,314	1,937	13,980	6,968	4,550	2,128	2,036
Alabama	13,097	5.0	3,232	3,408	9,689	6,437	2,266	1,759	2,423
Mississippi	8,475	8.6	3,229	2,599	5,876	3,928	1,835	1,344	1,145
West South Central	**76,644**	**6.3**	**2,853**	**23,326**	**53,319**	**35,191**	**17,248**	**9,787**	**11,759**
Arkansas	7,179	4.4	3,026	1,474	5,705	3,960	1,021	1,123	766
Louisiana	12,272	2.7	2,743	2,547	9,825	5,856	2,562	2,039	1,479
Oklahoma	9,750	7.0	2,950	2,400	7,351	4,902	973	1,400	1,990
Texas	47,343	7.4	2,838	16,904	30,438	20,473	12,692	5,225	7,524
Mountain	**46,564**	**11.8**	**3,576**	**11,833**	**34,729**	**17,520**	**13,824**	**6,006**	**7,706**
Montana	2,821	1.7	3,444	238	2,583	1,231	158	592	413
Idaho	3,005	4.7	2,996	306	2,698	1,331	642	435	413
Wyoming	1,523	−1.8	3,003	236	1,286	560	182	471	266
Colorado	11,496	17.4	3,519	3,528	7,968	4,068	3,555	1,220	2,296
New Mexico	7,092	7.9	4,795	1,400	5,692	2,029	2,984	857	1,103
Arizona	11,403	13.6	3,439	3,988	7,514	5,166	3,253	1,206	1,563
Utah	5,501	10.7	3,304	1,665	3,816	1,757	1,624	807	1,176
Nevada	3,723	20.7	3,866	552	3,172	1,378	1,426	418	476
Pacific	**132,505**	**2.9**	**3,708**	**49,672**	**82,834**	**49,957**	**41,960**	**15,873**	**21,763**
Washington	16,874	1.2	3,781	5,006	11,868	6,736	4,761	1,905	2,948
Oregon	7,409	2.9	2,746	689	6,720	4,356	593	1,340	915
California	100,860	3.1	3,738	40,304	60,556	36,960	35,228	11,291	15,052
Alaska	2,719	7.4	5,091	1,187	1,532	386	759	664	887
Hawaii	4,643	1.7	4,372	2,486	2,158	1,517	619	473	1,961
American Samoa	64	4.9	1,788	3	61	10	6	46	2
Guam	621	—	5,005	425	195	66	62	127	364
Northern Marianas	56	−13.9	2,964	—	56	5	2	49	1
Puerto Rico	6,022	3.1	1,835	655	5,367	2,676	549	2,296	449
Pacific Islands, Trust Terr	137	−2.1	1,106	5	132	5	—	124	7
Virgin Islands	447	−24.8	4,031	185	262	96	171	141	37
Undistributed	19,943	2.2	(x)	13,770	6,173	887	18,072	859	123

– Represents zero. X Not applicable. [1] Includes other programs not shown separately.
[2] Resident population, provisional estimate as of July 1, 1986.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

Digitized by Google

No. 486. Tax Returns Filed—Examination Coverage: 1970 to 1986

[In thousands, except as indicated]

Year and item	Returns filed [1]	Returns examined: Total	Returns examined: Percent of returns filed	Returns examined: By—Revenue agents	Returns examined: By—Tax auditors	Returns examined: By—Service centers	Average tax and penalty per return (dollars): Revenue agents	Average tax and penalty per return (dollars): Tax auditors	Average tax and penalty per return (dollars): Service centers
INDIVIDUAL RETURNS									
1970	76,431.0	1,672.0	2.2	(NA)	(NA)	–	(NA)	(NA)	–
1975	81,272.0	1,836.6	2.3	355.2	1,483.4	–	2,609	219	–
1980	90,727.0	1,833.9	2.0	292.5	1,346.3	195.1	1,335	602	39
1981	93,052.0	1,644.1	1.8	289.5	1,193.1	161.5	6,374	579	223
1982	94,013.0	1,455.3	1.6	285.5	1,066.6	103.2	7,505	751	364
1983	95,419.0	1,427.7	1.5	277.9	1,001.9	147.9	10,248	990	316
1984	95,541.3	1,215.9	1.3	276.2	859.4	80.4	11,584	1,314	692
1985	96,496.9	1,265.6	1.3	332.6	810.9	122.1	10,854	1,539	496
1986, total	**99,529.0**	**1,090.9**	**1.1**	**298.9**	**732.5**	**59.6**	**14,052**	**1,945**	**862**
1040A, total income under $10,000	20,353.2	60.1	.3	9.3	47.8	3.0	13,933	1,195	1,519
Non 1040A, total income: [2]									
Under $10,000	9,905.4	37.0	.4	6.3	26.5	4.2	5,523	999	1,358
$10,000–$24,999, simple	20,903.4	101.2	.5	12.3	85.3	3.6	3,611	916	561
$10,000–$24,999, complex	10,089.7	126.8	1.3	22.4	91.6	12.8	4,032	853	452
$25,000–$49,999	23,610.5	390.0	1.6	58.7	308.1	23.2	4,643	1,097	697
$50,000 and over	8,507.1	238.8	2.8	117.4	112.8	8.6	20,316	5,760	1,476
Schedule C—TGR: [3] Under $25,000	1,868.3	24.9	1.3	9.0	15.3	.7	4,946	1,460	640
$25,000–$99,999	2,023.6	45.4	2.2	20.9	23.1	1.5	8,693	2,554	1,087
$100,000 and over	1,117.0	52.3	4.7	36.4	14.6	1.1	24,708	7,043	1,747
Schedule F—TGR: [3] Under $25,000	261.5	2.5	.9	.7	1.7	.1	6,158	613	254
$25,000–$99,999	453.5	5.2	1.1	1.7	3.1	.3	6,226	1,017	270
$100,000 and over	235.6	6.9	2.9	3.9	2.5	.5	26,719	3,180	704
1986—OTHER RETURNS									
Fiduciary	2,125.0	7.5	.4	7.5	–	–	15,116	..	–
Partnerships	1,727.5	17.2	1.0	17.2	–	–	..	..	–
Corporation, total	2,647.7	59.7	2.3	59.7	–	–	181,901	..	–
Small business corporations	736.9	7.9	1.1	7.9	–	–	17,634	..	–
Form 1120 DISC [4]	13.3	1.4	10.4	1.4	–	–	–	..	–
Estate, total	80.7	16.6	20.6	16.6	–	–	41,738	..	–
Gross estate: Under $1 million	68.5	10.9	15.9	10.9	–	–	19,336	..	–
$1 million-$4.9 million	11.3	5.2	46.0	5.2	–	–	54,229	..	–
$5 million and over	.9	.7	76.4	.7	–	–	299,978	..	–
Gift	97.7	1.9	1.9	1.9	–	–	108,621	..	–
Excise	1,150.0	46.6	4.1	46.6	–	–	3,210	..	–
Employment	27,409.3	36.4	.1	35.3	1.1	–	6,759	..	–
Windfall profit	10.5	6.1	57.7	2.4	–	3.6	401,566	988	–
Miscellaneous	..	(Z)	–	(Z)	–	–	18,162	–	2,407
Service center corrections	–	564.0	–	–	–	564.0	–	–	–

– Represents zero. NA Not available. Z Less than 50. [1] Returns filed in previous calendar year. [2] Income o that from positive sources only. [3] Total gross receipts. [4] Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*

No. 487. Internal Revenue Gross Collections, by Source: 1970 to 1986

[For fiscal year ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 358–373]

Source of revenue	Collections (bil. dol.) 1970	1975	1980	1982	1983	1984	1985	1986	Percent of total 1970	1980	1985	1986
All taxes	**195.8**	**293.8**	**519.4**	**632.2**	**627.2**	**680.5**	**742.9**	**782.3**	**100.0**	**100.0**	**100.0**	**100.0**
Individual income taxes	103.7	156.4	287.5	352.6	349.6	362.9	396.7	416.6	53.0	54.9	53.4	53.2
Withheld by employers	77.4	122.1	223.8	267.5	266.0	279.0	299.0	314.4	39.5	43.1	40.2	40.1
Employment taxes [1]	37.4	70.1	128.3	168.7	173.8	199.2	225.2	244.4	19.1	24.7	30.2	31.2
Old-age and disability insurance	35.7	67.1	122.5	162.1	166.4	189.5	215.6	234.9	18.2	23.6	29.0	30.0
Unemployment insurance	.8	1.4	3.3	3.4	4.3	6.0	5.7	5.7	.4	.6	.8	.7
Corporation income taxes	35.0	45.7	72.4	66.0	61.8	74.2	77.4	80.4	17.9	13.9	10.4	10.2
Estate and gift taxes	3.7	4.7	6.5	6.1	6.2	6.2	6.6	7.2	1.9	1.3	.9	.9
Excise taxes	15.9	18.6	24.6	36.8	35.8	36.0	37.0	33.7	8.1	4.7	5.0	4.3
Alcohol	4.7	5.4	5.7	5.5	5.6	5.4	5.4	5.6	2.4	1.1	.7	.7
Tobacco	2.1	2.3	2.4	2.5	4.1	4.7	4.5	4.6	1.1	.5	.6	.5
Manufactures	6.7	5.5	6.5	6.4	6.4	10.1	10.0	9.9	3.4	1.3	1.3	1.3
Windfall profits tax	(x)	(x)	3.1	22.0	15.7	8.1	5.1	8.9	(x)	.6	.7	1.1
Other	2.4	3.7	6.9	.4	4.0	9.7	12.0	4.7	1.2	1.3	1.6	.6

X Not applicable. [1] Includes railroad retirement, not shown separately.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*

Digitized by Google

No. 488. Federal Individual Income Tax Returns With Adjusted Gross Income (AGI)—Summary: 1970 to 1985

[Includes Puerto Rico and Virgin Islands. Includes returns of resident aliens; based on a sample of unaudited returns as filed. Taxability or nontaxability is determined by presence or absence of income tax *after credits and additional tax for tax preferences*. Classification as "nontaxable" generally based on each return as originally filed and does not reflect subsequent changes (amended returns, audits, etc.). Adjusted gross income is gross income less losses from all sources subject to tax reduced by legally permitted subtractions such as: Expenses of operating a business or trade, contributions to Individual Retirement Arrangements, moving expenses, etc. Data are not comparable for all years because of tax changes. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 393–411, for related data]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985
Returns, total	Million	74.3	82.2	93.9	95.4	95.3	96.3	99.4	101.7
Joint returns	Million	42.4	44.1	45.2	45.7	46.1	46.4	47.4	47.6
Gross income, total	Bil. dol	639.4	962.9	1,642.3	1,804.0	1,917.0	2,024.0	2,229.6	2,401.0
Salaries and wages	Bil. dol	531.9	795.4	1,349.8	1,486.1	1,565.0	1,644.6	1,807.1	1,928.2
Interest received	Bil. dol	22.0	43.4	102.0	[1] 140.6	157.0	153.8	176.4	182.1
Taxable pensions and annuities	Bil. dol	7.9	20.9	43.3	51.9	60.1	69.8	80.4	95.1
Dividends, after exclusions	Bil. dol	15.8	21.9	36.8	(NA)	52.1	48.6	48.6	55.0
Net capital gain less loss, amount	Bil. dol	9.0	14.1	29.7	30.8	34.4	48.9	54.5	68.3
Business net income (less loss) amount	Bil. dol	30.6	39.4	55.1	53.1	50.6	60.4	70.6	78.8
Statutory adjustments, total:									
Returns, number	Million	8.4	9.0	13.1	14.1	33.4	34.8	37.0	37.8
Amount	Bil. dol	7.7	15.1	28.6	31.4	64.9	81.4	89.7	95.1
Married couple, both employed:									
Returns number	Million	(x)	(x)	(x)	(x)	21.7	22.6	24.1	24.8
Amount	Bil. dol	(x)	(x)	(x)	(x)	9.0	19.8	22.4	24.6
Individual Retirement Arrangements (IRA):									
Returns, number	Million	(x)	1.2	2.6	3.4	12.0	13.6	15.2	16.2
Amount	Bil. dol	(x)	1.4	3.4	4.8	28.3	32.1	35.4	38.2
Keogh (Self-employed retirement):									
Returns, number	Million	.6	.6	.6	.6	.6	.7	.6	.7
Amount	Bil. dol	.8	1.8	2.0	2.0	2.5	2.9	4.1	5.2
Adjusted gross income	Bil. dol	631.7	947.6	1,613.7	1,772.6	1,852.1	1,942.6	2,139.9	2,306.0
Exemptions:									
Total number	Million	204.1	212.2	227.9	231.2	232.2	234.4	240.9	244.2
Number, age 65 or over	Million	8.9	9.9	11.8	13.1	14.0	14.8	15.9	16.7
Total amount	Bil. dol	127.5	159.1	227.6	231.1	232.1	234.4	240.9	253.7
Deductions, total:									
Number of returns	Million	73.9	61.6	88.5	90.3	90.3	91.5	94.9	96.6
Amount	Bil. dol	120.5	233.2	346.0	401.2	[2] 425.2	[2] 448.7	[2] 500.0	[2] 550.0
Itemized deductions, total:									
Number of returns	Million	35.4	26.1	29.0	31.6	33.4	35.2	38.2	39.8
Amount	Bil. dol	88.2	122.3	216.0	256.4	284.5	309.6	358.9	405.0
Medical and dental expense	Bil. dol	10.6	11.4	15.0	17.9	21.7	[3] 18.1	[3] 21.5	[3] 22.9
Taxes paid	Bil. dol	32.0	44.1	69.4	79.7	88.0	99.8	115.2	128.1
Interest paid	Bil. dol	23.9	38.9	91.2	108.7	121.9	134.7	158.2	180.1
Home mortgage interest	Bil. dol	13.3	24.1	59.3	68.6	79.3	88.8	102.1	115.0
Contributions	Bil. dol	12.9	15.4	25.8	30.8	33.5	37.7	42.1	48.0
Taxable income:									
Number of returns	Million	59.8	65.9	88.1	89.9	89.7	90.8	94.2	[4] 96.1
Amount	Bil. dol	401.2	595.5	1,280.0	1,410.9	1,473.3	1,544.9	1,701.4	[4] 1,820.7
Percent of AGI	Percent	63.5	62.8	79.3	79.6	79.5	79.5	79.5	79.0
Income tax before credits:									
Number of returns	Million	59.6	65.9	76.1	79.0	78.3	80.6	84.4	86.0
Amount	Bil. dol	[4] 84.2	132.5	256.3	293.6	283.9	279.8	306.7	332.2
Tax credits, total	Bil. dol	.4	6.1	7.2	11.3	7.9	8.2	9.3	10.2
General	Bil. dol	(x)	5.0	(x)	[4] 3.4	(x)	(x)	(x)	(x)
Investment	Bil. dol	(z)	1.6	3.3	4.0	4.1	4.2	6.4	7.0
Foreign	Bil. dol	.2	.4	1.3	1.2	.8	.6	.7	.8
Child care	Bil. dol	(x)	(x)	1.0	1.1	1.5	2.1	2.6	3.1
Elderly	Bil. dol	.2	.1	.1	.1	.1	.1	.1	.1
Residential energy	Bil. dol	(x)	(x)	.6	.6	.6	.5	.6	.8
Earned income	Bil. dol	(x)	.3	.5	.5	.4	.3	.3	.4
Income tax after credits	Bil. dol	83.8	124.4	249.1	282.3	276.1	271.7	297.4	321.9
Additional tax for tax preferences	Bil. dol	.1	.1	1.3	1.8	1.5	2.5	4.5	3.8
Income tax, total:									
Number of returns	Million	59.3	61.5	73.9	76.7	77.0	78.0	81.6	82.6
Amount	Bil. dol	83.9	124.5	250.3	284.1	277.6	274.2	301.9	325.7
Percent of AGI	Percent	13.7	13.9	16.1	16.5	15.4	14.5	14.1	14.4
Percent of taxable income	Percent	20.9	21.1	20.0	20.5	19.2	18.1	17.7	18.2
Average AGI per return	Dollars	8,504	11,526	17,185	18,582	19,427	20,168	21,520	22,683
Average income tax per return	Dollars	1,415	2,025	3,387	3,703	3,605	3,514	3,696	3,931
Income tax per capita [5]	Dollars	406	578	1,102	1,237	1,197	1,343	1,277	1,364
Payment status:									
Payment due returns	Million	16.5	15.8	21.6	23.0	20.3	18.5	21.2	21.2
Refund or credit due returns	Million	55.3	63.8	69.9	70.0	72.4	75.0	75.6	77.4

NA Not available. X Not applicable. Z Less than $50 million. [1] Data for interest and dividends are before exclusion. The combined amount of interest and dividends in adjusted gross income (after the exclusion) was $178.1 billion. [2] Includes total itemized deductions, charitable contributions for non-itemizers and zero bracket amounts on non-itemized returns. [3] Individuals could take the medical and dental expense deduction if the total of deductible expenses exceeded 5 percent of their adjusted gross income. [4] Excludes zero bracket amount. [5] Includes surcharge of $2 billion. [6] For 1981 only, this was the 1.25 percent rate reduction credit applicable to all returns with income tax before credits, as provided by the Economic Recovery Tax Act of 1981. [7] Based on resident population, as of July 1.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1986–87.

Digitized by Google

No. 489. Individual Income Tax Returns—Number, Income Tax and Average Tax, by Size of Adjusted Gross Income: 1984 and 1985

[Number in thousands; money amounts in millions of dollars]

Size of adjusted gross income	Number of returns		Total adjusted gross income (AGI)		Taxable income		Income tax, total [1]		Filers with income tax liability			
									Average tax (dol.)		Tax as percent of AGI	
	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985
Total	99,439	101,660	2,139,904	2,305,951	1,701,366	1,820,741	301,923	325,710	3,698	3,931	14.1	14.4
Less than $1,000	3,329	3,292	−31,984	−36,741	64	7	420	186	[2] 16,783	[2] 16,464	(X)	(X)
$1,000–$2,999	6,884	6,771	13,733	13,581	6,504	5,948	45	42	104	111	5.4	5.5
$3,000–$4,999	7,031	6,685	28,151	26,770	17,252	16,049	430	348	103	100	2.5	2.4
$5,000–$6,999	6,584	6,571	39,618	39,357	26,096	25,680	1,233	1,193	282	275	4.7	4.6
$7,000–$8,999	6,793	6,664	54,389	53,478	38,888	37,544	2,483	2,260	465	460	5.6	5.7
$9,000–$10,999	6,052	6,235	60,390	62,125	45,304	46,036	3,618	3,481	651	633	6.5	6.3
$11,000–$12,999	5,876	5,583	70,439	66,663	54,709	51,016	5,014	4,549	699	665	7.5	7.2
$13,000–$14,999	5,203	5,387	72,660	75,352	57,398	58,885	5,832	5,789	1,163	1,119	8.3	8.0
$15,000–$16,999	4,894	4,895	78,196	78,225	62,490	61,708	6,785	6,534	1,415	1,375	8.9	8.6
$17,000–$18,999	4,562	4,543	82,013	81,675	66,307	65,462	7,775	7,482	1,736	1,686	9.7	9.4
$19,000–$21,999	5,646	6,089	115,467	124,506	93,889	100,463	11,678	12,203	2,100	2,044	10.3	10.0
$22,000–$24,999	5,199	5,051	122,124	118,540	99,375	95,256	13,238	12,275	2,573	2,469	11.0	10.5
$25,000–$29,999	7,635	7,458	209,275	204,399	168,006	164,077	23,793	22,917	3,152	3,104	11.5	11.3
$30,000–$34,999	6,021	11,636	195,264	402,943	155,819	320,092	23,927	49,794	4,004	4,313	12.3	12.5
$35,000–$39,999	5,054		188,944		149,423		24,676		4,907		13.1	
$40,000–$49,999	5,963	6,702	264,922	297,914	210,324	233,646	38,675	41,502	6,504	6,215	14.6	14.0
$50,000–$74,999	4,658	5,629	275,047	333,710	214,921	259,467	47,355	56,065	10,211	9,984	17.3	16.8
$75,000–$99,999	1,646	1,263	89,290	107,425	69,195	82,293	18,759	21,795	17,944	17,297	21.1	20.3
$100,000–$149,999	581	909	69,274	119,200	53,604	90,835	17,116	29,657	29,502	32,735	24.8	25.0
$150,000–$199,999	180		30,768		23,866		8,645		48,205		28.2	
$200,000–$299,999	132	238	31,730	68,986	24,405	52,920	10,014	22,033	75,844	92,735	31.6	32.0
$300,000–$499,999	67		25,780		19,789		8,762		130,272		34.1	
$500,000–$999,999	29	41	19,729	27,541	15,799	21,270	7,527	9,876	258,255	240,714	38.2	35.9
$1,000,000 or more	15	17	34,687	40,100	27,939	32,067	14,121	15,728	954,091	910,931	40.8	39.3

X Not applicable. [1] Consists of income tax after credit, alternative minimum tax, and minimum tax. [2] For many taxpayers in this size class includes additional tax for tax preferences not included in "taxable income."

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987.

No. 490. Individual Income Tax Returns—Itemized Deductions and Statutory Adjustments, by Size of Adjusted Gross Income: 1985

Item	Unit	Adjusted gross income class							
		Total	Under $10,000	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Returns with itemized deductions	1,000	39,848	2,303	6,134	8,576	9,078	6,006	6,566	1,184
Medical and dental expenses:									
Returns	1,000	10,777	1,249	3,308	2,722	1,827	675	738	58
Amount	Bil. dol	22.9	3.9	7.1	4.4	3.0	1.5	2.4	0
Average deduction	Dollars	2,127	3,091	2,141	1,599	1,652	1,740	3,319	11,117
Taxes paid: Returns, total	1,000	39,548	2,107	6,075	6,555	9,067	6,003	6,565	1,177
State and local income taxes	1,000	32,563	1,132	4,657	7,246	7,758	5,152	5,615	1,004
Real estate taxes	1,000	32,110	1,256	4,503	6,496	7,401	5,320	6,024	1,110
Amount, total	Bil. dol	128.1	2.1	8.6	17.0	24.5	20.9	33.6	21.0
State and local income taxes	Bil. dol	66.2	.4	2.7	7.5	11.9	10.5	18.2	15.0
Real estate taxes	Bil. dol	36.0	1.2	3.7	5.2	6.9	5.6	9.2	3.9
Average deduction	Dollars	3,239	988	1,445	1,993	2,697	3,483	5,150	17,849
Interest paid: Returns	1,000	36,287	1,391	5,354	6,034	8,606	5,689	6,150	1,063
Home mortgages	1,000	28,052	936	3,646	5,851	6,761	4,792	5,216	850
Amount	Bil. dol	115.0	2.4	10.0	18.7	23.7	20.4	30.4	9.4
Average deduction	Dollars	4,101	2,564	2,747	3,192	3,509	4,262	5,822	11,088
Amount	Bil. dol	180.1	4.0	15.4	27.7	35.7	30.1	45.7	21.5
Average deduction per return	Dollars	4,963	2,849	2,674	3,454	4,150	5,267	7,427	20,255
Contributions:									
Returns	1,000	36,162	1,547	5,298	7,699	8,400	5,712	6,350	1,157
Amount	Bil. dol	48.0	9	4.2	6.2	7.5	6.3	11.2	11.7
Average deduction	Dollars	1,326	580	799	805	894	1,105	1,757	10,075
Returns with statutory adjustments: [1] **Returns**	1,000	37,763	2,244	6,568	8,581	8,131	5,438	5,851	951
Amount of adjustments	Bil. dol	95.1	3.3	9.2	14.5	17.5	15.4	26.9	8.2
Average deduction	Dollars	2,518	1,450	1,401	1,695	2,158	2,832	4,600	8,641
Payments to individual retirement arrangements: Returns	1,000	16,206	650	2,057	3,074	3,173	2,574	3,847	832
Amount	Bil. dol	38.2	1.1	3.6	6.1	6.9	6.6	11.4	2.6
Average deduction	Dollars	2,358	1,660	1,754	1,970	2,190	2,546	2,954	3,129
Payments to Keogh: Returns	1,000	676	26	36	63	86	87	238	139
Amount	Bil. dol	5.2	.1	.1	.2	.3	.4	2.0	2.2
Average deduction	Dollars	7,668	3,222	3,067	2,880	3,220	4,161	8,456	15,600

[1] Also includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1985*.

Digitized by Google

NO. 491. FEDERAL INDIVIDUAL INCOME TAX—EFFECTIVE (AVERAGE) AND MARGINAL TAX RATES, FOR SELECTED INCOME GROUPS: 1954 TO 1985

[Refers to income after exclusions. Effective rate represents tax liability divided by stated income. The marginal tax rate is the percentage of the first additional dollar of income which would be paid in income tax. Computations assume the low income allowance, standard deduction, zero bracket amount, or itemized deductions equal to 10 percent of adjusted gross income, whichever is greatest. Excludes self-employment tax. See *Historical Statistics, Colonial Times to 1970*, series Y 412–439, for similar data based on net income]

ADJUSTED GROSS INCOME [1]	TAX LIABILITY							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985	1954–1963	1965	1970 [2]	1975	1979–1980 [3]	1984	1985
CURRENT DOLLARS																					
Single person, no dependents:																					
$5,000	818	671	683	404	250	193	177	16.4	13.4	13.7	8.1	5.0	3.9	3.5	22	19	19.5	19	16	12	12
$10,000	2,096	1,742	1,726	1,476	1,177	915	888	21.0	17.4	17.3	14.8	11.8	9.2	8.9	34	28	25.6	20.2	21	16	16
$20,000	5,900	4,918	4,405	4,123	3,837	2,945	2,845	29.5	24.6	22.0	20.6	19.2	14.7	14.3	50	42	34.8	34	34	26	26
$25,000	8,324	6,962	6,091	5,865	5,484	4,205	4,125	33.3	27.9	24.4	23.5	21.9	16.8	16.5	56	48	39.0	38	39	30	26
$35,000	13,778	11,627	10,028	9,698	9,194	7,065	6,916	39.4	33.2	28.7	27.7	26.3	20.2	19.8	62	53	46.1	45	44	34	34
$50,000	22,788	19,230	17,235	16,710	16,032	12,335	12,067	45.6	38.5	34.5	33.4	32.1	24.7	24.1	72	60	61.5	60	55	42	42
$75,000	39,702	33,206	31,560	30,680	29,487	22,595	22,195	52.9	44.3	42.1	40.9	39.3	30.1	29.6	78	64	65.6	64	63	48	48
Married couple, 2 dependents: [4]																					
$5,000	420	290	290	[5] – 300	[5] – 500	[5] – 500	[5] – 550	8.4	5.8	5.8	[5] 6.0	[5] – 10.0	[5] – 10.0	[5] – 11.0	20	15	15	[5] 10	–	–	–
$10,000	1,372	1,114	1,112	709	374	291	[5] 132	13.7	11.1	11.2	7.1	3.7	2.9	[5] 1.3	22	19	19.5	19	16	12	[5] 24.2
$20,000	3,800	3,160	3,213	2,740	2,265	1,741	1,682	19.0	15.8	16.1	13.7	11.3	8.7	8.4	30	25	25.6	25	24	18	16
$25,000	5,318	4,412	4,490	4,092	3,497	2,673	2,566	21.3	17.6	18.0	16.4	14.0	10.7	10.3	38	32	28.7	28	28	22	18
$35,000	9,037	7,529	7,677	7,175	6,571	5,070	4,916	25.8	21.5	21.9	20.5	18.8	14.5	14.0	47	39	40.0	39	37	28	25
$50,000	15,976	13,388	13,674	12,980	12,118	9,310	9,086	32.0	26.8	27.3	26.0	24.2	18.6	18.2	56	48	49.2	48	43	33	33
$75,000	29,635	25,025	25,594	24,575	23,404	16,066	17,649	39.5	33.4	34.1	32.6	31.2	24.1	23.5	65	55	56.4	55	54	42	42
	CURRENT INCOME EQUIVALENT TO CONSTANT INCOME							EFFECTIVE RATE (percent)							MARGINAL TAX RATE (percent)						
	1960	1970	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985	1960	1970 [2]	1975	1979	1980	1984	1985
CONSTANT (1960) DOLLARS [6]																					
Single person, no dependents:																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	8,353	12.0	7.5	4.0	3.9	5.0	5.6	5.6	20	16.6	16	16	16	14	14
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	15.5	13.8	11.4	10.9	11.8	10.5	10.5	22	21.5	21	19	21	16	18
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	19.3	17.0	16.7	17.9	19.2	16.7	16.6	30	25.6	22.7	30	34	26	26
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	21.0	18.7	19.0	20.9	21.9	16.6	18.7	34	27.7	31	34	39	34	30
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	24.4	21.1	23.2	24.9	26.3	22.7	22.6	43	31.8	38	44	44	36	36
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	29.6	24.6	27.7	30.0	32.1	27.3	27.1	50	41.0	45	55	55	48	48
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	36.7	30.2	34.4	37.5	39.1	32.6	32.5	62	51.2	60	63	63	50	50
Married couple, 2 dependents: [4]																					
$5,000	2,010	2,585	3,499	4,536	5,000	6,160	6,353	–	–	[5] – 10	[5] – 10	[5] – 10	[5] – 7.8	[5] – 6.7	..	–	[5] – 10	[5] – 10	–	[5] 12.5	..
$10,000	4,019	5,170	6,998	9,902	10,000	12,320	12,705	6.1	5.8	[5] 1.2	[5] 1.4	3.7	4.7	4.7	20	16.6	[5] 26	[5] 26.5	16	14	14
$20,000	8,038	10,341	13,997	18,144	20,000	24,639	25,411	12.2	11.4	10.2	10.3	11.3	10.5	10.4	22	19.5	18.5	21	24	22	22
$25,000	10,048	12,926	17,496	22,680	25,000	30,799	31,764	13.7	12.9	12.1	12.8	14.0	13.0	12.9	22	22.6	28	24	25	25	25
$35,000	14,067	18,097	24,494	31,752	35,000	43,119	44,469	16.1	15.3	16.1	17.4	18.8	16.9	16.7	26	25.6	28	32	37	33	33
$50,000	20,095	25,852	34,992	45,361	50,000	61,599	63,527	19.0	18.3	20.5	22.8	24.2	21.4	21.3	30	32.8	39	43	44	38	36
$75,000	30,143	38,779	52,487	68,041	75,000	92,398	95,291	23.6	23.3	26.6	29.4	31.2	26.7	26.6	43	43.0	50	54	54	42	42

– Represents zero. [1] See headnote, table 486. [2] Includes tax surcharge. [3] 1981 tax liability and tax rates are 98.75 percent of the 1980 rates. [4] Only one spouse is assumed to work. [5] Refundable earned income credit. [6] Amount of adjusted gross income equivalent to adjusted gross income in 1980 dollars was calculated by using the NIPA personal consumption expenditure deflator (1972 = 100). The values of the deflators are: 1960, 71.9; 1970, 92.5; 1975, 125.3; 1979, 162.3; 1980, 176.9; 1984, 220.4; and 1985, 227.3 (estimated).

Source: U.S. Dept. of the Treasury, unpublished data.

Digitized by Google

No. 492. Federal Individual Income Tax Returns—Adjusted Gross Income, by Source of Income and Income Class for Taxable Returns: 1985

[In billions of dollars, except percent. Minus sign (−) indicates net loss was greater than net income. See headnote, table 488]

ITEM	Total [1]	Under $10,000 [1]	$10,000 to $19,999	$20,000 to $29,999	$30,000 to $39,999	$40,000 to $49,999	$50,000 to $99,999	$100,000 and over
Number of returns (1,000)	82,846	15,879	24,458	16,210	11,544	6,678	6,876	1,202
SOURCE OF INCOME								
Adjusted gross income (AGI)	2,259.0	106.4	360.9	399.9	399.8	269.9	440.0	255.1
Salaries	1,853.9	82.8	292.3	349.5	359.6	257.1	366.4	136.1
Percent of AGI	82.1	77.8	81.0	87.4	89.9	90.0	83.3	53.4
Interest received	167.7	14.5	32.7	25.0	20.6	16.4	32.4	26.1
Dividends in AGI	52.5	1.7	5.5	4.7	4.8	3.6	11.5	20.5
Business and profession, net	77.9	2.3	9.7	11.0	9.5	8.7	22.7	14.0
Pensions and annuities [2]	89.7	6.8	23.8	18.2	13.7	9.2	14.4	3.5
Sales of capital assets, [3] net	65.6	2.2	1.7	2.5	3.1	3.1	11.5	41.8
Rents and royalties, net	7.6	−.4	−1.7	−2.3	−1.8	−3.2	−.2	2.4
Other sources, [4] net	−40.9	−3.5	−4.4	−9.3	−9.2	−9.4	−15.7	10.7
PERCENT OF ALL RETURNS								
Number of returns	81.5	15.6	24.1	15.9	11.4	6.6	6.8	1.2
Adjusted gross income	98.0	4.6	15.6	17.3	17.3	12.9	19.1	11.1
Salaries	96.1	4.3	15.2	18.1	18.7	13.9	19.0	7.1
Interest received	92.1	7.9	18.0	13.7	11.3	9.0	17.8	14.3
Dividends in AGI	95.4	3.2	10.1	8.5	8.8	6.6	20.9	37.3
Business and profession, net	98.8	2.9	12.3	14.0	12.0	11.1	28.8	17.7
Pensions and annuities [2]	94.4	7.2	25.1	19.1	14.5	9.7	15.1	3.7
Sales of capital assets, [3] net	94.3	3.2	2.5	3.5	4.5	4.4	16.4	59.9

[1] Includes a small number of taxable returns with no adjusted gross income. [2] Taxable portion. [3] Includes net sales of property other than capital assets ($1.5 billion in 1985). [4] Includes statutory adjustments of $95.1 billion in 1985.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1985.*

No. 493. Federal Individual Income Tax Returns, Income, and Taxes, 1970 to 1985, and by State, 1985

YEAR, DIVISION AND STATE	Number of returns (1,000)	ADJUSTED GROSS INCOME (AGI) [1]		INCOME TAX	
		Total (mil. dol.)	Per capita [2] (dol.)	Total [3] (mil. dol.)	Per capita [2] (dol.)
1970	74,278	631,626	3,096	82,880	406
1975	82,229	947,785	4,399	124,526	578
1979	92,694	1,465,395	6,525	214,495	955
1980	93,902	1,613,731	7,180	250,341	1,102
1981	95,396	1,772,604	7,719	284,129	1,237
1982	95,337	1,852,135	7,983	227,597	1,197
1983	99,419	2,134,030	9,109	314,564	1,343
1984	99,439	2,139,904	9,049	301,923	1,277
1985	**102,037**	**2,289,333**	**9,589**	**336,638**	**1,410**
N. Eng.:					
ME	497	9,401	8,070	1,213	1,041
NH	482	11,270	11,281	1,723	1,725
VT	231	4,521	8,450	600	1,121
MA	2,763	67,079	11,528	10,438	1,794
RI	438	9,247	9,563	1,282	1,326
CT	1,564	42,424	13,379	7,237	2,282
Mid. Atl.:					
NY	7,599	191,010	10,764	29,146	1,642
NJ	3,761	97,712	12,923	15,651	2,070
PA	5,080	108,640	9,158	15,780	1,330
E.N.C.:					
OH	4,522	98,759	9,189	13,847	1,288
IN	2,269	47,848	8,700	6,783	1,233
IL	4,898	114,930	9,962	17,977	1,558
MI	3,811	90,454	9,953	13,183	1,451
WI	2,017	41,796	8,751	5,493	1,150
W.N.C.:					
MN	1,807	39,845	9,505	5,348	1,276
IA	1,158	21,650	7,515	2,953	1,025
MO	2,093	44,583	8,855	6,553	1,301
ND	278	5,012	7,317	704	1,028
SD	283	4,412	6,232	604	853
NE	672	12,664	7,890	1,776	1,107
KS	1,029	22,210	9,069	3,283	1,341

DIVISION AND STATE	Number of returns (1,000)	ADJUSTED GROSS INCOME (AGI) [1]		INCOME TAX	
		Total (mil. dol.)	Per capita [2] (dol.)	Total [3] (mil. dol.)	Per capita [2] (dol.)
S.A.:					
DE	284	6,656	10,701	964	1,550
MD	2,071	52,205	11,884	7,592	1,728
D	324	7,678	12,324	1,239	1,989
VA	2,502	59,423	10,421	8,503	1,491
WV	664	13,111	6,769	1,745	901
NC	2,632	52,274	8,348	6,826	1,090
SC	1,312	25,492	7,644	3,204	961
GA	2,467	53,219	8,907	7,449	1,247
FL	5,113	110,593	9,732	17,310	1,523
E.S.C.:					
KY	1,366	26,245	7,038	3,554	953
TN	1,916	37,621	7,892	5,292	1,110
AL	1,502	29,793	7,408	3,957	984
MS	912	15,706	6,008	1,976	756
W.S.C.:					
AR	869	15,672	6,641	2,027	859
LA	1,651	33,776	7,529	4,940	1,101
OK	1,270	26,730	8,085	3,893	1,178
TX	6,674	152,849	9,326	24,966	1,523
Mt.:					
MT	336	5,699	6,908	770	933
ID	368	6,778	6,751	869	866
WY	207	4,451	10,727	660	1,333
CO	1,430	32,669	10,102	4,672	1,445
NM	592	11,286	7,778	1,507	1,039
AZ	1,346	29,175	9,137	3,972	1,244
UT	595	12,528	7,616	1,485	903
NV	447	9,921	10,588	1,554	1,658
Pac.:					
WA	1,905	42,365	9,611	6,151	1,395
OR	1,126	22,582	8,407	2,942	1,095
CA	11,691	285,100	10,816	41,509	1,575
AK	239	6,709	12,852	1,125	2,155
HI	471	9,966	9,482	1,303	1,240
Other [4]	501	5,593	(NA)	1,090	(NA)

NA Not available. [1] Less deficit. [2] Based on resident population as of July 1. [3] Includes additional tax for tax preferences, self-employment tax, and recomputed prior-year taxes. [4] Returns with addresses outside the United States.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1987.

Digitized by Google

No. 494. Federal Civilian Employment and Annual Payroll, by Branch: 1970 to 1986

[Annual employment: **For fiscal year ending in year shown;** see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970*, series Y 306–317]

YEAR	EMPLOYMENT						PAYROLL				
	Total [1] (1,000)	Percent of U.S. employed [2]	Executive		Legislative (1,000)	Judicial (1,000)	Total [1] (mil. dol.)	Executive		Legislative (mil. dol.)	Judicial (mil. dol.)
			Total [1] (1,000)	Defense (1,000)				Total [1] (mil. dol.)	Defense (mil. dol.)		
1970	[3] 2,926	3.7	[3] 2,891	1,195	30	7	[3] 28,562	[3] 28,117	11,352	353	92
1975	2,882	3.4	2,834	1,036	37	10	40,699	39,944	14,356	589	166
1978	2,875	3.0	2,822	987	40	13	49,921	48,899	16,995	771	251
1979	2,897	2.9	2,844	970	40	13	53,590	52,513	16,065	817	260
1980	[4] 2,987	3.0	[4] 2,933	972	40	14	[4] 58,012	[4] 56,841	19,234	863	288
1981	2,910	2.9	2,855	986	40	15	63,792	62,510	21,227	922	360
1982	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	398
1983	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984	2,935	2.8	2,879	1,052	40	17	74,537	73,005	25,253	1,081	451
1985	3,001	2.8	2,944	1,080	39	16	80,445	78,840	28,219	1,097	509
1986	3,047	2.6	2,990	1,088	38	19	82,554	80,896	29,224	1,114	545

[1] Includes Postal Service Christmas help. [2] Civilian only. See table 607. [3] Includes 33,000 temporary census workers. [4] Includes 4,975 temporary census workers.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*; and unpublished data.

No. 495. Federal Civilian Employment—Summary: 1970 to 1986

[**In thousands.** As of **Dec. 31.** Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES								WASHINGTON, DC [1]				
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1984	1985	1986
Paid employment	**2,645**	**2,741**	**2,772**	**2,733**	**2,754**	**2,824**	**2,902**	**2,895**	**316**	**366**	**352**	**353**	**344**
Male	1,931	1,896	1,790	1,776	1,680	1,694	1,769	1,765	180	202	190	191	186
Female	714	845	982	957	1,074	1,130	1,133	1,130	136	164	162	162	158
Full-time	2,516	2,496	2,504	2,482	2,497	2,537	2,589	2,575	308	342	333	335	327
Other	129	245	268	251	257	287	313	320	8	24	19	16	17
Competitive service [2]	2,393	1,714	1,692	1,676	1,685	1,698	1,710	1,676	262	258	246	246	239
Temporary [3]	112	60	70	67	70	66	82	72	11	11	10	11	9
Excepted and Senior Executive Services (SES) [2] [4]	252	1,027	1,080	1,057	1,069	1,126	1,191	1,217	54	107	106	108	105
Permanent	164	863	917	914	926	968	1,015	1,035	38	70	72	73	73
Other	88	164	163	143	143	158	176	162	16	37	34	35	32
White-collar [5]	2,113	2,255	2,314	2,289	2,319	2,393	2,289	2,284	278	334	325	321	313
Blue-collar [5]	532	486	458	444	435	431	612	611	38	32	27	32	31

[1] Through June 30, 1983, represents SMSA; thereafter, MSA. [2] In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. [3] Includes "indefinite." [4] Excepted from competitive requirements of Civil Service Act. Prior to 1980 SES was not included in total. [5] Through 1982, based on full-time employment; beginning 1983, based on total workforce.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*; and unpublished data.

No. 496. Accessions to and Separations From Paid Civilian Employment in the Federal Government: 1970 to 1987

[**In thousands, except rate. For fiscal year ending in year shown;** see text, section 9. Includes accessions and separations of part-time and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, DC [1]				
	1970	1975	1980	1984	1985	1986	1987, Oct.–Feb.	1980	1984	1985	1986	1987, Oct.–Feb.
Accessions, total	727.0	564.2	995.2	574.0	692.1	598.7	250.1	94.1	63.6	62.4	57.5	22.0
Monthly rate [2]	2.2	1.7	2.9	1.7	2.0	1.7	1.6	2.3	1.6	1.6	1.4	1.4
Separations, total	796.7	568.9	1,004.0	521.8	585.6	557.5	217.4	89.2	58.8	57.6	58.7	19.7
Monthly rate [2]	2.4	1.8	3.0	1.6	1.7	1.6	1.5	2.2	1.5	1.5	1.4	1.2
Quit [3]	334.4	212.9	227.7	195.8	238.6	208.7	71.2	32.9	24.6	25.2	26.2	79.7

[1] See footnote 1, table 495. [2] Per 100 employees. [3] Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*.

Digitized by Google

No. 497. Paid Civilian Employment in the Federal Government 1960 to 1986, and by State, 1986

[As of **December 31.** Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency]

YEAR, DIVISION, AND STATE	Total (1,000)	Percent defense	Rate per 10,000 population [1]	DIVISION AND STATE	Total (1,000)	Percent defense	Rate per 10,000 population [1]
1960	2,213	42.1	123.4	**South Atlantic**—Con.			
1970	2,665	37.8	131.1	District of Columbia	206	8.3	3,290.7
1980	2,659	32.2	117.4	Virginia	156	67.9	269.6
1982	2,734	34.3	117.8	West Virginia	15	13.3	78.2
1984	2,771	34.3	117.2	North Carolina	45	35.6	71.1
1986, total [2]	**2,862**	**33.8**	**118.7**	South Carolina	32	62.5	94.8
New England	**121**	**28.1**	**95.0**	Georgia	86	46.5	140.9
Maine	17	58.8	144.9	Florida	101	31.7	86.5
New Hampshire	7	28.6	68.2	**East South Central**	**174**	**33.9**	**114.4**
Vermont	5	20.0	92.4	Kentucky	33	42.4	88.5
Massachusetts	59	20.3	101.2	Tennessee	58	12.1	120.8
Rhode Island	10	40.0	102.6	Alabama	59	45.8	145.6
Connecticut	23	21.7	72.1	Mississippi	24	45.8	91.4
Middle Atlantic	**361**	**28.0**	**96.8**	**West South Central**	**272**	**38.6**	**101.3**
New York	156	12.8	87.8	Arkansas	19	26.3	80.1
New Jersey	74	36.5	97.1	Louisiana	33	27.3	73.3
Pennsylvania	131	41.2	110.2	Oklahoma	48	54.2	145.2
East North Central	**319**	**27.3**	**76.4**	Texas	172	37.8	103.1
Ohio	90	37.8	83.7	**Mountain**	**187**	**32.8**	**143.8**
Indiana	41	36.6	74.5	Montana	11	9.1	134.3
Illinois	104	21.2	90.6	Idaho	10	10.0	99.5
Michigan	57	22.8	62.3	Wyoming	6	16.7	118.3
Wisconsin	27	11.1	56.4	Colorado	52	28.8	159.2
West North Central	**172**	**22.7**	**97.9**	New Mexico	26	38.5	175.8
Minnesota	31	9.7	73.6	Arizona	36	30.6	108.5
Iowa	18	5.6	63.1	Utah	36	55.6	216.2
Missouri	67	31.3	132.3	Nevada	10	20.0	103.8
North Dakota	8	25.0	117.8	**Pacific**	**445**	**43.1**	**124.5**
South Dakota	9	11.1	127.1	Washington	63	46.0	141.2
Nebraska	15	26.7	93.9	Oregon	27	11.1	100.1
Kansas	24	29.2	97.6	California	314	42.7	116.4
South Atlantic	**775**	**35.7**	**189.4**	Alaska	14	35.7	262.2
Delaware	5	40.0	79.0	Hawaii	27	77.8	254.2
Maryland	129	32.6	269.0				

[1] For 1960–1980, based on April 1 population; other years based on July 1 resident population. [2] Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area.*

No. 498. Paid Full-Time Civilian Employment in the Federal Government, All Areas: 1975 to 1986

[As of **March 31.** Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318–331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)					
	1975	1980	1983	1984	1985	1986	1975	1980	1983	1984	1985	1986
Total	**2,575**	**2,507**	**2,499**	**2,520**	**2,590**	**2,616**	**13,529**	**17,758**	**24,074**	**25,211**	**26,139**	**26,360**
General schedule	1,349	1,402	1,393	1,407	1,450	1,462	14,483	17,299	24,178	25,262	26,186	26,274
Wage system	528	456	430	420	418	409	11,197	17,644	21,500	22,393	23,288	23,637
Postal pay system [1]	559	536	547	561	586	606	13,242	20,076	24,612	25,504	26,559	26,744
Other	139	113	129	132	136	139	13,951	20,344	31,544	33,453	34,413	34,814

[1] Source: U.S. Postal Service, *National Payroll Hours*, 1986.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

No. 499. Federal General Schedule Employee Pay Increases: 1965 to 1987

[Percent change from prior year shown, except 1965, change from 1964. Represents legislated pay increases. For some years data based on range, for details see source]

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965	3.6	Oct. 1, 1972	5.1	Oct. 1, 1980	9.1
July 1, 1966	2.9	Oct. 1, 1973	4.8	Oct. 1, 1981	4.8
Oct. 1, 1967	4.5	Oct. 1, 1974	5.5	Oct. 1, 1982	4.0
July 1, 1968	4.9	Oct. 1, 1975	5.0	Jan. 1, 1984	4.0
July 1, 1969	9.1	Oct. 1, 1976	5.2	Jan. 1, 1985	3.5
Dec. 27, 1969	6.0	Oct. 1, 1977	7.0	Jan. 1, 1986	-
Jan. 1, 1971	6.0	Oct. 1, 1978	5.5	Jan. 1, 1987	3.0
Jan. 1, 1972	5.5	Oct. 1, 1979	7.0		

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

Digitized by Google

No. 500. White-Collar Civilian Employment in the Federal Government, by Sex and Grade: 1970 to 1985

[Represents full-time white-collar employment. As of Oct. 31]

GRADE [1]	TOTAL (1,000)					PERCENT FEMALE				
	1970	1980	1981	1983 [2]	1985 [2]	1970	1980	1981	1983 [2]	1985 [2]
Total employment	1,885	2,006	2,025	2,039	2,156	33.1	38.8	[3] 45.6	[3] 46.2	[3] 47.4
General Schedule and equivalent pay system	1,259	1,473	1,481	1,484	1,561	40.3	45.1	45.9	46.5	47.7
Grades 1–6 ($9,339–$20,855)	521	561	563	541	563	72.2	74.1	74.1	74.6	74.5
Grades 7–10 ($17,824–$31,211)	302	357	359	360	377	33.4	46.3	47.6	48.8	50.3
Grades 11–12 ($26,381–$41,105)	264	335	343	362	398	9.5	19.3	20.8	24.2	27.5
Grades 13–15 ($37,599–$67,940)	164	217	215	220	231	3.0	8.2	9.2	10.3	12.1
Grades 16–18 ($61,296–$84,157) [4]	8	3	1	1	1	1.4	4.4	6.4	5.8	6.1
Postal pay system [5]	521	504	512	516	553	(NA)	26.8	28.3	30.4	33.2
Other pay system	105	29	32	39	42	45.7	35.5	33.3	36.1	37.0

NA Not available. [1] Pay ranges shown for General Schedule grades are as of January 1, 1985. [2] Data for 1982 and 1984 not collected. [3] Excludes U.S. Postal Service, and other systems not shown separately. [4] Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service. [5] Source: U.S. Postal Service, *National Payroll Hours, 1986*.

Source: Except as noted, U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

No. 501. Paid Civilian Employment in the Federal Government, by Agency: 1970 to 1986

[As of **end of fiscal year**; see text, section 9. See headnote, table 494. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308–317]

AGENCY	1970	1975	1980	1982	1983	1984	1985	1986
All agencies	**2,921,909**	**2,896,944**	**2,875,866**	**2,824,768**	**2,876,263**	**2,934,255**	**3,020,531**	[1] **3,022,189**
Legislative branch	30,715	38,531	39,710	38,791	39,143	38,832	38,764	36,490
Judicial branch	6,887	10,399	15,178	15,992	16,626	17,247	18,225	18,966
Executive branch [2]	2,884,307	2,848,014	2,820,978	2,770,285	2,820,494	2,878,176	2,963,542	2,966,773
Executive Office of the President	4,742	1,918	1,886	1,595	1,621	1,595	1,526	1,492
Executive departments	1,812,572	1,736,872	1,716,970	1,691,337	1,739,153	1,753,336	1,789,270	1,761,644
Agriculture	116,012	120,999	129,139	121,175	123,987	116,809	117,750	113,147
Commerce	[3] 57,674	36,228	[3] 48,563	34,451	35,576	35,271	35,150	34,397
Census Bureau	(NA)	(NA)	[3] 19,925	7,898	8,461	8,270	8,633	8,539
Defense	1,193,784	1,041,829	960,116	989,633	1,026,461	1,043,784	1,084,549	1,067,974
Education [4]	(x)	(x)	7,364	5,692	5,268	5,343	4,889	4,554
Energy [5]	(x)	(x)	21,557	17,945	17,229	16,976	16,749	16,657
Health and Human Services [6]	108,044	147,125	155,662	147,791	147,162	144,240	140,151	133,842
Social Security Admin.	(NA)	(NA)	84,272	74,903	86,052	84,932	82,967	77,823
Housing and Urban Development [4]	15,190	17,161	16,964	14,279	12,996	12,393	12,289	11,843
Interior	73,361	80,198	77,357	78,869	79,582	78,661	77,485	73,980
Justice	39,257	51,541	56,327	57,094	58,869	61,398	64,433	65,529
Labor	10,991	14,834	23,400	19,248	19,083	18,320	18,260	17,487
State	39,753	30,376	23,497	24,120	23,961	24,706	25,254	25,325
Transportation	65,985	75,035	72,361	62,392	62,959	62,781	62,227	61,261
Treasury	92,521	121,546	124,663	118,648	126,020	130,654	130,084	135,628
Internal Revenue Service	(NA)	(NA)	85,981	83,835	89,657	94,642	94,998	100,480
Independent agencies: [7]								
Environmental Protection Agency	(x)	10,772	14,715	12,273	11,931	13,048	13,786	14,021
National Aeronautics and Space Administration	32,548	26,447	23,714	22,563	22,784	22,085	22,562	22,244
Office of Personnel Management [8]	5,508	8,157	6,280	6,563	6,369	6,553	6,353	5,929
Railroad Retirement Board	1,734	1,961	1,795	1,558	1,565	1,578	1,581	1,601
Small Business Administration	4,269	4,796	5,804	4,975	5,100	5,093	4,960	4,908
Tennessee Valley Authority	22,244	28,423	51,714	39,900	37,181	33,589	32,035	30,564
Veterans Administration	166,719	213,143	228,285	235,982	238,739	239,923	247,156	240,423

NA Not available. X Not applicable. [1] Excludes agencies not shown separately. [2] Includes other agencies not shown separately. [3] Includes 24,278 enumerators in 1970 census, and 4,975 enumerators in the 1980 census. [4] Dept. of Education established Sept. 1979; formerly included with Health and Human Services. [5] Dept. of Energy established Oct. 1, 1977. [6] Includes Housing and Home Finance Agency. [7] See table 502 for a more complete list of independent agencies. [8] Formerly Civil Service Commission.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Work Force Statistics*.

Digitized by Google

No. 502. Paid Civilian Employment in the Federal Government, by Agency, All Areas, Summary: 1980 and 1986

[As of **Sept. 30.** See headnote, table 498. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

AGENCY	1980	1986
All agencies	2,875,866	[1] 3,022,189
Percent Dept. of Defense	33.4	35.3
Percent Postal Service	23.0	26.2
Legislative branch	39,710	36,490
Congress	19,096	[2] 18,368
United States Senate	7,195	6,953
U.S. House of Representatives	11,901	11,403
Architect of the Capitol	2,168	2,065
General Accounting Office	5,488	5,162
Government Printing Office	6,767	5,264
Library of Congress	5,527	4,809
All other	664	822
Judicial branch	15,178	18,966
United States Courts	14,847	18,639
Supreme Court	331	327
Executive branch [3]	2,820,978	2,966,773
Executive Office of the President	1,886	1,492
White House Office	406	358
Office of Management and Budget	616	535
Council of Economic Advisers	35	32
Council on Environmental Quality	49	9
National Security Council	69	65
All other	711	493
Executive departments	1,716,970	1,761,644
Agriculture	129,139	113,147
Commerce	48,563	34,397
Census	19,925	8,539
Defense	960,116	1,067,974
Education	7,364	4,554
Energy	21,557	16,657
Health and Human Services	155,662	133,842
Housing and Urban Development [4]	16,964	11,843
Interior	77,357	73,980
Justice	56,327	65,529
Labor	23,400	17,487
State	23,497	25,325
Transportation	72,361	61,281
Treasury	124,663	135,626
Independent agencies	1,101,089	1,203,597
ACTION [5]	1,837	463
Board of Governors, Federal Reserve System	1,498	1,520
Environmental Protection Agency	14,715	14,021
Equal Employment Opportunity Commission	3,515	3,095
Farm Credit Administration	271	517
Federal Communications Comm	2,244	1,806
Federal Deposit Insurance Corp	3,520	8,708
Federal Emergency Mgmt. Agency	3,427	2,526
Federal Home Loan Bank Board	1,470	812
Federal Trade Commission	1,846	1,079
General Services Administration	37,654	23,057
International Trade Commission	424	496
Interstate Commerce Commission	1,998	745
Merit System Protection Board	435	394
National Aeronautics and Space Administration	23,714	22,244
Natl Archives and Records Administration [6]	(x)	3,164
National Credit Union Administration	726	667
National Labor Relations Board	2,936	2,324
National Science Foundation	1,394	1,180
Nuclear Regulatory Commission	3,283	3,521
Office of Personnel Management	8,280	5,929
Panama Canal Commission	8,700	8,350
Peace Corps [5]	(x)	1,023
Pension Benefit Guaranty Corp	463	483
Railroad Retirement Board	1,795	1,501
Securities and Exchange Comm.	2,056	1,934
Selective Service System	97	296
Small Business Administration	5,804	4,906
Smithsonian Institution	4,403	4,795
Soldiers' and Airmen's Home	994	1,056
Tennessee Valley Authority	51,714	30,564
U.S. Information Agency	8,138	9,078
U.S. International Development Cooperation Agency	6,152	4,799
U.S. Postal Service	660,014	790,960
Veterans Administration	228,285	240,423
All other	7,287	5,101

[1] Excludes agencies not shown separately. [2] Includes Commission on Security and Cooperation in Europe, not shown separately. [3] Includes agencies not shown separately. [4] Includes Housing and Home Finance Agency. [5] Peace Corps was part of ACTION in 1980; Peace Corps re-established Dec. 29, 1981. [6] Agency became independent from General Services Administration in 1985.

Source: U.S. Office of Personnel Management, *Monthly Release of Federal Civilian Workforce Statistics*.

No. 503. Federal Government Employment, by Race and Hispanic Origin, and by Pay System: 1982 and 1985

[As of **Sept. 30.** Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982					1985, est.				
	Total employees (1,000)	Minority groups				Total employees (1,000)	Minority groups			
		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)		Total [1] (1,000)	Percent of total	Black, non-Hispanic (1,000)	Hispanic (1,000)
All pay systems, total [2]	**2,006.6**	**484.0**	**24.1**	**311.1**	**90.0**	**2,087.7**	**534.5**	**25.6**	**338.4**	**102.4**
General schedule and equivalent [3]	1,508.3	336.2	22.3	222.0	59.0	1,578.7	382.1	24.2	248.7	69.2
GS 1-4 ($9,339-$16,723)	303.6	101.9	33.6	71.0	16.1	299.3	111.5	37.3	78.4	18.0
GS 5-8 ($14,390-$25,662)	464.9	126.5	27.2	90.2	20.2	486.6	142.3	29.2	98.9	23.9
GS 9-12 ($21,804-$41,105)	530.0	87.6	16.5	50.1	18.7	572.7	104.9	18.3	59.3	22.7
GS 13-15 ($37,599-$67,940)	209.8	20.1	9.6	10.7	4.0	220.0	23.3	10.6	12.1	4.6
Executive, total	7.8	.6	7.2	.3	.1	7.7	.5	6.5	.3	.1
Wage systems	414.0	134.6	32.5	83.5	28.0	422.6	139.5	33.0	84.5	30.2
Other pay systems [4]	69.3	10.1	14.6	3.7	2.3	75.3	11.2	14.9	4.1	2.7

[1] Includes American Indians, Alaska natives, Asians, and Pacific Islanders, not shown separately. [2] Due to the inclusion of unspecified employee records, the pay systems listed do not add to the total. [3] Pay rates as of January 1985 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. [4] Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, *1982 Affirmative Employment Statistics*, biennial, and unpublished data.

Digitized by Google

No. 504. Federal Land and Buildings Owned and Leased: 1960 to 1985

[For fiscal years ending in year shown; see text, section 9. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately. For data on Federal land by State, see table 322]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1982	1983	1984	1985
Federally owned:									
Land, total	Mil. acres	772	762	761	720	730	732	727	727
Dept. of Agriculture	Mil. acres	186	187	188	184	193	193	189	189
Dept. of Defense	Mil. acres	30	31	31	30	23	29	24	29
Dept. of the Interior	Mil. acres	553	540	538	502	511	507	500	500
Buildings, number [1]	1,000	413	418	405	403	387	418	438	454
Dept. of Defense [1]	1,000	320	319	312	301	292	321	323	354
Dept. of the Interior	1,000	31	34	30	34	35	37	36	37
Buildings, floor area [1]	Mil. sq. ft	2,445	2,542	2,502	2,522	2,467	2,609	2,725	2,860
Dept. of Defense [1]	Mil. sq. ft	1,929	1,857	1,802	1,777	1,707	1,838	1,929	2,065
General Services Administration	Mil. sq. ft	122	205	194	202	199	199	204	207
Dept. of the Interior	Mil. sq. ft	42	61	58	65	69	72	71	71
Veterans Administration	Mil. sq. ft	115	110	111	116	117	119	117	118
Cost of land, buildings, etc. [2]	Bil. dol	53	79	91	107	117	132	147	148
Dept. of Defense	Bil. dol	31	44	56	80	88	73	77	72
Dept. of the Interior	Bil. dol	5	8	10	10	12	12	13	14
Federally leased:									
Land	Mil. acres	1.8	1.8	1.2	1.4	1.4	1.4	1.8	1.3
Dept. of Defense	Mil. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	.5
Buildings, floor area [1]	Mil. sq. ft	97	182	210	214	215	206	203	237
Dept. of Defense [1]	Mil. sq. ft	11	7	13	14	14	14	14	13
Rental property, cost	Mil. dol	174	451	664	1,054	1,422	1,532	1,547	1,661
Dept. of Defense	Mil. dol	35	63	65	156	314	323	324	326

[1] Excludes data for Dept. of Defense military functions outside United States. [2] See headnote, table 505.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

No. 505. Federally Owned Land and Cost of Land, by Predominant Usage: 1960 to 1985

[As of end of fiscal year; see text, section 9. Covers land in United States only (50 States and DC). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value. For data on Federal land by State, see table 322]

YEAR AND AGENCY	Total [1]	Forest and wildlife	Grazing	Parks and historic sites	Military, exc. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields
LAND (mil. acres)									
1960, total	771.5	513.5	166.7	22.4	18.3	5.5	8.0	1.9	2.0
1965, total	765.8	508.4	165.2	22.8	15.7	6.7	7.8	1.9	2.0
1970, total	761.3	503.2	163.5	24.6	17.7	7.4	7.5	2.1	1.5
1975, total	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3
1978, total	775.2	514.8	162.7	26.7	20.6	8.2	6.1	1.6	1.5
1979, total	769.9	472.1	162.5	68.5	18.0	8.3	6.0	1.5	1.5
1980, total	719.5	421.8	162.2	92.6	18.5	8.3	4.8	1.5	.4
1981, total	730.8	432.3	161.7	102.2	10.5	8.4	3.8	1.6	1.1
1982, total	729.8	433.3	161.8	100.6	10.6	8.5	3.7	1.5	.7
1983, total	732.0	434.0	162.1	95.6	16.9	8.3	3.8	1.5	1.5
1984, total	726.8	430.4	153.0	91.4	19.8	8.3	5.9	1.2	2.5
1985, total	727.4	430.6	154.7	94.0	26.0	5.8	5.9	1.0	2.4
COST OF LAND (mil. dol.)									
1960	2,958	130	22	142	348	1,063	170	219	195
1965	4,128	237	18	180	298	1,915	224	204	203
1970	5,475	350	26	373	331	2,591	312	251	162
1975	6,872	589	26	618	334	3,381	313	273	199
1978	8,762	789	27	1,047	477	3,914	580	296	133
1979	9,680	900	27	1,417	480	4,104	377	286	146
1980	9,982	975	28	1,560	502	4,331	365	304	123
1981	10,355	1,121	29	1,823	274	4,504	264	321	240
1982	10,777	1,211	29	1,907	285	4,696	280	316	194
1983	10,972	1,236	29	2,114	266	4,829	261	329	206
1984	12,324	1,223	26	2,799	349	4,615	439	306	327
1985	12,880	1,349	25	2,872	399	4,772	387	290	381

[1] Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

Digitized by Google

No. 506. Public Lands—Disposal Transactions and Cash Receipts: 1961 to 1986

[For fiscal year ending in year shown; see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10–15 and J 26–32]

ITEM	Unit	1961–1970, total	1971–1975, total	1976–1980, total	1980	1981	1982	1983	1984	1985	1986
Applications, entries, and selections allowed [1]	1,000 acres	17,518	13,078	[2] 134,014	1,167	1,311	10,390	5,350	1,835	1,404	4
Alaska	1,000 acres	15,019	12,898	[2] 133,932	1,160	1,277	10,299	5,148	1,601	1,191	-
Applications, entries, and selections approved [1]	1,000 acres	4,177	4,704	13,262	175	340	18,121	16,907	4,837	6,491	683
Alaska	1,000 acres	2,537	4,270	13,013	2	321	17,996	16,590	4,259	6,095	595
Patents and certificates [1]	1,000 acres	11,524	5,584	14,389	2,495	1,258	411	723	1,449	4,217	3,704
Alaska	1,000 acres	6,050	4,470	13,884	2,443	1,090	191	244	979	3,729	3,254
Homestead entries: [3]											
Allowed	Number	2,383	211	25	1	12	3	1	20	4	-
Acres	1,000	292	24	3	(z)	1	(z)	(z)	2	1	-
Approved [4]	1,000 acres	172	42	13	1	2	2	1	3	2	-
Cash receipts	Mil. dol	4,769	16,140	19,715	5,079	11,279	7,880	11,680	7,914	6,939	5,864
Mineral leases [5]	Mil. dol	1,094	954	2,133	618	739	1,169	886	1,005	1,165	904
Outer Continental Shelf leases [6]	Mil. dol	2,918	14,462	15,972	4,101	10,138	6,250	10,492	6,694	5,542	4,716
Timber sales	Mil. dol	479	495	1,063	216	216	87	107	153	136	162
Public land, materials sales	Mil. dol	29	28	29	8	5	4	12	14	12	14
Fees and commissions	Mil. dol	36	47	152	29	44	4	2	2	2	2
Miscellaneous [6]	Mil. dol	214	155	355	108	138	366	181	46	75	66

- Represents zero. Z Less than 500 acres. [1] Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and reissue trusts and curative and supplemental patents. [2] Includes entries under the Alaska Native Claims Act of Dec. 18, 1971. [3] Excludes ceded Indian lands. [4] Excludes commuted homesteads. [5] Source: Minerals Management Service, *Mineral Revenues*, annual. [6] Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (as of fiscal year 1984), and other miscellaneous revenue.

Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics*, annual.

No. 507. Public Lands—Leases, Permits, and Licenses, by Class: 1960 to 1986

[As of end of fiscal year except as noted; see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material free use permits. See *Historical Statistics, Colonial Times to 1970*, series J 41–42, for oil and gas leases]

YEAR	MINERAL CLASS							GRAZING [4]	
	Total	Leases				Permits [2]	Licenses	Leases [3]	Permits [3]
		Total	Oil and gas [1]	Coal [2]	Other				
Number:									
1960	142,114	140,057	139,534	294	229	2,035	22	9,911	18,976
1965	101,863	101,086	100,338	379	368	763	14	8,912	18,712
1970	100,598	100,010	99,038	525	447	583	5	8,559	16,627
1975	104,075	103,762	102,815	529	418	309	4	7,785	15,480
1977	104,377	104,079	102,130	523	1,426	294	4	7,792	15,099
1978	105,284	105,088	102,984	524	1,580	183	13	9,884	14,925
1979	107,176	107,014	104,769	535	1,710	139	23	7,773	14,676
1980	106,125	105,963	103,571	522	1,870	132	30	7,700	14,741
1981	111,842	111,645	109,041	562	2,042	157	40	7,821	14,628
1982	118,589	118,365	115,389	607	2,369	149	75	7,837	12,956
1983	[7] 133,337	132,861	129,881	611	2,369	149	75	7,688	12,956
1984	[7] 118,254	117,849	115,382	450	2,017	348	57	7,550	13,053
1985	119,419	119,101	116,985	625	1,491	316	2	7,387	12,493
1986	105,513	105,226	102,885	805	1,736	246	41	7,218	12,394
Acreage (1,000):									
1960	118,157	114,136	113,667	199	270	4,020	1	18,532	(NA)
1965	66,267	64,955	64,148	374	433	1,311	1	18,057	(NA)
1970	65,374	64,323	63,030	764	529	1,051	(z)	18,262	(NA)
1975	82,618	81,885	80,621	780	485	733	(z)	17,144	(NA)
1977	86,903	86,275	83,319	791	2,164	626	2	16,387	(NA)
1978	90,202	89,623	86,585	790	2,447	334	45	24,705	(NA)
1979	96,482	96,109	92,642	798	2,669	299	74	17,534	(NA)
1980	100,585	100,198	96,503	786	2,909	278	109	17,026	(NA)
1981	117,257	116,777	112,729	833	3,215	337	143	17,180	(NA)
1982	151,743	151,193	146,502	910	3,781	189	361	17,488	157,575
1983	[7] 163,330	162,506	157,814	911	3,781	189	361	16,866	157,575
1984	[7] 136,323	135,827	131,655	705	3,457	263	233	18,375	156,888
1985	124,463	124,095	120,687	934	2,474	356	12	16,492	148,967
1986	96,717	96,236	92,731	901	2,604	340	141	16,232	147,148

NA Not available. Z Less than 500 acres. [1] For data on Outer Continental Shelf, see section 26. [2] Includes competitive, noncompetitive, preference right, and exchange leases as of fiscal year 1985. [3] Does not include free-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). [4] 1960–1977 as of Dec. 31, 1978–1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. [5] Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. [6] Licenses and permits within grazing districts. [7] Includes miscellaneous nonenergy leases, permits, and licenses on acquired, military, and other Federal lands not separable by type.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Digitized by Google



Section 11

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* issued by the Office of the Secretary of Defense; *Annual Report of Administrator of Veterans Affairs*, Veterans Administration, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

Veterans Administration.—The Veterans Administration (VA) administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service- connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1982 include those living outside the United States. Veteran population estimates for September 1982 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veterans benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Digitized by Google

No. 508. National Defense Outlays and Veterans Benefits: 1960 to 1987

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (−) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 472–473 and Y 476, for related data]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS				ANNUAL PERCENT CHANGE [1]				DEFENSE OUTLAYS, PERCENT OF—	
	Total outlays (bil. dol.)	Defense outlays		Veterans outlays (bil. dol.)	Total outlays	Defense outlays		Veterans outlays	Federal outlays	Gross national product [2]
		Current dollars (bil. dol.)	Constant (1982) dollars (bil. dol.)		Current dollars	Current dollars	Constant (1982) dollars			
1960	53.5	48.1	192.1	5.4	2.5	2.4	−1.9	3.1	52.2	9.5
1962	58.0	52.3	202.2	5.6	4.0	4.3	2.6	1.7	49.0	9.4
1963	58.9	53.4	197.1	5.5	1.7	2.0	−2.5	−1.9	48.0	9.1
1964	60.4	54.8	198.8	5.7	2.7	2.5	.9	2.9	46.2	8.7
1965	56.3	50.6	181.4	5.7	−6.9	−7.6	−8.8	.7	42.8	7.5
1966	64.0	58.1	197.9	5.9	13.7	14.8	9.1	3.5	43.2	7.9
1967	78.2	71.4	235.1	6.7	22.3	22.9	18.8	13.8	45.4	9.0
1968	89.0	81.9	254.8	7.0	13.4	14.7	8.4	4.4	46.0	9.6
1969	90.1	82.5	243.4	7.6	1.5	.7	−4.5	8.5	44.9	8.9
1970	90.4	81.7	225.6	8.7	.3	−1.0	−7.3	13.6	41.8	8.3
1971	88.7	78.9	202.7	9.8	−1.9	−3.5	−10.2	12.7	37.5	7.5
1972	89.9	79.2	190.9	10.7	1.4	.4	−5.8	9.8	34.3	6.9
1973	88.7	76.7	175.1	12.0	1.3	−3.1	−8.3	12.0	31.2	6.0
1974	92.7	79.3	163.3	13.4	4.5	3.5	−6.7	11.4	29.5	5.6
1975	103.1	86.5	159.8	16.6	11.2	9.0	−2.1	24.0	26.0	5.7
1976	108.1	89.6	153.6	18.4	4.8	3.6	−3.9	11.0	24.1	5.3
1976, TQ [3]	26.2	22.3	37.1	4.0	(x)	(x)	(x)	(x)	23.2	5.0
1977	115.3	97.2	154.3	18.0	6.7	8.5	.5	−2.1	23.8	5.0
1978	123.5	104.5	155.0	19.0	7.2	7.5	.5	5.2	22.8	4.8
1979	136.3	116.3	159.1	19.9	10.3	11.3	2.6	5.0	23.1	4.8
1980	155.2	134.0	164.0	21.2	14.0	15.2	3.1	6.3	22.7	5.0
1981	180.5	157.5	171.4	23.0	16.3	17.5	4.5	8.5	23.2	5.3
1982	209.3	185.3	185.3	24.0	16.0	17.6	8.1	4.2	24.9	5.9
1983	234.7	209.9	201.3	24.8	12.1	13.3	8.6	3.7	26.0	6.3
1984	253.0	227.4	211.5	25.6	7.8	8.3	5.1	3.1	26.7	6.2
1985	279.0	252.7	228.7	26.3	10.3	11.1	8.1	2.6	26.7	6.4
1986	299.7	273.4	242.1	26.4	7.4	8.2	5.9	.2	27.6	6.6
1987, est	308.9	282.2	242.8	26.7	3.0	3.2	.2	1.2	27.8	6.4

X Not applicable. [1] Change from prior year shown; for 1960, change from 1955. [2] Represents fiscal year GNP, for definition, see text, section 14. [3] Transition quarter, July–Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

No. 509. Federal Budget Outlays for National Defense Functions: 1970 to 1987

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (−) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total	81.7	86.5	97.2	104.5	116.3	134.0	157.5	185.3	209.9	227.4	252.7	273.4	282.2
Annual percent change [1]	10.1	9.0	8.5	7.5	11.3	15.2	17.6	17.6	13.3	8.3	11.1	8.2	3.2
Defense Dept., military	80.2	85.9	95.3	102.3	113.7	131.0	153.8	180.7	204.4	220.8	245.4	265.6	274.2
Military personnel	29.0	32.2	33.7	35.6	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	70.6
Percent of military	36.2	37.5	35.3	34.7	32.9	31.2	31.2	30.5	29.8	29.1	27.6	26.9	25.8
Operation, maintenance	21.6	26.3	30.6	33.6	36.4	44.8	51.9	59.7	64.9	67.4	72.3	75.3	76.7
Procurement	21.6	16.0	18.2	20.0	25.4	29.0	35.2	43.3	53.6	61.9	70.4	76.5	82.7
Research and development	7.2	8.9	9.8	10.5	11.2	13.1	15.3	17.7	20.6	23.1	27.1	32.3	34.2
Military construction	1.2	1.5	1.9	1.9	2.1	2.5	2.5	2.9	3.5	3.7	4.3	5.1	5.0
Family housing	.6	1.1	1.4	1.4	1.5	1.7	1.7	2.0	2.1	2.4	2.6	2.8	2.8
Other [2]	−1.0	−.1	−.2	−.6	−.2	−1.0	−.6	(−Z)	−1.2	−1.8	.6	2.2	2.1
Atomic energy activities [3]	1.4	1.5	1.9	2.1	2.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.4
Defense-related activities [4]	.1	−.9	(−Z)	.1	.1	.1	.3	.3	.3	.5	.3	.3	.6

Z Less than $50 million. [1] Change from immediate prior year; for 1970, change from 1965. [2] Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. [3] Defense activities only. [4] Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, 1988*.

Digitized by Google

No. 510. Department of Defense—Funds Available and Outlays: 1970 to 1987

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 458-460 for outlays]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Funds available	90.5	102.9	131.5	137.5	148.2	167.2	204.6	243.4	280.0	306.3	346.8	361.1	379.6
Budget authority	75.4	87.6	110.2	117.2	126.5	143.9	180.0	216.5	245.0	265.2	294.7	289.1	292.9
Military [1]	74.2	85.8	108.1	114.6	123.7	140.7	176.0	211.6	238.7	258.2	286.8	281.4	284.9
Civil	1.2	1.8	2.1	2.6	2.8	3.1	4.0	5.0	6.4	7.0	7.9	7.8	8.0
Unobligated balance [2]	15.1	15.3	21.3	20.3	21.7	23.3	24.6	26.9	35.0	44.1	52.1	72.0	86.7
Military	14.8	15.1	21.0	20.0	21.3	23.0	24.2	26.5	34.6	43.4	51.8	61.5	50.5
Civil	.3	.2	.3	.3	.4	.3	.4	.4	.4	.7	.5	10.5	36.2
Outlays (DOD) [3]	78.3	87.0	97.9	104.5	116.3	134.0	157.5	185.3	209.9	227.4	252.7	273.4	282.2
Percent of funds available	86.5	84.5	74.2	75.5	77.8	79.2	76.4	78.7	71.6	70.7	68.4	70.8	69.5
Military	77.1	84.9	95.6	102.3	113.7	131.0	153.8	180.7	204.4	220.8	245.4	265.6	274.2
Civil [1]	1.2	2.1	2.3	2.1	2.7	3.0	3.7	4.6	5.5	6.6	7.4	7.7	8.0

[1] Excluding accruals. [2] Start of year. [3] Includes nondefense civil outlays by other departments.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 511. Department of Defense—Military Budget Authority by Major Mission: 1975 to 1987

[In billions of dollars, except as indicated. For fiscal year ending in year shown; see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total	87.9	123.7	140.7	176.0	211.6	238.7	258.2	286.8	281.4	284.9
General purpose	28.1	47.4	52.2	68.8	88.1	98.6	100.7	118.4	116.2	117.2
Training, medical	20.0	26.4	29.2	35.3	39.6	42.2	43.3	33.6	33.6	36.3
Research and development	7.7	10.9	11.9	14.2	16.9	18.7	21.5	24.4	25.7	26.0
Intelligence and communications	6.3	8.0	9.1	11.2	13.9	17.3	20.0	25.1	26.4	28.2
Strategic forces	7.2	8.0	11.1	12.7	15.3	19.7	26.1	27.4	24.2	21.5
Central supply and maintenance	9.1	13.0	16.0	19.1	21.1	21.6	23.4	26.7	24.4	23.1
Guard and reserve	4.8	6.9	7.9	9.9	10.6	12.1	12.2	15.8	15.6	16.0
Airlift and sealift	.9	1.7	2.1	2.9	4.0	4.3	5.5	8.7	7.6	7.2
Admin. and assoc. activities	2.0	2.3	2.5	3.4	3.8	4.1	4.8	6.1	7.1	6.7
Support of other nations	1.8	.4	.8	.9	.9	.7	.7	.6	.5	.7
PERCENT DISTRIBUTION										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
General purpose	32.0	37.9	36.8	38.8	41.2	41.3	39.0	41.3	41.3	41.1
Training, medical	22.8	21.1	20.5	19.8	18.5	17.8	16.8	11.7	11.9	12.7
Research and development	8.8	8.7	6.3	6.0	7.9	7.8	8.3	8.5	9.1	9.8
Intelligence and communications	7.2	6.4	6.4	6.3	6.5	7.2	7.7	8.8	9.4	9.9
Strategic forces	8.2	6.4	7.8	7.1	7.2	8.2	10.1	9.6	8.6	7.5
Central supply and maintenance	10.4	10.4	11.2	10.7	9.9	9.0	9.1	9.3	8.7	8.1
Guard and reserve	5.5	5.5	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.8
Airlift and sealift	1.0	1.4	1.5	1.6	1.9	1.6	2.1	3.0	2.7	2.5
Admin. and assoc. activities	2.3	1.8	1.8	1.9	1.7	1.7	1.9	2.1	2.5	2.4
Support of other nations	2.0	.3	.4	.5	.4	.3	.3	.2	.2	.2

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 512. Federal Research and Development Funding for National Defense: 1980 to 1987

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total [1]	14.9	18.4	22.1	24.9	29.3	33.7	36.9	40.3
Department of Defense (DOD)—military	13.8	17.1	20.5	23.3	27.3	31.4	34.7	37.9
Research, development, test and evaluation	13.3	16.5	19.9	22.6	26.6	30.9	33.7	36.9
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	11.0
Strategic programs	2.2	3.4	4.8	5.8	7.9	8.2	7.5	8.1
Intelligence and communications	1.2	1.8	2.2	2.7	3.4	4.0	4.5	4.9
Advanced technology development	.8	.6	.6	.6	1.4	2.8	4.1	5.4
Defensewide mission support	1.9	2.1	2.5	2.6	3.0	3.6	4.1	4.2
Technology base	2.9	2.8	2.9	3.2	3.1	3.1	3.2	3.2
Other DOD military	.5	.6	.6	.7	.7	.6	1.0	.9
Atomic energy defense activities (DOE) [1] [2]	1.1	1.3	1.5	1.6	1.9	2.3	2.3	2.4
Weapons research, development, and testing	.6	.8	.9	.9	1.3	1.5	1.5	1.5
Naval reactors development	.2	.3	.3	.3	.4	.4	.5	.5

[1] Includes other programs not shown separately. [2] Department of Energy.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

Digitized by Google

NO. 513. DEFENSE PURCHASES, NATIONAL INCOME AND PRODUCT ACCOUNT (NIPA) BASIS: 1980 TO 1986

[In billions of dollars, except percent. National defense purchases on a NIPA basis will differ from other published measures of DOD spending, such as budget authority or outlays, because of coverage and timing differences. See source for further detail]

PURCHASES	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Total purchases	142.7	193.8	214.4	235.0	259.4	277.6	171.2	193.8	206.9	219.4	235.7	250.0
Percent of GNP [1]	5.2	6.1	6.3	6.2	6.5	6.6	5.4	6.1	6.3	6.3	6.6	6.8
Durable goods	33.0	49.2	58.1	65.5	74.9	82.5	40.3	49.2	56.1	61.2	70.4	77.2
Military equipment [2]	26.6	40.2	48.5	55.5	64.0	70.6	33.0	40.2	46.4	51.2	58.8	63.6
Aircraft	10.9	16.8	20.4	21.8	25.9	31.6	13.6	16.8	19.0	18.5	22.6	26.3
Ships	4.2	6.0	6.9	7.7	8.5	8.7	5.0	6.0	6.7	7.0	7.5	7.6
Missiles	3.8	5.7	7.0	8.5	9.7	12.2	4.7	5.7	6.7	8.1	9.2	11.9
Nondurable goods [2]	10.9	13.6	12.6	12.2	12.2	10.9	12.4	13.6	13.5	13.6	13.6	14.6
Bulk petroleum	7.6	9.2	7.6	6.8	6.6	4.3	8.5	9.2	8.6	6.3	8.4	8.5
Ammunition	1.6	2.3	2.7	3.1	3.2	4.0	2.0	2.3	2.6	3.0	2.9	3.8
Services [3]	95.7	127.1	138.8	152.4	166.1	177.5	115.3	127.1	132.6	140.0	146.3	152.3
Compensation of employees	66.0	84.0	89.6	94.6	101.1	104.6	79.7	84.0	85.6	86.9	88.3	88.8
Military	43.5	56.6	60.2	63.5	67.8	70.4	53.8	56.6	57.6	58.6	59.5	59.7
Structures	3.1	3.9	4.8	5.0	6.1	6.8	3.3	3.9	4.8	4.7	5.5	5.9

[1] GNP = Gross national product. [2] Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982*, and *Survey of Current Business*, July 1987 issue.

NO. 514. MILITARY PRIME CONTRACT AWARDS TO ALL BUSINESSES, BY PROGRAM: 1975 TO 1986

[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1975	1980	1981	1982	1983	1984	1985	1986			
								Total	Percent small business [1]	Percent women owned	Small disadvantaged businesses
Total	[2] 45.8	83.7	105.2	124.7	140.5	146.0	163.7	158.8	(NA)	(NA)	(NA)
Intragovernmental [3]	5.0	10.2	9.8	12.8	9.9	10.1	12.4	9.9	(NA)	(NA)	(NA)
For work outside the U.S.	2.4	5.4	6.6	7.5	7.2	8.3	8.6	9.1	(NA)	(NA)	(NA)
Educational and non-profit institutions	.8	1.5	1.7	2.0	2.2	2.7	3.1	3.4	(NA)	(NA)	(NA)
With business firms for work in the United States [4]	37.1	66.7	87.2	102.5	121.1	124.9	139.6	136.5	19.7	.8	2.3
Major hard goods	22.2	41.0	53.3	67.9	80.8	86.3	98.1	92.8	8.1	.3	.9
Aircraft	6.7	12.5	16.5	21.1	26.3	29.2	34.6	32.3	4.2	.2	.3
Electronics and communication equipment	4.7	9.6	11.7	14.2	16.7	19.7	22.0	19.7	11.4	.5	1.7
Missiles and space systems	4.6	7.9	10.2	12.7	14.7	16.7	16.7	19.4	3.3	.3	.5
Ships	3.5	6.0	7.4	9.6	12.8	9.4	10.4	9.4	15.9	.2	1.9
Tank-automotive	.9	2.1	3.8	4.4	4.7	5.0	5.2	5.2	14.8	.3	.8
Ammunition	1.3	1.9	2.1	3.6	3.2	4.0	4.7	4.5	13.8	.1	1.4
Weapons	.4	1.1	1.5	2.3	2.4	2.4	2.6	2.3	14.9	.5	1.4
Services	3.1	5.9	5.8	7.9	10.4	8.5	9.1	10.4	27.8	1.8	7.8
All other	11.9	19.8	26.0	26.7	29.9	30.1	32.3	33.2	49.7	2.0	4.4

NA Not available. [1] Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales. [2] Includes awards for CHAMPUS. [3] Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments. [4] Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S.; contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Military Prime Contract Awards*, annual.

NO. 515. EMPLOYMENT—DEFENSE-RELATED AGENCIES: 1970 TO 1986

[In thousands, except percent. Annual averages]

EMPLOYMENT	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total U.S. employment [1]	80,796	87,524	100,907	102,042	101,194	102,510	106,702	108,856	111,303
Federal	4,849	4,426	4,470	4,417	4,407	4,450	4,504	4,581	4,605
Resident Armed Forces	2,118	1,678	1,604	1,645	1,668	1,676	1,697	1,706	1,706
Civilian personnel [2]	2,731	2,748	2,866	2,772	2,739	2,774	2,807	2,875	2,899
Federal defense-related agencies, excluding Armed Forces [3]	1,211	1,036	948	972	979	1,016	1,033	1,073	1,099
Percent of Federal civilian personnel	44.3	37.7	33.1	35.1	35.7	36.6	36.8	37.3	36.5
Federal defense-related agencies [1]	3,329	2,717	2,552	2,617	2,647	2,692	2,730	2,779	2,765
Percent of total Federal [1]	68.7	61.4	57.1	59.2	60.1	60.5	60.6	60.7	60.0
Percent of total U.S. [1]	4.1	3.1	2.5	2.6	2.6	2.6	2.6	2.6	2.5

[1] Includes resident Armed Forces. [2] Includes U.S. residents only. [3] Source: Beginning 1980, U.S. Dept. of Defense, *Civilian Manpower Statistics*, annual (Sept. issues).

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 516. Department of Defense Contract Awards, Payroll, Civilian and Military Personnel—States: 1984 to 1986

[For years ending **Sept. 30. Contracts** refer to awards made in year specified; expenditures relating to awards may extend over several years. **Payroll** estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. **Civilian employees** represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. **Military personnel** in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS [1] (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
U.S., total	124,015	140,096	136,026	53,302	54,633	59,456	942.0	[2] 976.2	[2] 963.9	1,358.7	[2] 1,366.9	[2] 1,427.6
AL	1,132	1,418	1,604	1,161	1,220	1,352	27.1	27.3	26.8	25.2	23.1	23.3
AK	437	550	565	477	530	541	4.4	5.0	5.0	21.0	20.4	21.0
AZ	1,764	2,006	2,632	686	654	754	10.0	10.4	10.6	22.6	20.7	25.6
AR	692	810	887	291	297	362	4.6	4.8	4.9	10.1	9.7	9.9
CA	28,520	29,115	27,738	8,695	8,910	9,475	133.6	137.9	135.2	203.8	204.8	209.0
CO	1,153	1,563	1,897	966	975	1,091	14.5	14.1	14.1	40.1	36.9	43.0
CT	5,459	5,543	5,441	378	392	414	4.6	5.0	5.0	8.5	6.5	7.2
DE	226	261	224	127	124	129	1.7	1.8	1.8	4.9	4.7	4.8
DC	815	1,104	957	880	842	923	16.0	16.9	16.8	13.0	12.7	13.1
FL	4,034	5,271	5,664	2,518	2,637	2,867	31.0	33.0	32.0	69.1	73.1	74.7
GA	3,123	3,520	3,764	1,894	2,015	2,166	37.5	40.4	39.9	59.7	64.4	63.6
HI	537	628	563	1,670	1,750	1,775	20.8	21.3	20.8	45.3	47.0	44.2
ID	51	50	63	130	126	142	1.2	1.3	1.3	5.8	5.6	5.8
IL	1,476	1,693	1,735	1,223	1,317	1,621	22.3	22.7	22.1	37.4	40.9	42.1
IN	2,522	3,177	2,490	493	504	544	14.4	15.4	15.2	6.3	6.6	6.9
IA	405	590	580	54	48	64	1.5	1.5	1.5	.4	.4	.4
KS	2,362	2,139	1,955	568	559	637	6.8	7.0	7.1	22.6	23.6	22.5
KY	448	506	557	941	967	1,046	13.9	14.8	14.2	38.3	40.8	38.9
LA	1,855	2,175	1,498	624	632	757	9.1	9.3	9.3	25.7	25.7	25.4
ME	532	957	584	202	249	432	[4] 2.1	10.6	10.1	5.4	5.4	5.9
MD	4,013	4,608	4,537	1,875	1,905	2,036	41.3	43.3	42.3	35.6	35.7	35.3
MA	7,029	7,714	8,735	513	517	543	11.9	12.3	12.2	9.5	9.4	9.2
MI	2,510	2,789	2,353	500	540	556	12.1	12.2	12.7	9.3	8.8	8.9
MN	1,826	2,298	2,355	90	96	132	2.7	2.8	2.9	.8	.9	.9
MS	2,190	1,310	1,634	648	851	947	10.7	11.6	11.3	18.2	18.0	18.0
MO	6,520	7,613	5,548	790	786	924	20.4	21.0	21.0	16.0	16.1	15.5
MT	83	102	62	98	97	106	1.1	1.2	1.3	4.0	3.7	3.9
NE	167	193	226	370	379	468	3.8	3.8	4.0	12.9	12.8	13.2
NV	129	128	141	245	227	231	1.9	2.1	2.0	10.4	9.7	10.0
NH	663	678	471	354	290	157	[4] 10.1	1.8	1.8	4.2	4.1	4.0
NJ	3,278	3,862	3,226	1,077	1,104	1,072	28.3	29.0	27.6	19.9	19.0	20.5
NM	552	492	565	576	566	629	9.5	9.6	9.9	17.0	16.4	16.8
NY	9,515	10,033	9,906	862	850	956	19.0	18.8	19.7	22.4	22.0	22.7
NC	863	1,029	1,049	2,068	2,187	2,179	15.7	16.3	16.1	100.2	98.7	96.1
ND	201	207	229	239	238	250	1.7	1.8	1.8	11.9	11.3	11.1
OH	2,804	4,648	5,201	1,187	1,253	1,301	33.2	34.3	34.4	14.3	13.8	11.7
OK	535	602	775	1,195	1,165	1,306	25.2	26.8	27.3	30.8	31.1	30.7
OR	230	256	340	104	112	219	3.0	3.1	3.1	.8	.8	.8
PA	3,253	4,149	4,192	1,583	1,567	1,703	53.9	55.7	53.4	7.0	6.7	6.6
RI	396	431	394	235	247	267	4.4	4.7	4.5	3.9	4.0	4.1
SC	478	490	521	1,588	1,593	1,678	20.0	20.5	20.2	45.7	44.4	47.0
SD	47	78	126	139	126	157	1.2	1.4	1.4	6.3	5.9	6.1
TN	796	793	1,157	378	370	456	7.4	7.3	7.5	12.2	11.0	10.4
TX	8,750	10,562	10,940	3,736	3,958	4,147	64.5	66.6	63.6	131.2	127.2	135.3
UT	880	789	714	664	701	735	22.5	23.6	23.3	6.1	6.2	6.0
VT	170	163	124	16	17	20	.6	.6	.6	.1	.1	.1
VA	4,605	6,167	5,402	6,273	6,405	6,993	103.8	107.2	106.1	95.8	96.6	98.3
WA	2,884	3,559	2,525	1,689	1,696	1,855	29.3	29.5	28.5	43.0	43.7	42.3
WV	72	90	105	50	51	97	1.5	1.6	1.6	.4	.4	.4
WI	959	1,065	981	90	98	120	3.1	3.2	3.3	.9	.9	.9
WY	74	125	92	89	92	102	.9	1.1	1.1	3.9	3.7	4.1

[1] Military awards for supplies, services, and construction. Net value of contracts of over $25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 514. [2] Includes undistributed civilians. [3] Includes undistributed military personnel. [4] The Portsmouth Naval shipyard was reported at Portsmouth, New Hampshire, instead of Kittery, Maine.

Source: U.S. Dept. of Defense, *Prime Contract Awards by State*, annual, *Distribution of Personnel by State—by Selected Locations*, annual, and *Atlas/State Data Abstract for the United States and Selected Areas*, annual.

Digitized by Google

No. 517. Worldwide Military Expenditures: 1974 to 1984

[For military expenditures and Armed Forces by country, see section 31. GNP = Gross national product]

Country group	Military expenditures (bil. dol.)											Per capita (dol.)	
	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1980	1984
CURRENT DOLLARS													
Worldwide, total [1]	**319.9**	**362.9**	**392.2**	**422.1**	**465.7**	**514.4**	**583.6**	**654.6**	**734.9**	**789.1**	**835.7**	**131**	**175**
United States	85.9	91.0	91.0	100.9	109.2	122.3	144.0	169.9	196.4	217.2	237.1	632	1,002
Percent of total	26.9	25.1	23.2	23.9	23.4	23.8	24.7	26.0	26.7	27.5	28.4	(x)	(x)
Developed countries [2]	262.6	287.3	306.1	332.7	365.3	405.3	461.7	515.9	576.6	623.6	665.2	426	597
Developing countries [3]	57.1	75.6	86.1	89.4	100.3	109.1	121.9	138.7	158.1	165.3	170.5	36	47
NATO countries [3]	128.9	138.4	142.7	156.6	171.3	190.4	220.3	253.6	288.9	316.6	341.4	381	574
Warsaw Pact countries	128.3	142.6	156.2	167.6	184.7	203.7	227.6	248.0	272.7	289.2	304.9	608	789
Soviet Union	109.0	121.0	133.0	143.0	158.0	175.0	196.0	213.0	232.0	247.0	260.0	738	945
CONSTANT (1983) DOLLARS													
Worldwide, total [1]	**608.5**	**630.0**	**640.6**	**650.8**	**663.9**	**679.1**	**706.2**	**732.9**	**768.7**	**789.1**	**807.8**	**159**	**169**
United States	163.4	157.9	148.7	155.6	155.8	161.4	174.2	190.2	205.4	217.2	229.2	765	968
Percent of total	26.9	25.1	23.2	23.9	23.5	23.6	24.7	26.0	26.7	27.5	28.4	(x)	(x)
Developed countries [2]	499.9	498.7	500.0	513.0	520.9	535.1	558.7	577.6	603.3	623.6	643.1	516	577
Developing countries [3]	108.6	131.3	140.6	137.8	143.0	144.0	147.5	155.3	165.4	165.3	164.6	44	45
NATO countries [3]	245.2	240.3	233.1	241.6	244.3	251.3	266.5	284.2	302.2	316.6	330.0	461	555
Warsaw Pact countries	244.0	247.6	255.1	258.7	263.3	269.0	275.6	277.6	285.2	289.2	294.6	735	763
Soviet Union	207.3	210.0	217.3	220.5	225.3	231.0	237.2	238.5	242.7	247.0	251.3	893	914
PERCENT OF GNP													
Worldwide, total	5.8	6.0	5.6	5.6	5.5	5.5	5.6	5.7	6.0	6.0	5.9	(x)	(x)
United States	5.6	5.7	5.1	5.1	4.9	4.9	5.3	5.6	6.2	6.4	6.3	(x)	(x)
Developed countries [2]	5.8	5.6	5.6	5.5	5.4	5.4	5.6	5.6	5.9	6.0	5.9	(x)	(x)
Developing countries [3]	5.7	6.6	6.6	6.1	6.2	5.6	5.7	5.9	6.2	6.2	6.0	(x)	(x)
NATO countries [3]	4.8	4.7	4.4	4.4	4.2	4.2	4.4	4.7	5.0	5.2	5.1	(x)	(x)
Warsaw Pact countries [4]	10.9	10.8	10.8	10.6	10.4	10.6	10.7	10.7	10.6	10.7	10.7	(x)	(x)
Soviet Union [4]	12.9	12.9	12.6	12.6	12.4	12.7	12.8	12.7	12.7	12.6	12.6	(x)	(x)

X Not applicable. [1] Includes countries not shown separately. [2] Twenty-eight developed countries; see table 516 for selected countries; for complete list see source. [3] North Atlantic Treaty Organization. [4] The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

No. 518. Arms Trade in Constant (1983) Dollars—Selected Countries: 1983 to 1985

[In millions of constant (1983) dollars]

Country	1983	1984	1985	
			Total	Arms imports as percent of total imports
Arms trade, world total [1]	**39,800**	**40,290**	**26,990**	**1.4**
EXPORTERS				
Canada	180	184	178	.1
China: Mainland	1,800	1,837	327	.3
Czechoslovakia	600	701	772	2.2
France	4,300	3,480	3,087	.1
Poland	775	749	655	3.2
Soviet Union	11,000	10,730	6,325	.9
United Kingdom	1,800	1,450	538	.4
United States	11,800	9,860	6,793	.2
West Germany	1,800	2,707	538	.4
IMPORTERS				
Developed [1]	**8,505**	**8,033**	**6,674**	**.5**
Australia	390	580	655	2.7
Canada	310	261	47	.1
Czechoslovakia	150	435	365	2.2
East Germany	650	483	374	1.6
Hungary	80	145	28	.2
Italy	130	193	112	.1
Japan	775	894	702	.6
Poland	600	251	514	3.2
Romania	50	68	19	.2
Soviet Union	1,100	967	725	.9
United Kingdom	650	773	440	.4
United States	500	464	538	.2
West Germany	430	508	655	.4

Country	1983	1984	1985	
			Total	Arms imports as percent of total imports
RECIPIENT COUNTRIES				
Developing [1]	**31,290**	**32,250**	**20,310**	**4.4**
Afghanistan	160	309	140	16.6
Algeria	575	508	253	3.0
Angola	750	1,063	412	25.9
Argentina	975	435	140	3.9
Cuba	700	677	748	9.3
Egypt	1,800	1,547	1,029	11.0
El Salvador	50	67	84	9.4
Ethiopia	525	556	365	39.3
Greece	480	271	262	2.7
India	975	773	1,777	13.0
Iran	675	2,127	748	6.9
Iraq	5,800	7,444	1,964	19.9
Israel	500	653	702	7.4
Jordan	1,000	203	355	13.9
Kuwait	110	377	271	4.4
Libya	1,800	1,740	1,216	24.0
Morocco	320	184	122	3.4
Nicaragua	140	242	112	14.1
North Korea	120	77	261	17.4
Oman	350	300	94	(NA)
Pakistan	440	532	365	6.6
Peru	190	203	75	4.4
Saudi Arabia	3,600	2,513	2,339	(NA)
South Korea	390	377	355	1.2
Spain	250	145	122	.4
Syria	2,000	1,450	865	(NA)
Turkey	500	464	365	3.5
Venezuela	50	348	309	4.0
Vietnam	800	773	608	(NA)
Yemen (Sanaa)	330	77	84	(NA)

NA Not available. [1] Includes countries not shown separately.

Source of tables 517 and 518: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

Digitized by Google

No. 519. Arms Transfers—Cumulative Value for Period 1981 to 1985, by Major Supplier, and Recipient Country

[In millions of dollars]

Recipient	Total [1]	Supplier									
		Soviet Union	United States	France	United Kingdom	West Germany	China: Mainland	Italy	Poland	Czechoslovakia
World total [1]	**188,230**	**55,790**	**40,270**	**19,265**	**8,785**	**7,610**	**5,470**	**4,925**	**3,905**	**3,255**
Africa [1]	**27,515**	**13,875**	**1,350**	**2,710**	**990**	**880**	**505**	**1,500**	**300**	**915**
Algeria	3,890	3,200	170	100	160	160	-	40	-	10
Angola	2,975	2,600	-	10	-	-	-	-	-	5
Ethiopia	2,100	2,000	-	-	-	-	-	30	-	20
Libya	10,455	4,800	-	725	5	180	320	850	300	875
Morocco	1,255	-	350	575	-	10	-	20	-	-
Sudan	560	-	140	30	10	120	80	10	-	-
East Asia [1]	**18,975**	**4,950**	**9,840**	**375**	**375**	**505**	**220**	**405**	**210**	**30**
Japan	3,750	-	3,700	-	-	40	-	-	-	-
North Korea	990	390	-	20	-	-	210	-	100	-
South Korea	1,960	-	1,900	10	10	-	-	-	-	-
Vietnam	3,645	3,500	-	-	-	-	-	-	110	30
South Asia	**10,060**	**5,730**	**1,365**	**995**	**840**	**160**	**420**	**60**	**110**	**150**
Afghanistan	1,590	1,500	-	-	-	-	-	-	-	70
India	6,070	4,200	60	550	800	120	-	30	110	60
Pakistan	2,190	-	1,300	340	20	40	350	30	-	20
Europe [1]	**36,005**	**8,710**	**15,740**	**870**	**900**	**1,585**	**-**	**205**	**2,440**	**1,425**
Czechoslovakia	1,800	1,700	-	-	-	-	-	-	20	-
Greece	1,925	90	825	50	5	250	-	100	-	5
Hungary	570	410	-	-	-	-	-	-	50	60
Italy	705	-	700	5	-	-	-	-	-	-
Poland	2,530	2,200	-	-	-	-	-	-	-	200
Romania	290	140	-	20	90	-	-	-	-	40
Soviet Union	4,200	-	-	-	-	-	-	-	2,000	1,100
Spain	1,350	-	750	480	10	60	-	30	-	-
Turkey	2,120	-	1,100	20	110	800	-	10	-	-
United Kingdom	2,890	-	2,800	80	-	-	-	-	-	-
West Germany	2,745	-	2,400	30	60	-	-	5	-	-
Latin America [1]	**13,530**	**4,150**	**1,325**	**1,245**	**255**	**2,455**	**-**	**1,050**	**40**	**165**
Argentina	2,400	-	40	230	90	1,400	-	110	-	-
Cuba	4,010	3,500	-	-	-	-	-	-	40	160
Ecuador	750	-	50	120	60	-	-	260	-	-
Peru	1,150	390	110	210	-	230	-	100	-	-
Venezuela	1,275	-	470	30	-	5	-	500	-	-
Middle East [1]	**76,115**	**18,375**	**15,180**	**13,140**	**4,505**	**1,565**	**4,325**	**1,570**	**805**	**570**
Egypt	7,120	40	2,900	1,200	460	5	525	350	-	-
Iran	6,435	370	-	-	100	-	575	-	20	30
Iraq	23,925	7,400	-	5,100	170	700	3,100	490	625	190
Israel	4,105	-	4,100	-	-	-	-	-	-	-
Jordan	3,805	525	350	1,100	1,200	-	10	-	-	-
Saudi Arabia	14,760	-	6,400	4,300	1,400	190	-	170	-	-
Syria	8,950	8,000	-	50	60	20	110	-	10	350
Yemen (Sanaa)	1,675	850	90	-	-	10	-	-	150	-

- Represents zero. [1] Includes countries not shown separately.

No. 520. Arms Export Market Share: 1975 to 1985

[In millions of dollars, except as indicated]

Exporter	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
World total	**13,270**	**17,310**	**20,280**	**24,440**	**28,200**	**30,240**	**37,570**	**39,910**	**40,040**	**41,460**	**28,900**
NATO, total	7,205	9,580	10,880	11,950	11,260	13,790	19,060	17,950	21,420	20,140	15,190
U.S.	4,900	5,900	6,700	6,500	6,100	6,500	8,600	9,300	11,800	10,200	9,400
Non-U.S.	2,305	3,680	4,180	5,450	5,160	7,290	10,460	8,650	9,620	9,940	5,790
Warsaw Pact, total	4,900	6,370	7,975	10,390	14,710	13,900	14,230	15,460	13,410	14,150	11,480
Soviet Union	4,000	5,300	6,600	8,500	12,900	12,200	12,000	12,700	11,000	11,100	8,900
Non-Soviet Union	900	1,070	1,375	1,890	1,810	1,700	2,230	2,760	2,410	3,050	2,580
Others	1,165	1,360	1,425	2,100	2,230	2,550	4,280	6,470	5,210	7,170	2,230
PERCENT DISTRIBUTION											
NATO, total	54.3	55.3	53.6	48.9	39.9	45.6	50.7	45.0	53.5	48.6	52.6
U.S.	36.9	34.1	33.0	26.6	21.6	21.5	22.9	23.3	29.5	24.6	32.5
Non-U.S.	17.4	21.3	20.8	22.3	18.3	24.1	27.8	21.7	24.0	24.0	20.0
Warsaw Pact, total	36.9	36.8	39.3	42.5	52.2	46.0	37.9	38.8	33.5	34.1	39.7
Soviet Union	30.1	30.6	32.5	34.8	45.7	40.3	31.9	31.8	27.5	26.8	30.8
Non-Soviet Union	6.8	6.2	6.8	7.7	6.4	5.6	5.9	7.0	6.0	7.4	8.9
Others	8.8	7.9	7.0	8.6	7.9	8.4	11.4	16.2	13.0	17.3	7.7

Source of tables 519 and 520: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

Digitized by Google

No. 521. Arms Delivered by Selected Supplier and Major Weapon Type: 1981 to 1985

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; excluded are Albania, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total [1]	SUPPLIER						
		Soviet Union	Other Warsaw Pact	United States [2]	France	United Kingdom	Other NATO	China: Mainland
Land armaments: Tanks	13,774	4,395	1,250	1,624	185	400	220	2,180
Anti-air artillery [3]	5,977	1,985	465	122	5	–	35	1,455
Field artillery [4]	16,732	3,880	690	2,772	205	110	5,365	760
Armored personnel carriers	16,679	6,760	715	4,009	1,510	430	1,280	1,000
Naval craft: Major surface combatants [5]	154	33	2	17	19	12	55	2
Other surface combatants [6]	482	107	5	26	38	42	115	22
Submarines	26	8	–	–	–	–	10	4
Missile attack boats	99	26	–	–	13	6	10	22
Aircraft: Combat aircraft (supersonic)	2,844	1,620	25	394	215	60	–	200
Combat aircraft (subsonic)	597	100	15	272	70	90	–	–
Other aircraft [7]	1,747	385	305	37	95	55	290	105
Helicopters	1,656	870	150	181	200	15	175	–
Missiles (surface-to-air)	24,684	12,265	5,000	3,259	260	1,450	120	100

– Represents zero. [1] Includes other countries not shown separately. [2] United States data are by fiscal years 1981 to 1985, while other suppliers' data are by calendar years 1981 to 1985. [3] Air defense artillery includes weapons over 23 millimeters. [4] Field artillery includes mobile rocket launchers mortars, and recoilless rifles over 100 millimeters. [5] Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. [6] Minor surface combatants include motor torpedo boats, subchasers, and minesweepers. [7] Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 522. Estimates of Total Dollar Costs of American Wars

[**In millions of dollars, except percent.** Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: [1]										
Current dollars	360,000	140,600	50,000	32,700	2,300	1,000	270	100–140	87	82
Constant (1967) dollars	616,300	148,600	69,300	100,000	8,500	3,700	1,100	400–680	170	300
Percent 1 year's GNP	188	14	15	43	74	123	2	104	14	4
Service-connected veterans' benefits [2]	83,156	23,332	15,861	19,091	3,289	–	2,111	28	20	26
Interest, pmts. on war loans [3]	(*)	(*)	(*)	11,000	1,200	(*)	60	20	14	10
Current cost to 1985 [4]	443,156	163,932	65,861	62,791	6,800	(*)	2,441	170	120	120

– Represents zero. [1] Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 938. [2] Total cost to Oct. 1, 1985. For World War I and later wars, benefits are actual service-connected figures from 1965 *Annual Report* of Veterans Administration. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. [3] Total cost to 1985. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. [4] Unknown. [5] Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Priorities*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

No. 523. U.S. Military Sales and Assistance to Foreign Governments: 1950 to 1986

[**In millions of dollars, except as indicated. For fiscal year ending in year shown;** see text section 9. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950–1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Military sales agreements	49,009	5,660	6,725	11,035	12,713	6,502	16,022	15,319	13,892	11,506	7,059
Weapons and ammunition	22,173	2,366	2,710	3,611	6,393	2,037	7,450	6,093	6,376	3,861	2,403
Support equipment [1]	6,274	438	622	1,948	909	959	3,623	1,181	2,053	1,947	718
Spare parts and modifications	11,354	1,039	1,863	2,273	1,608	2,122	3,629	3,338	2,760	2,628	1,759
Support services	9,208	1,817	1,530	3,203	3,803	1,384	3,319	2,707	2,702	3,271	2,183
Military construction sales agreements	12,252	581	947	1,024	1,591	882	1,920	723	305	754	69
Military sales deliveries [2]	26,026	7,032	7,549	7,994	7,214	9,132	10,544	13,028	9,870	8,643	7,739
Military sales financing	10,170	1,911	2,101	5,673	1,950	3,046	3,884	5,107	5,716	4,940	4,947
Military assistance programs [3]	57,484	227	210	229	266	250	395	413	699	758	792
Military assist. program deliveries [4]	52,563	108	219	169	435	309	416	173	129	23	28
IMET program/deliveries [4]	1,866	24	26	27	25	28	44	47	52	55	52
Students trained (1,000) [4]	484	5	4	4	4	5	6	7	6	7	6

[1] Includes aircraft, ships, support vehicles, communications equipment, and other supplies. [2] Includes military construction sales deliveries. [3] Includes Military Assistance Service Funded (MASF) program data, Section 506(a) drawdown authority, and MAP Merger Funds as follows: FY 1982—$134 million; FY 1983—$324 million; FY 1984—$642 million; FY 1985—$758 million; FY 1986—$752 million. [4] Includes Military Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales*, and *Military Assistance Facts*, annual, and unpublished data.

Digitized by Google

No. 524. U.S. Military Sales Deliveries and Military Assistance Deliveries to Foreign Governments, by Country: 1950 to 1986

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Represents Department of Defense military sales deliveries. Includes deliveries made under Military Assistance Program (MAP), Military Assistance Service Funded Program (MASF) and Section 506(a) drawdown authority; excludes training. For explanation of MAP and MASF programs, see source]

Country	Military sales deliveries [1]					Military assistance deliveries				
	1950–1982	1983	1984	1985	1986	1950–1982	1983	1984	1985	1986
Total	75,391.7	13,028.1	9,870.3	8,643.2	7,739.4	54,219.7	172.8	128.7	23.2	28.0
Argentina	185.9	1.8	1.2	.8	1.0	34.0	-	-	-	-
Australia	2,111.8	326.1	441.1	448.5	350.0	-	-	-	-	-
Austria	160.9	15.0	7.0	3.8	7.3	96.3	-	-	-	-
Belgium	1,189.9	273.0	195.6	119.5	28.1	1,203.8	-	-	-	-
Bolivia	2.0	-	-	(Z)	2.8	31.8	-	.6	-	-
Brazil	271.1	6.9	9.7	10.3	25.5	207.2	-	-	-	-
Cambodia	-	-	-	-	-	1,177.2	-	-	-	-
Canada	1,586.9	110.6	139.4	73.8	116.4	-	-	-	-	-
Chile	177.6	-	-	-	-	80.5	-	-	-	-
China: Taiwan	1,968.3	401.6	275.0	341.7	253.3	2,554.6	-	-	-	-
Colombia	56.3	7.0	10.6	2.5	3.9	83.2	(Z)	-	-	-
Denmark	794.6	156.6	40.3	49.7	25.9	587.3	-	-	-	-
Dominican Republic	5.5	.3	3.6	2.1	3.0	21.5	-	(Z)	(Z)	(Z)
Ecuador	62.4	28.6	5.2	2.9	8.7	32.0	-	-	-	-
Egypt	1,622.5	1,010.4	319.7	581.0	640.3	-	-	-	-	-
El Salvador [2]	22.8	28.1	82.6	114.6	108.5	44.7	18.7	9.0	(Z)	.2
Ethiopia	86.6	-	-	-	-	182.9	-	-	-	-
France	404.0	14.1	45.3	45.9	145.9	4,045.1	-	-	-	-
Greece	1,592.4	157.0	106.8	126.0	77.6	1,631.3	34.5	1.0	.5	.4
Guatemala	30.5	.7	.5	1.1	.9	16.2	(Z)	-	-	-
Honduras	12.4	12.1	19.5	26.4	59.6	5.6	(Z)	(Z)	(Z)	7.9
India	76.9	.9	.5	.1	(Z)	90.3	(Z)	(Z)	-	-
Indonesia	220.2	26.9	15.7	18.0	12.9	189.2	.8	.8	1.5	-
Iran	10,670.2	-	-	-	-	786.7	-	-	-	-
Israel	6,033.1	260.7	216.1	484.1	222.1	-	-	-	-	-
Italy	802.0	26.3	54.0	58.4	68.8	2,243.7	-	-	-	-
Japan	1,175.8	385.5	339.3	424.7	206.7	810.3	-	-	-	-
Jordan	964.6	261.4	77.2	123.1	63.0	462.1	14.0	3.6	7.0	1.2
Kenya	111.7	19.9	6.0	8.3	14.4	-	-	-	-	-
Kuwait	669.1	72.4	49.8	43.7	85.2	-	-	-	-	-
Laos [3]	-	-	-	-	-	1,460.1	-	-	-	-
Lebanon	94.4	182.2	209.2	48.8	13.2	13.6	-	-	-	-
Liberia	4.4	9.3	7.3	10.2	9.9	5.9	.4	-	-	(Z)
Libya	29.6	-	-	-	-	12.6	-	-	-	-
Malaysia	97.3	25.9	28.5	9.2	3.6	-	-	-	-	-
Mexico	92.9	20.9	4.5	3.6	5.5	(Z)	-	-	-	-
Morocco	537.5	50.2	68.6	49.8	39.1	29.6	-	-	-	-
Netherlands	1,504.9	516.6	432.4	394.0	380.0	1,178.1	-	-	-	-
New Zealand	150.4	12.5	11.1	9.4	9.0	-	-	-	-	-
Nicaragua	5.2	-	-	-	-	7.7	-	-	-	-
Nigeria	46.7	2.5	3.8	1.6	2.3	-	-	-	-	-
Norway	1,021.9	254.5	191.6	30.0	45.5	862.2	-	-	-	-
Oman	57.6	22.5	4.6	1.4	1.0	-	-	-	-	-
Pakistan	545.0	255.6	453.0	358.3	149.2	650.3	(Z)	-	-	-
Panama	5.5	.5	.5	2.1	12.5	4.4	(Z)	(Z)	(Z)	-
Paraguay	1.0	(Z)	-	(Z)	(Z)	2.3	(Z)	(Z)	(Z)	(Z)
Peru	160.0	3.2	2.4	1.6	3.6	75.0	-	-	-	-
Philippines [3]	176.2	10.6	13.6	16.0	39.7	571.5	19.5	7.2	3.5	1.6
Portugal	29.1	12.5	25.5	97.6	29.3	447.8	15.9	42.3	4.2	9.6
Saudi Arabia	17,957.8	6,006.9	3,411.2	2,284.5	2,350.4	23.9	-	-	-	-
Singapore	219.1	83.4	32.9	26.1	147.0	-	-	-	-	-
South Korea [3]	2,038.7	297.8	258.4	297.8	397.9	5,469.4	.7	1.3	.3	(Z)
Spain	892.3	68.1	66.2	94.0	166.4	662.4	16.6	1.7	3.2	1.8
Sudan	155.1	12.3	24.6	25.3	26.5	1.3	(Z)	(Z)	-	-
Sweden	97.8	1.7	20.5	8.4	13.5	-	-	-	-	-
Switzerland	678.9	213.2	161.6	53.7	6.1	-	-	-	-	-
Thailand [3]	861.6	161.9	166.4	123.3	125.1	1,165.3	2.3	.9	.2	.2
Tunisia	96.2	24.7	86.6	158.3	28.6	40.3	(Z)	(Z)	(Z)	-
Turkey	978.5	150.4	306.0	392.0	295.8	3,129.8	4.3	3.1	.3	.2
United Kingdom	3,119.9	478.3	461.1	377.1	381.5	1,012.9	-	-	-	-
Uruguay	18.4	.7	.3	.7	.6	40.8	(Z)	(Z)	-	-
Venezuela	265.4	32.8	136.5	243.6	80.9	-	-	-	-	-
Vietnam [3]	1.2	-	-	-	-	14,773.9	-	-	-	-
West Germany	7,145.0	322.6	339.1	224.8	218.2	864.8	-	-	-	-
Yemen (Sanaa)	256.1	15.2	9.8	8.6	2.8	-	-	-	-	-
Yugoslavia	15.2	20.4	2.1	21.4	22.0	689.6	-	-	-	-
Zaire	72.0	6.7	4.8	11.4	8.4	23.3	(Z)	-	-	-
Other countries [3]	80.0	28.1	55.6	64.2	108.7	857.0	7.3	10.6	2.3	4.9
International organizations	815.2	111.5	208.9	124.6	79.9	1,601.4	-	-	-	-
General and regular costs	-	-	-	-	-	1,845.7	37.8	46.4	-	(Z)

- Represents zero. Z Less than $50,000. [1] Includes military construction sales deliveries. [2] Includes Section 506(a) drawdown authority for military assistance deliveries. [3] Includes MAP and MASF programs for military assistance deliveries.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales*, and *Military Assistance Facts*, annual.

Digitized by Google

No. 525. Summary of Major Military Forces: 1980 to 1985

[As of Sept. 30]

DESCRIPTION	1980	1984	1985
Army: Divisions	16	16	17
Maneuver battalions	168	155	159
Air defense battalions/batteries	154	135	127
Special forces groups	3	4	4
Aircraft, number	8,731	8,926	9,025
Navy: Ship operating force	538	639	669
Tactical air squadrons	61	63	63
Antisubmarine air squadrons [1]	22	24	24
Marine divisions	3	3	3
Navy—Con.			
Marine aircraft combat squadrons:			
Fixed-wing squadrons	30	31	35
Rotary-wing squadrons	24	28	33
Aircraft, number	4,861	5,002	5,039
Air Force: ICBM launchers	1,054	1,031	1,023
Selected aircraft squadrons	125	124	124
Strategic	26	21	21
Air defense	6	5	5
Tactical (excluding air-lift)	93	98	98
Aircraft, number [2]	10,116	10,297	10,427

[1] Does not include patrol squadrons. [2] Excludes foreign government-owned aircraft.

Source: U.S. Dept. of Defense, releases and unpublished data.

No. 526. Estimated U.S. Strategic Nuclear Forces: 1987

[**As of September 30.** Represents weapons with intercontinental range. U.S. strategic nuclear forces consist of three parts. Land-based intercontinental ballistic missiles (ICBMs), long-range bombers, and submarine-launched ballistic missiles (SLBMs). Together these three parts are known as the TRIAD]

LAUNCHER	Number	Warheads per launcher	Total warheads	Yield in megatons [1]	Total megatons	Equivalent megatons [2]	Availability [3]	Circular error probable [4] (feet)
Total	**2,023**	(X)	**11,861**	(X)	**3,114**	**3,447**	(X)	(X)
ICBMs, total	**1,000**	(X)	**2,289**	(X)	**1,046**	**1,277**	(X)	(X)
Minuteman II	450	1	450	1.2	540	508	.95	2,100
Minuteman III	523	3	1,569	17/.335	415	639	.95	600
Peacekeeper	27	10	270	.335	91	130	.95	300
SLBMs, total	**640**	(X)	**5,832**	(X)	**410**	**961**	(X)	(X)
Trident (C–4)	192	8	1,536	.1	154	331	.7	900
Poseidon (C–3)	256	10	2,560	.04	102	299	.62	1,500
Poseidon (C–4)	192	8	1,536	.1	154	331	.62	900
Bombers, total	**383**	(X)	**3,940**	(X)	**1,658**	**1,209**	(X)	(X)
B–52 G/H	116	4B/4S [5]	928	(NA)	557	259	.3	(NA)
B–52 G/H (cruise missile)	147	12	1,764	.2	353	603	.3	300
FB–111 [6]	56	2B/2S [5]	224	(NA)	134	62	.3	(NA)
B–1B	64	8B/8S [5]	1,024	(NA)	614	285	.3	(NA)

X Not applicable. [1] A megaton is the yield of a nuclear weapon equivalent to 1 million tons of TNT. [2] A commonly used measure of the urban area destructive power of a nuclear weapon. [3] Estimated for on-line weapons in peacetime alert. [4] A measure of the delivery accuracy of a weapon system. It is the radius of a circle around the target at which a missile is aimed within which the warhead has a .5 probability of falling. [5] B = Bomb; S = Short-Range Attack Missile. [6] Medium bombers.

No. 527. Estimated Soviet Union Strategic Nuclear Forces: 1987

[**As of March.** Represents weapons with intercontinental range]

LAUNCHER	Number	Warheads per launcher	Total warheads	Yield in megatons [1]	Total megatons	Equivalent megatons [2]	Availability [3]	Circular error probable [4] (feet)
Total	**2,671**	(X)	**10,388**	(X)	**5,844**	**6,920**	(X)	(X)
ICBMs total	**1,418**	(X)	**6,440**	(X)	**3,687**	**4,420**	(X)	(X)
SS–11	440	1	440	95	418	425	.85	3,600
SS–13	60	1	60	60	36	43	.85	6,100
SS–17	150	4	600	75	450	495	.95	1,200
SS–18	308	10	3,080	50	1,540	1,940	.95	700
SS–19	360	6	2,160	55	1,188	1,450	.95	1,300
SS–25	100	1	100	55	55	67	.85	800
SLBMs, total	**928**	(X)	**2,448**	(X)	**957**	**1,242**	(X)	(X)
SS–N–6	272	1	272	75	204	225	.4	4,200
SS–N–8	292	1	292	75	219	241	.4	4,900
SS–N–17	12	1	12	.5	6	8	.4	4,600
SS–N–18	224	3	672	5	336	423	(5)	3,000
SS–N–20	80	9	720	1	72	155	(5)	1,800
SS–N–23	48	10	480	.25	120	190	(5)	2,000
Bombers, total	**325**	(X)	**1,500**	(X)	**1,200**	**1,259**	(X)	(X)
Bear	100	4	400	1.0	400	400	(NA)	(NA)
Bear–H (cruise missile)	50	8	400	.25	100	159	(NA)	(NA)
Bison	15	4	60	1.0	60	60	(NA)	(NA)
Backfire	160	4	640	1.0	640	640	(NA)	(NA)

NA Not available. X Not applicable. [1] See footnote 1, table 526. [2] See footnote 2, table 526. [3] Estimated for on-line weapons in peacetime alert. [4] See footnote 4, table 526. [5] These longer-range SLBMs can reach the U.S. from Soviet ports, and would likely have a higher rate of availability.

Source of tables 526 and 527: The Congress of the United States, Congressional Budget Office, *Modernizing U.S. Strategic Offensive Forces: The Administration's Program and Alternatives*, May 1983; *Trident II Missiles: Capability, Costs, and Alternatives*, July 1986; and unpublished data.

Digitized by Google

No. 528. Department of Defense—Active Duty Military Personnel: 1940 to 1986

[As of end of fiscal year; see text, section 9]

YEAR	Total service (1,000)	Rate per 1,000 population [1]	YEAR	Total service (1,000)	Rate per 1,000 population [1]	YEAR	Total service (1,000)	Rate per 1,000 population [1]
1940	458	3.5	1956	2,806	16.6	1972	2,323	11.1
1941	1,801	13.5	1957	2,796	16.3	1973	2,253	10.6
1942	3,859	28.5	1958	2,601	14.9	1974	2,162	10.1
1943	9,045	65.9	1959	2,504	14.1	1975	2,128	9.9
1944	11,452	82.4	1960	2,476	13.7	1976	2,082	9.6
1945	12,123	86.3	1961	2,484	13.5	1977	2,075	9.4
1946	3,030	21.4	1962	2,808	15.0	1978	2,062	9.3
1947	1,583	10.9	1963	2,700	14.3	1979	2,027	9.0
1948	1,446	9.8	1964	2,687	14.0	1980	2,051	9.0
1949	1,615	10.8	1965	2,655	13.7	1981	2,083	9.1
1950	1,460	9.6	1966	3,094	15.7	1982	2,109	9.1
1951	3,249	21.0	1967	3,377	17.0	1983	2,123	9.0
1952	3,636	23.1	1968	3,548	17.7	1984	2,138	9.0
1953	3,555	22.2	1969	3,460	17.1	1985	2,151	9.0
1954	3,302	20.3	1970	3,066	14.9	1986	2,169	9.0
1955	2,935	17.7	1971	2,715	13.1			

[1] Based on Bureau of the Census estimated total population (including Armed Forces abroad) as of July 1

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

No. 529. Department of Defense Personnel, Payroll, and Military Retirees: 1950 to 1986

[Personnel: **As of end of fiscal year.** Payroll: **For fiscal year ending in year shown;** see text, section 9. Excludes "indirect hire" civilians, i.e., foreign nationals under special agreement by Defense Department with foreign country. See *Historical Statistics, Colonial Times to 1970*, series Y 904-916, for similar but not comparable personnel data]

YEAR	PERSONNEL (1,000)				PAYROLL [1] (bil. dol.)				MILITARY RETIREES	
	Total	Active duty, military		Direct hire civilian	Total	Active duty, military [2]		Direct hire civilian [3]	Number (1,000)	Pension payments (bil. dol.)
		Total	Percent			Total	Percent			
1950	2,213	1,460	66.0	753	8.2	5.3	64.6	2.9	132	(NA)
1955	4,122	2,935	71.2	1,187	13.6	9.1	65.9	4.7	180	(NA)
1960	3,524	2,476	70.3	1,047	15.1	9.3	61.6	5.8	256	(NA)
1965	3,689	2,655	72.0	1,034	18.5	11.4	61.6	7.1	481	(NA)
1970	4,260	3,066	72.0	1,194	30.7	19.4	63.2	11.3	773	2.5
1974	3,233	2,162	66.9	1,071	32.7	19.9	60.9	12.8	1,012	4.9
1975	3,170	2,128	67.1	1,042	34.0	20.2	59.4	13.8	1,073	6.1
1976	3,092	2,082	67.3	1,010	35.0	20.4	58.3	14.6	1,132	7.3
1977	3,057	2,075	67.9	982	36.8	21.0	57.1	15.8	1,200	8.2
1978	3,043	2,062	67.8	980	38.6	21.0	54.4	17.6	1,280	9.0
1979	2,988	2,027	67.8	960	40.9	22.7	55.5	18.2	1,286	10.3
1980	3,011	2,051	68.1	960	42.6	24.2	56.5	18.6	1,330	11.9
1981	3,067	2,083	67.9	984	48.1	28.1	58.4	20.0	1,363	13.7
1982	3,098	2,109	68.1	990	54.7	32.9	60.1	21.6	1,391	14.9
1983	3,150	2,123	67.4	1,026	50.4	27.7	55.0	22.7	1,419	15.9
1984	3,182	2,139	66.6	1,043	53.3	28.9	54.2	24.4	1,449	16.4
1985	3,236	2,151	66.5	1,085	54.6	29.8	54.6	24.8	1,479	17.0
1986	3,237	2,169	67.0	1,068	59.5	31.3	52.6	28.2	1,506	17.6

NA Not available. [1] Source: Beginning 1983, U.S. Dept. of Defense, *Atlas*; data not strictly comparable with earlier years. [2] Excludes troop subsistence, transportation, movement of personnel, etc. [3] Excludes benefits, etc.

Source: Except as noted: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and *Military Manpower Statistics*, monthly.

No. 530. Military Personnel on Active Duty, by Service: 1970 to 1986

[**In thousands.** As of **end of fiscal year;** see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard. Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970*, series Y 904-916]

BRANCH OF SERVICE	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	**3,066**	**2,127**	**2,081**	**2,074**	**2,061**	**2,024**	**2,050**	**2,082**	**2,109**	**2,123**	**2,139**	**2,151**	**2,169**
Percent officers	13.1	13.7	13.5	13.3	13.2	13.5	13.5	13.7	13.8	14.1	14.2	14.4	14.3
Army	1,322	784	779	782	771	758	777	781	780	780	780	781	781
Officers	166	103	98	97	97	97	98	101	103	106	108	110	110
Enlisted	1,156	681	681	685	674	661	679	680	677	674	672	671	671
Navy	692	535	524	530	530	522	527	540	553	558	566	572	581
Officers	81	65	64	63	62	62	63	65	67	68	69	71	72
Enlisted	612	470	461	467	468	460	464	475	486	490	496	501	509
Marine Corps	260	196	192	192	191	185	188	191	193	194	196	198	199
Officers	25	19	19	19	18	18	18	18	19	20	20	20	20
Enlisted	235	177	174	173	173	167	170	172	174	174	176	178	179
Air Force	791	612	585	570	569	559	558	570	583	592	597	602	608
Officers	130	105	100	96	95	96	98	99	102	105	106	108	109
Enlisted	662	507	486	474	474	463	460	471	481	487	491	493	499

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

Digitized by Google

NO. 531. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1970 TO 1986

[In thousands. 1970–1975 as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9]

YEAR	TOTAL		United States [3]	Foreign countries	YEAR	TOTAL		United States [3]	Foreign countries
	Shore-based [1]	Naval afloat [2]				Shore-based [1]	Naval afloat [2]		
1970	2,627	247	1,987	887	1979	1,824	204	1,569	458
1971	2,290	229	1,846	673	1980	1,840	211	1,562	488
1972	2,109	239	1,752	596	1981	1,869	214	1,581	502
1973	1,982	220	1,709	493	1982	1,880	229	1,580	526
1974	1,929	211	1,660	480	1983	1,889	234	1,604	519
1975	1,884	200	1,630	455	1984	1,908	230	1,628	510
1976	1,867	217	1,626	456	1985	1,920	231	1,636	516
1977	1,854	221	1,615	460	1986	1,929	240	1,644	526
1978	1,834	228	1,591	472					

[1] Includes Navy personnel temporarily on shore. [2] Includes Marine Corps. [3] Includes outlying areas.

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

NO. 532. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1970 TO 1986

[As of end of fiscal year; see text, section 9]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970	37,689	5,512	653	31,524	1982	38,248	6,431	902	30,915
1975	36,788	5,630	1,177	29,981	1983	39,706	6,535	811	32,362
1979	38,559	6,340	806	31,413	1984	38,705	6,790	759	31,156
1980	39,381	6,463	877	32,041	1985	38,595	6,775	733	31,087
1981	39,760	6,519	981	32,260	1986	37,284	6,577	754	29,953

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation.*

NO. 533. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1957 TO 1986

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957–1986, total	1957–1964	1965	1966	1967	1968	1969	1970	1971	1972	1973–1986
Military forces	1,000	(x)	[1] 23.3	184.3	385.3	485.6	536.1	475.2	234.6	156.8	24.2	-
Battle deaths [2]	Number	47,378	279	1,432	5,047	9,463	14,623	9,426	4,230	1,376	361	1,141
Killed	Number	38,530	197	1,124	4,142	7,525	12,624	8,117	3,486	1,082	205	28
Died of wounds	Number	5,196	10	111	579	979	1,598	1,168	555	160	28	8
Died while missing [3]	Number	3,652	72	197	326	959	401	141	189	134	128	1,105

- Represents zero. X Not applicable. [1] For 1964 only. [2] Casualties from enemy action. Deaths exclude 10,752 servicemen who died in accidents or from disease. [3] Includes servicemen who died while captured.

Source: National Archives and Records Administration, "Combat Area Casualty File," (3–330–80–3).

NO. 534. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 533 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970*, series Y 856–903]

ITEM	Unit	Civil War [1]	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving	1,000	2,213	307	4,744	[2] 16,354	[2] 5,764	[4] 8,811
Average duration of service	Months	20	8	12	33	19	23
Service abroad: Personnel serving	Percent	(NA)	[3] 29	53	73	[5] 56	(NA)
Average duration [7]	Months	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: [6] Battle deaths	1,000	140	(Z)	53	292	34	[4] 47
Wounds not mortal	1,000	282	2	204	671	103	[5] 304
Draftees: Classified	1,000	777	(x)	24,234	36,677	9,123	[4] 75,717
Examined	1,000	522	(x)	3,764	17,955	3,685	[4] 8,611
Rejected	1,000	160	(x)	803	6,420	1,189	[4] 3,880
Inducted	1,000	46	(x)	2,820	10,022	1,580	[4] 1,759

NA Not available. X Not applicable. Z Fewer than 500. [1] Union forces only. Estimates of the number serving in Confederate forces range from 600,000 to 1.5 million. [2] Covers Dec. 1, 1941, to Dec. 31, 1946. [3] Covers June 25, 1950, to July 27, 1953. [4] Covers Aug. 4, 1964, to Jan. 27, 1973. [5] Army and Marines only. [6] Excludes Navy. Covers July 1950 through Jan. 1955. Far East area only. [7] During hostilities only. [8] For periods covered, see footnotes 2, 3, and 4. [9] Covers Jan. 1, 1961, to Jan. 27, 1973.

Source: The President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. I, 1956; and U.S. Dept. of Defense, unpublished data.

Digitized by Google

No. 535. Enlisted Military Personnel Accessions: 1980 to 1986

[In thousands. For years ending Sept. 30]

Branch of service	1980	1984	1985	1986
Total	582	549	529	551
First enlistments	356	305	287	299
Reenlistments	204	224	216	226
Reserves to active duty	22	20	26	26
Army	285	220	200	216
First enlistments	163	134	117	127
Reenlistments	97	86	84	89
Navy	127	122	117	123
First enlistments	75	69	67	70
Reenlistments	36	53	50	53
Marine Corps	58	62	54	56
First enlistments	42	41	36	35
Reenlistments	15	21	19	20
Air Force	132	126	132	131
First enlistments	76	62	68	67
Reenlistments	56	64	64	64

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and *Military Manpower Statistics*, monthly.

No. 536. Reserve Officers Training Corps (ROTC)—Enrollment: 1970 to 1986

[In thousands. For **May**, or **end of school year**. Jr. ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Jr. ROTC in all service branches]

Item	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Senior ROTC	123	60	56	61	66	76	80	84	91	100	103	99	111	99	97
Junior ROTC	126	140	155	164	158	152	156	144	166	158	191	176	212	216	218

Source: U.S. Dept. of Defense, unpublished data.

No. 537. Military Personnel on Active Duty by Grade in Which Serving: 1983 to 1986

[In thousands. As of **Sept. 30**]

Rank/grade	1983	1984	1985	1986
Total [1]	2,123.3	2,138.2	2,151.0	2,169.1
Recruit—E-1	136.7	129.8	127.6	132.6
Private—E-2	143.5	137.2	140.6	148.7
Pvt. 1st class—E-3	371.4	368.1	336.3	328.6
Corporal—E-4	413.2	424.0	444.4	443.9
Sergeant—E-5	347.2	351.2	356.2	361.1
Staff Sgt.—E-6	222.1	231.7	237.8	241.6
Sgt. 1st class—E-7	124.8	126.9	131.9	133.4
Master Sgt.—E-8	38.2	37.9	38.5	39.0
Sgt. Major—E-9	14.0	14.3	15.1	15.5
Warrant Officer—W-1	3.7	2.7	2.4	2.2
Chief Warrant—W-2	7.5	8.9	9.4	9.5
Chief Warrant—W-3	5.6	5.5	5.2	4.9
Chief Warrant—W-4	2.3	2.8	3.2	3.3
2nd Lt.—O-1	38.5	39.5	39.7	39.2
1st Lt.—O-2	43.1	41.6	42.7	44.4
Captain—O-3	98.3	101.7	104.4	104.7
Major—O-4	51.5	52.3	53.3	54.4
Lt. Colonel—O-5	32.5	32.6	32.8	32.7
Colonel—O-6	14.5	14.6	14.7	14.6
Brig. General—O-7	.5	.5	.5	.5
Major General—O-8	.4	.4	.4	.4
Lt. General—O-9	.1	.1	.1	.1
General—O-10	(Z)	(Z)	(Z)	(Z)

Z Less than 50. [1] Includes cadets and midshipmen.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual.

No. 538. Monthly (January) Rates of Military Basic Pay: 1984 to 1987

Pay grade and years of service [1]	1984	1985	1986 [2]	1987
Recruit—E-1 (0-2)	$596	$620	$639	$658
Private—E-2 (0-2)	669	695	716	738
Pvt. 1st class—E-3 (0-2)	695	723	745	767
Corporal—E-4 (2-3)	779	810	835	860
Sergeant—E-5 (4-6)	942	980	1,009	1,040
Staff Sgt.—E-6 (12-14)	1,250	1,300	1,339	1,379
Sgt. 1st Class—E-7 (18-20)	1,523	1,584	1,631	1,680
Master Sgt.—E-8 (20-22)	1,748	1,818	1,873	1,929
Sgt. Major—E-9 (22-26)	2,100	2,184	2,249	2,317
Warrant Officer—W-1 (10-12)	1,438	1,495	1,540	1,586
Chief Warrant—W-4 (26-30)	2,627	2,732	2,814	2,898
2d Lt.—O-1 (0-2)	$1,143	$1,189	$1,224	$1,261
1st Lt.—O-2 (2-3)	1,438	1,495	1,540	1,586
Captain—O-3 (6-8)	2,092	2,176	2,241	2,308
Major—O-4 (14-16)	2,648	2,754	2,836	2,921
Lt. Colonel—O-5 (20-22)	3,282	3,413	3,516	3,621
Colonel—O-6 (26-30)	4,163	4,330	4,460	4,593
Brig. General—O-7 (26-30)	4,738	4,928	5,075	5,228
Maj. General—O-8 (26-30)	5,450	5,667	[3] 5,725	[3] 5,900
Lt. General—O-9 (26-30)	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900
General—O-10 (26-30)	[3] 5,500	[3] 5,725	[3] 5,725	[3] 5,900

[1] Longevity pay step of typical military member. [2] As of October 1985. [3] Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, unpublished data.

Digitized by Google

NO. 539. DISCHARGES, DESERTION AND ABSENT-WITHOUT-AUTHORITY RATES FOR MILITARY PERSONNEL: 1970 TO 1986

[For fiscal year ending in year shown; see text, section 9. Rate per 1,000 average end-of-month strength]

YEAR	Total discharges	Honorable [1] [2]	General [1] [3]	Other than honorable [1] [4]	Bad conduct [5] [6]	Dishonorable [6] [7]	Desertion rate [8]	Absent-without-authority rate [9]
1970	1,136,140	1,081,556	29,334	20,911	3,964	375	33.6	86.3
1975	682,952	603,058	48,999	27,015	3,587	293	26.3	86.6
1980	541,558	499,950	23,541	15,553	2,242	272	17.9	46.8
1981	530,718	481,684	27,399	17,615	3,633	387	14.7	42.3
1982	523,014	466,866	33,294	18,071	4,653	330	10.9	34.3
1983	[10] 531,398	447,511	35,582	23,176	5,757	138	6.7	22.4
1984	[10] 517,897	423,660	32,194	24,883	5,617	268	6.5	20.8
1985	[10] 505,640	426,244	27,639	20,627	4,939	287	6.3	17.1
1986	[10] [11] 512,462	[11] 426,931	[11] 26,581	[11] 21,790	[11] 3,198	[11] 646	6.2	16.8

[1] Administrative discharge. [2] Based on proper military behavior and proficient performance of duty; honest and faithful service. [3] Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. [4] Unsatisfactory service (misconduct, security or resignation/request for discharge). [5] Punitive, resulting from trial by court-martial. [6] Usually punishment for repeated convictions of minor offenses or less serious felony type offense. [7] Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. [8] Absent without authority more than 30 days. [9] For 30 days or less. [10] Includes uncharacterized discharges, not shown separately. [11] Preliminary.

Source: U.S. Dept. of Defense, unpublished data.

NO. 540. MILITARY RESERVE PERSONNEL: 1970 TO 1986

[In thousands. As of end of fiscal year; see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total reserves	**3,639**	**2,656**	**2,249**	**2,118**	**2,109**	**2,169**	**2,267**	**2,250**	**2,295**	**2,310**	**2,370**	**2,434**
Ready reserve	2,574	1,529	1,183	1,144	1,203	1,263	1,317	1,359	1,419	1,491	1,566	1,613
Standby reserve	492	412	274	183	103	86	85	52	44	44	44	41
Retired reserve	573	715	792	791	803	821	885	839	832	775	760	780
Army	2,221	1,631	1,243	1,178	1,173	1,218	1,337	1,360	1,408	1,428	1,481	1,508
Navy	808	521	476	435	427	438	436	415	423	425	431	464
Air Force	610	504	530	506	509	514	494	476	463	457	459	462

Source: U.S. Dept. of Defense, *Official Guard and Reserve manpower strengths and statistics*, quarterly.

NO. 541. MILITARY RESERVE COSTS: 1970 TO 1986

[In millions of dollars. As of end of fiscal year; see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	2,547	4,789	6,881	7,049	7,877	9,870	10,370	12,073	15,544	19,439	19,631
Operations and maintenance	994	2,092	2,718	2,951	3,526	4,164	4,716	5,137	5,128	5,734	5,770
Personnel	1,083	1,679	1,932	2,031	2,359	3,012	3,776	4,633	3,757	7,704	8,500
Procurement	187	518	1,689	1,506	1,463	1,955	1,008	1,627	5,923	5,003	4,383
Active-duty support	234	324	365	389	408	506	556	386	433	591	607
Construction	49	176	176	172	122	233	314	291	303	408	371

Source: U.S. Dept. of Defense, unpublished data.

NO. 542. NATIONAL GUARD—SUMMARY: 1970 TO 1986

[As of end of fiscal year; see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Army National Guard: Units	Number	3,052	3,245	3,368	3,379	3,359	3,462	3,429	4,351	4,353	4,464
Personnel [1]	1,000	410	403	347	368	391	409	418	434	438	450
Funds obligated [2]	Mil. dol.	752	1,322	1,654	1,802	2,189	2,708	2,980	3,093	4,367	4,820
Value of equipment	Mil. dol.	1,600	4,100	7,600	7,600	8,100	8,600	13,100	14,300	18,800	19,700
Air National Guard: Units	Number	958	1,106	1,020	1,054	1,054	1,080	1,185	1,202	1,184	1,200
Personnel [1]	1,000	90	96	93	97	98	101	102	105	109	113
Funds obligated [2]	Mil. dol.	467	890	1,250	1,678	1,957	2,268	2,478	2,466	2,813	2,807
Value of equipment (est.)	Mil. dol.	(NA)	3,100	4,800	5,200	6,000	5,900	6,300	[3] 17,500	[3] 21,400	[3] 26,100

NA Not available. [1] Officers and enlisted men. [2] Federal funds; includes personnel, operations, maintenance, and military construction. [3] Increase due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

Digitized by Google

No. 543. Living Veterans—States and Other Areas: 1970 to 1986

[Estimates in thousands. As of end of fiscal year; see text, section 9. Data were developed from benchmark veteran population statistics as of April 1, 1980, based on 1980 Census of Population data on veteran's place of residence, extended to later years on the basis of 1975–1980 veteran interstate migration statistics from the 1980 census; not directly comparable with earlier estimates previously published by the VA. Excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only. Detail may not add to total shown due to rounding]

Year and state or other area	Total veterans [1]	War veterans							Service between Korea and Vietnam only	Post-Vietnam era [5]
		Total [2]	World War I	World War II [3]	Korean conflict		Vietnam era			
					Total [3] [4]	No service in World War II	Total [4]	No service in Korean conflict		
1970	26,978	23,160	1,425	13,867	5,440	4,167	4,100	3,618	3,173	(x)
1980	26,640	23,985	461	11,720	5,434	4,331	8,118	7,453	3,086	1,120
1981	26,563	23,716	404	11,491	5,393	4,308	8,175	7,513	3,076	1,320
1982	26,399	23,421	348	11,241	5,346	4,260	8,210	7,551	3,064	1,479
1983	26,202	23,109	297	10,978	5,294	4,249	8,238	7,584	3,051	1,623
1984	26,027	22,782	250	10,700	5,237	4,215	8,263	7,616	3,037	1,803
1985	27,732	22,274	206	10,346	5,135	4,143	8,215	7,578	3,009	2,058
1986, total	[6] 27,882	[6] 22,017	171	10,076	5,105	4,134	8,264	7,636	3,004	2,283
United States	27,557	21,920	170	10,046	5,070	4,102	8,229	7,602	2,993	2,267
Alabama	409	325	2	147	85	66	122	106	44	34
Alaska	69	54	(z)	14	11	9	33	31	9	6
Arizona	402	323	2	155	75	54	127	112	38	36
Arkansas	267	210	2	101	48	37	79	71	26	25
California	2,879	2,323	18	1,051	584	434	907	821	311	200
Colorado	400	317	2	119	76	59	154	138	44	34
Connecticut	398	321	2	156	75	63	103	99	47	26
Delaware	78	62	(z)	28	14	11	23	21	8	7
District of Columbia	60	48	(z)	24	12	9	18	14	6	6
Florida	1,461	1,196	13	655	280	192	399	335	124	113
Georgia	649	504	2	203	123	95	228	203	69	86
Hawaii	102	81	(z)	33	21	16	37	32	11	9
Idaho	117	93	1	39	22	17	39	36	13	10
Illinois	1,276	1,014	8	477	223	197	348	336	148	97
Indiana	654	503	4	215	114	100	190	184	76	67
Iowa	340	272	3	115	59	53	103	100	36	29
Kansas	289	234	3	106	52	43	89	82	31	21
Kentucky	374	298	3	134	66	58	110	103	41	29
Louisiana	436	343	2	153	77	61	137	126	46	40
Maine	154	123	1	55	26	23	47	43	16	14
Maryland	535	423	2	189	107	82	165	149	60	45
Massachusetts	695	560	5	285	127	105	173	164	76	51
Michigan	1,040	807	6	344	173	156	310	302	119	102
Minnesota	501	395	4	161	88	77	156	152	61	41
Mississippi	236	186	1	91	47	37	86	57	24	21
Missouri	637	506	4	229	119	99	185	174	66	55
Montana	107	85	1	35	18	15	36	34	12	9
Nebraska	188	150	2	64	36	31	57	53	21	15
Nevada	136	109	–	46	29	21	47	41	17	10
New Hampshire	140	111	1	47	26	21	46	42	16	13
New Jersey	898	721	5	369	166	143	214	204	105	59
New Mexico	170	135	1	58	32	24	59	59	16	17
New York	1,886	1,501	13	761	328	292	447	435	208	150
North Carolina	680	541	3	248	127	104	207	186	69	60
North Dakota	73	57	(z)	22	12	11	24	23	9	7
Ohio	1,320	1,034	7	478	221	194	368	355	146	123
Oklahoma	402	325	3	140	75	58	136	124	41	30
Oregon	355	285	3	122	59	47	119	112	39	27
Pennsylvania	1,541	1,235	9	623	266	228	390	375	173	114
Rhode Island	121	99	1	51	23	18	32	30	12	9
South Carolina	351	277	1	122	69	52	117	101	36	32
South Dakota	79	63	1	26	16	14	22	21	9	7
Tennessee	527	416	3	182	94	78	166	153	56	47
Texas	1,781	1,409	8	589	325	250	623	562	190	157
Utah	154	125	1	52	28	23	52	49	17	11
Vermont	64	49	(z)	21	11	9	20	19	7	7
Virginia	671	530	3	235	146	104	226	189	71	61
Washington	595	476	4	194	114	84	217	194	66	46
West Virginia	227	182	2	85	39	33	67	63	23	16
Wisconsin	569	440	4	187	95	84	189	165	72	51
Wyoming	60	48	(z)	17	10	9	23	22	7	4
Puerto Rico	125	96	1	30	35	32	35	34	12	16

– Represents zero. X Not applicable. Z Fewer than 500. [1] Beginning 1980, includes peacetime veterans not shown separately, who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. [2] Veterans who served in both World War II and the Korean conflict, or in both the Korean conflict and the Vietnam era, are counted only once. [3] Includes 971,000 who served in both World War II and the Korean conflict. [4] Includes 629,000 who served in both the Korean conflict and the Vietnam era. [5] Service only after May 7, 1975. [6] There are also 5 living Spanish-American War veterans whose median age is 103 years, and 63 living Mexican Border conflict veterans.

Source: U.S. Veterans Administration, unpublished data.

Digitized by Google

No. 544. Living Veterans, by Age and Period of Service: 1986

[In thousands, except as indicated. As of Sept. 30. Estimated. Includes Puerto Rico. See headnote, table 543. See *Historical Statistics, Colonial Times to 1970*, series Y 943–956, for all veterans]

Age in 1985	Total veterans	World War I	World War II [1]	Korea			Peacetime service between Korea and Vietnam only	Vietnam			Post-Vietnam era peacetime [2]	Other peacetime [3]
				Total [1] [2]	Only in Korea	Also in WW II		Total [2]	Only in Vietnam	Also in Korea		
All ages [4]	27,882	171	10,076	5,105	4,134	971	3,004	8,264	7,636	629	2,283	378
Under 24 years	381	–	–	–	–	–	–	–	–	–	381	–
25–29 years	1,288	–	–	–	–	–	–	130	130	–	1,158	–
30–34 years	1,731	–	–	–	–	–	–	1,180	1,180	–	551	–
35–39 years	3,201	–	–	–	–	–	16	3,059	3,059	–	123	–
40–44 years	2,937	–	–	–	–	–	491	2,411	2,411	–	34	–
45–49 years	2,420	–	–	166	166	–	1,555	702	679	23	21	–
50–59 years	6,387	–	1,319	4,075	3,823	252	922	557	164	393	14	145
60 years and over	9,337	171	6,757	864	148	716	19	226	11	215	–	234
Median age (yr.) [5]	53.4	89.8	65.1	55.8	55.0	63.2	48.3	39.7	39.3	54.2	28.4	65.8

– Represents zero. [1] Includes 971,000 who served in both WW II and Korean Conflict. [2] Includes 629,000 who served in both the Korean Conflict and the Vietnam Era. [3] Service only after May 7, 1975. [4] Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean Conflict. [5] There are also 5 living Spanish-American War veterans whose median age is 103 years, and 63 living Mexican Border Conflict veterans. [6] Computed from data by single year of age.

No. 545. Disabled Veterans Receiving Compensation: 1970 to 1986

[In thousands, except as indicated. As of end of fiscal year; see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent]

Military service	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Disabled, all periods [1]	2,092	2,220	2,266	2,274	2,279	2,275	2,263	2,251	2,240	2,225
Peace-time	185	194	240	262	284	302	319	335	352	367
World War I [1]	85	55	34	30	25	22	18	15	12	10
World War II	1,416	1,309	1,218	1,193	1,166	1,140	1,111	1,080	1,049	1,015
Korea	239	240	237	236	234	231	229	226	223	220
Vietnam	167	423	537	553	568	579	587	595	604	613
Totally disabled, all periods [1]	124	123	121	121	136	138	139	137	136	133
Peace-time	16	16	19	20	23	24	25	25	26	26
World War I [1]	11	6	3	3	2	2	2	1	1	1
World War II	63	58	53	51	58	57	58	58	54	51
Korea	16	16	16	16	18	18	17	17	17	16
Vietnam	16	26	30	31	36	37	37	38	38	39
Compensation (mil. dol.)	2,393	3,797	5,554	6,104	6,939	7,594	8,007	8,041	8,270	8,379

[1] Includes Spanish-American War and Mexican Border service, not shown separately.

Source of tables 544 and 545: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 546. Veterans Benefits—Expenditures, by Program: 1970 to 1986

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. All data are on an accrued expenditure basis]

Program	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total [1]	10,201	18,003	22,178	23,167	25,203	26,937	28,196	28,494	30,119	31,566
Compensation and pensions [2]	5,330	7,551	10,540	11,257	12,492	13,348	13,881	13,942	14,234	14,399
Educational assistance and readjustment benefits	1,047	4,529	2,800	2,383	2,333	2,001	1,878	1,043	1,169	907
Post-Korean veterans education [3]	939	4,165	2,450	2,068	1,998	1,474	1,394	1,148	912	849
Dependents' educational assistance	52	183	204	194	205	197	172	154	145	123
Vocational rehabilitation	42	73	96	88	114	117	116	110	107	103
Automobiles, etc., for disabled veterans	6	17	12	12	12	12	13	13	15	16
Grants for special adaptive housing	6	14	23	19	16	17	14	13	16	14
Changes in receivables	1	97	15	2	14	180	−32	−35	−26	−198
Medical services and administ. expenses	2,009	3,919	6,206	6,647	7,199	6,009	8,722	9,123	9,992	10,269
Hospital and domiciliary construction [4]	75	136	293	342	456	481	456	486	557	567
Insurance and indemnities	1,181	1,345	1,433	1,637	1,693	1,701	1,694	1,750	1,853	2,008
Loan guaranty revolving fund	249	423	453	445	553	825	1,187	1,511	1,526	2,667
Direct loans	180	84	57	49	19	10	8	8	8	9
Miscellaneous expenditures	131	17	396	427	459	562	567	631	679	728

[1] Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. [2] Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid lifts, headstones and markers, and other expenses. [3] Includes post-Vietnam veterans. [4] Includes National Cancer Institute expenditures (transfer to Veterans Administration). [5] Includes construction grants for State extended care facilities. 1975 and later years include expenditures for health manpower training facilities.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

Digitized by Google

NO. 547. VETERANS BENEFITS—EXPENDITURES FROM APPROPRIATED FUNDS, BY WAR: TOTAL AND 1940 TO 1986

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Veterans Administration and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 971–983]

PERIOD OR YEAR	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean Conflict [1]	Service between Korea and Vietnam only	Vietnam [2]	Peacetime
Total	**[3] 441,817**	**192**	**8,574**	**5,897**	**72,337**	**206,814**	**39,890**	**10,236**	**76,270**	**23,501**
To 1939	[3] 18,914	147	6,356	1,537	8,557	(x)	(x)	(x)	(x)	198
1940–1944	3,016	14	102	663	1,840	281	(x)	(x)	(x)	116
1945–1949	27,139	11	49	798	2,783	23,317	(x)	(x)	(x)	161
1950–1954	25,564	7	28	821	4,638	16,878	823	(x)	(x)	369
1955–1959	24,723	5	15	696	6,835	10,956	5,874	(x)	(x)	542
1960–1964	28,466	2	13	528	9,365	13,421	4,142	(x)	(x)	995
1965–1969	34,673	(Z)	6	334	9,646	16,732	3,656	1,569	1,331	1,399
1970–1974	57,154	3	5	229	9,584	23,474	4,707	3,496	13,676	1,980
1975–1979	96,085	2	(Z)	192	10,256	40,397	8,013	4,029	30,805	4,391
1980–1984	122,712	(Z)	(Z)	102	9,198	58,088	12,387	1,710	30,097	11,129
1970	6,905	(Z)	1	54	1,944	3,881	898	481	1,328	316
1971	10,240	(Z)	1	51	1,917	4,317	865	648	2,063	358
1972	11,314	1	1	45	1,960	4,699	905	728	2,571	364
1973	12,817	1	1	40	1,906	5,138	998	791	3,535	415
1974	13,878	1	1	39	1,835	5,439	1,051	848	4,159	505
1975	16,419	1	(Z)	38	1,897	6,196	1,219	1,089	5,392	587
1976	18,798	1	(Z)	39	1,861	7,024	1,376	1,246	6,509	740
1977 [4]	23,063	(Z)	(Z)	45	2,401	9,616	1,900	617	7,447	1,037
1978	19,529	(Z)	(Z)	35	2,001	6,421	1,666	532	5,902	952
1979	20,276	(Z)	(Z)	35	2,096	9,140	1,830	545	5,555	1,075
1980	21,299	(Z)	(Z)	36	2,063	9,841	2,044	614	5,463	1,238
1981	22,863	(Z)	(Z)	18	1,727	10,656	2,309	528	5,889	1,736
1982	24,358	(Z)	(Z)	18	1,653	11,469	2,596	568	6,085	1,966
1983	25,914	(Z)	(Z)	18	1,543	12,024	2,753	(5)	6,291	[5] 3,287
1984	26,280	(Z)	(Z)	14	2,212	14,098	2,685	(5)	6,369	[5] 2,902
1985	27,540	1	(Z)	15	1,288	12,539	3,084	(5)	6,446	[5] 4,167
1986	28,900	2	(Z)	13	1,245	12,652	3,191	(5)	7,222	[5] 4,575

X Not applicable. Z Less than $500,000. [1] June 27, 1950 to Jan. 31, 1955. [2] Service from Aug. 5, 1964, to May 7, 1975. [3] Includes $70 million for the Revolutionary War and $49 million for the War of 1812. [4] 15 months ending Sept 30. [5] Peacetime combined with service between Korea and Vietnam only.

Source: U.S. Veterans Administration, unpublished data.

NO. 548. VETERANS COMPENSATION AND PENSION BENEFITS—NUMBER ON ROLLS AND AVERAGE PAYMENT, BY PERIOD OF SERVICE AND STATUS: 1980 TO 1986

[As of **Sept. 30.** Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 998–999]

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)						AVERAGE PAYMENT (annual basis) [1]					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Total	4,646	4,407	4,286	4,123	4,006	3,899	$2,370	$2,981	$3,197	$3,335	$3,505	$3,647
Living veterans	3,195	3,099	3,044	2,980	2,931	2,883	2,600	3,244	3,450	3,594	3,666	3,720
Service connected	2,273	2,275	2,263	2,251	2,240	2,225	2,669	3,339	3,538	3,573	3,692	3,756
Nonservice connected	922	824	781	730	690	658	2,428	2,982	3,193	3,416	3,581	3,600
Deceased veterans	1,451	1,308	1,242	1,143	1,075	1,016	1,863	2,356	2,576	2,813	3,066	3,288
Service connected	358	350	346	342	336	331	3,801	4,859	5,276	5,471	5,836	6,144
Nonservice connected	1,093	957	896	801	739	685	1,228	1,440	1,533	1,680	1,809	1,908
Prior to World War I	14	11	9	8	7	6	1,432	1,624	1,685	1,777	1,855	1,908
Living	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	2,634	3,183	3,440	4,031	4,436	5,388
Deceased	14	11	9	8	7	6	1,403	1,596	1,658	1,749	1,822	1,872
World War I	692	571	515	435	361	334	1,883	1,981	2,077	2,276	2,461	2,532
Living	196	139	114	87	68	57	2,669	3,336	3,568	4,009	4,439	4,476
Deceased	494	432	401	348	313	281	1,288	1,547	1,653	1,841	2,029	2,160
World War II	2,520	2,353	2,273	2,180	2,097	2,020	2,307	2,866	3,061	3,172	3,317	3,408
Living	1,849	1,745	1,691	1,631	1,575	1,518	2,462	3,057	3,246	3,331	3,460	3,504
Deceased	671	608	582	549	522	502	1,880	2,321	2,523	2,697	2,886	3,096
Korean conflict [2]	446	428	419	407	399	395	2,691	3,466	3,742	3,918	4,114	4,248
Living	317	315	313	311	309	308	2,977	3,764	4,013	4,119	4,260	4,344
Deceased	129	113	105	96	90	87	1,990	2,630	2,933	3,265	3,615	3,912
Peace-time	312	353	370	387	404	419	3,080	3,729	3,901	3,895	3,973	3,996
Living	262	302	319	335	352	367	2,828	3,398	3,545	3,528	3,589	3,888
Deceased	50	51	52	52	52	52	4,399	5,697	6,118	6,265	6,577	6,468
Vietnam era [3]	662	691	700	707	716	726	2,795	3,532	3,783	3,864	4,021	4,126
Living	569	598	607	616	626	637	2,709	3,417	3,654	3,714	3,849	3,936
Deceased	93	93	93	91	90	89	3,324	4,273	4,621	4,880	5,220	5,460

Z Fewer than 500. [1] Averages calculated by multiplying average monthly payment by 12. [2] Service during period June 27, 1950, to Jan. 31, 1955. [3] Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

Digitized by Google

No. 549. Veterans Administration Health Care Summary: 1980 to 1986

[For years ending Sept. 30]

ITEM	Unit	1980	1985	1986
Facilities operating:				
Hospitals	Number	172	172	172
Domiciliaries	Number	16	16	16
Outpatient clinics	Number	226	226	228
Nursing home units	Number	92	115	117
Employment [1]	1,000	194	203	200
Obligations [2]	Mil. dol	6,215	9,258	9,544
Medical care	Mil. dol	5,972	8,936	9,275
Research in health care	Mil. dol	138	227	186
Prescriptions dispensed	Million	36.7	48.1	52.1
Laboratory procedures	Million	215	173	183
Radiology examinations	Million	5.7	5.4	5.5
Inpatients treated [3]	1,000	1,359	1,435	1,462
VA facilities	1,000	1,275	1,339	1,365
Other facilities	1,000	84	96	97
Average daily inpatients [4]	1,000	105	100	99
VA facilities	1,000	84	75	73
Other facilities	1,000	21	25	26
Outpatient medical visits	Million	18.0	19.6	20.2
VA staff	Million	15.8	17.8	18.5
Fee-basis	Million	2.2	1.8	1.7

[1] Net full-time equivalent. [2] 1980, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately. [3] Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers. [4] Patients receiving hospital care, or nursing bed care.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs, Directory of VA Facilities*, and unpublished data.

No. 550. Veterans Assistance to Persons in Education and Training Programs: 1975 to 1986

[In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year]

PROGRAM	1975	1979	1980	1981	1982	1983	1984	1985	1986
Post-Korea Education Assistance [1]	2,692	1,279	1,107	949	778	644	528	402	308
Institutions of higher education	1,693	968	842	736	620	517	421	326	257
Resident schools other than college	420	175	149	122	98	88	78	54	35
Correspondence schools	387	51	42	35	21	13	10	7	6
On-the-job training	192	84	74	55	38	25	19	15	9
Children's Educational Assistance	71.4	85.7	82.6	82.6	80.3	70.9	63.6	55.3	48.4
Institutions of higher education	64.7	77.9	75.5	74.6	72.1	63.7	57.1	50.0	43.9
Schools other than college	6.3	7.2	6.5	7.5	7.8	7.0	6.2	5.2	4.3
Special restorative training	.1	.1	.1	.1	(Z)	(Z)	.1	(Z)	(Z)
On-the-job training	.4	.5	.5	.4	.3	.2	.2	.2	.1
Spouses, Widows/Widowers Educational Assistance Program	16.5	17.3	13.0	11.9	10.6	8.8	7.6	6.6	5.9
Institutions of higher education	12.2	14.0	10.8	10.1	9.0	7.5	6.5	5.7	5.0
Schools other than college	4.3	3.2	2.2	1.8	1.6	1.3	1.1	1.0	.9
On-the-job training [2]	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Vocational Rehabilitation Program for Disabled Veterans	[3] 24.8	29.5	25.5	29.8	30.9	30.6	29.0	26.9	25.8
Institutions of higher education	18.5	21.7	18.9	21.7	22.1	21.9	(NA)	(NA)	(NA)
Schools other than college	4.9	6.5	5.6	7.0	7.5	7.5	(NA)	(NA)	(NA)
On-the-job training	1.3	1.1	1.0	1.0	.9	.8	(NA)	(NA)	(NA)
Institutional on-farm	.2	.1	.1	.1	.1	.1	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 50. [1] Includes some Post-Vietnam veterans. [2] Includes special restorative training. [3] Estimated.

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*, and unpublished data.

No. 551. Veterans Guaranteed and Insured Loans: 1970 to 1986

[For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Number of loans	1,000	186.2	290.2	364.6	297.4	187.6	103.4	245.1	251.6	178.9	313.8
Home	1,000	186.2	288.2	357.8	289.2	178.2	92.9	231.6	238.5	170.0	307.4
Amount of loans	Mil. dol	3,683	8,091	16,043	14,815	10,008	5,542	14,670	15,612	11,452	21,966
Home	Mil. dol	3,682	8,072	16,926	14,653	9,822	5,332	14,389	15,333	11,263	21,833
Guaranty and insurance	Mil. dol	1,971	3,702	7,342	6,370	4,248	2,292	5,736	6,034	4,363	7,896
Home	Mil. dol	1,971	3,096	7,284	6,269	4,155	2,187	5,596	5,895	4,269	7,830

Source: U.S. Veterans Administration, *Annual Report of Administrator of Veterans Affairs*.

Digitized by Google



Section 12

Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental programs for old- age, survivors, disability, and health insurance (OASDHI); governmental and railroad employee retirement; Individual Retirement Account, Keogh account and private pension plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy; child and other welfare services; and Federal food programs. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS) monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Data on the Medicare and Medicaid programs appear periodically in the Health Care Financing Administration's *Health Care Financing Review* (quarterly), *Health Care Financing Notes*, and *Health Care Financing Program Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Social Security Administration's monthly publication, *Public Assistance Statistics*.

Social Insurance under the Social Security Act.—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is generally payable on the death of an insured worker to a spouse or minor children.

Since July 1966, the Federal "Medicare" program has provided two coordinated plans for nearly all people age 65 and over: (1) A hospital insurance plan which covers hospital and related services and (2) a voluntary supplementary medical insurance plan, financed partially by monthly premiums paid by participants, which partly covers physicians' and related medical services. Since July 1973, such insurance also applies to disabled beneficiaries of any age after 24 months of eligibility and to persons with chronic kidney disease.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 563). Tax receipts and benefit payments are administered through Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-service members and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and related cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who

Digitized by Google

have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first $7,000 in wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

Retirement Programs for Government Employees.—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

Workers' compensation.—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities.

Under Medicaid, all States (except Arizona) offer basic health services to eligible low-income persons. The cost of providing these services is shared by the Federal Government, but each State determines its own eligibility criteria and may set benefits above the minimum established by Federal law. Almost all recipients of cash welfare programs are automatically eligible. In addition, 31 States extend Medicaid to families that satisfy all but the income requirements for welfare and that either have incomes which meet State definitions of "medically needy" or incur medical expenses which lower their incomes to medically needy levels.

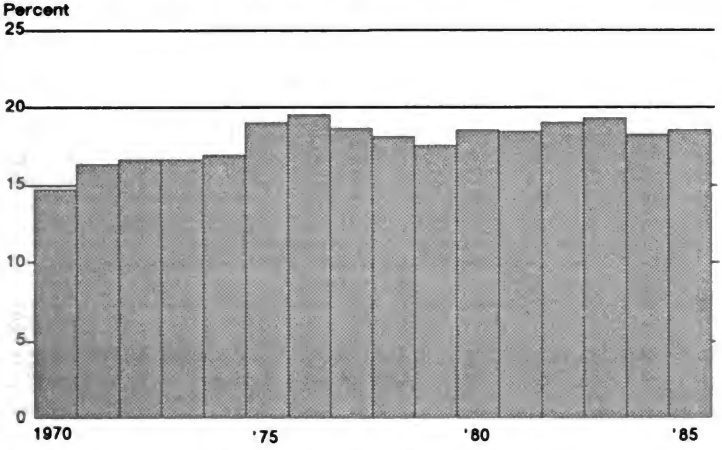
Noncash benefits.—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview and are reported in the *Current Population Reports*, series P-60. The two major categories of noncash benefits covered are public transfers and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

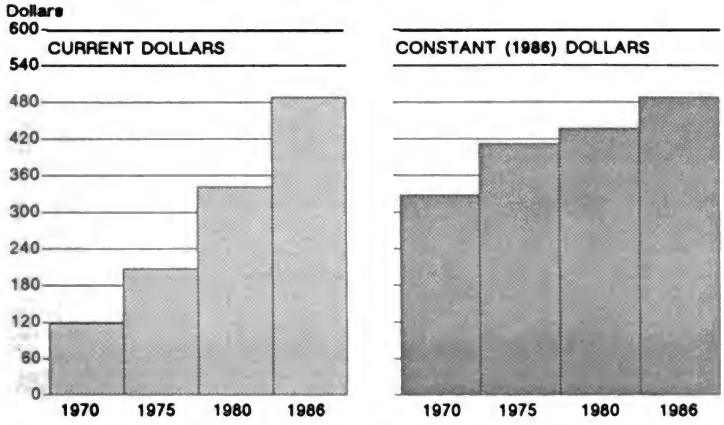
Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 12.1
Social Welfare Expenditures Under Public Programs as Percent of Gross National Product: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see table 554.

Figure 12.2
Social Security–Average Monthly Benefit Payments to Retired Workers: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 565.

Digitized by Google

No. 552. Social Welfare Expenditures Under Public Programs: 1960 to 1985

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 553 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

YEAR	SOCIAL WELFARE OUTLAYS			Social insurance	Public aid	Health and medical programs [1]	Veterans programs	Education	Housing	Other social welfare	All health and medical care [2]
	Total	Annual percent change	Percent from non-trust funds								
	TOTAL										
1960	52,293	[3] 9.9	65.5	19,307	4,101	4,464	5,479	17,626	177	1,139	6,395
1970	145,856	10.8	64.8	54,691	16,488	9,907	9,078	50,845	701	4,145	25,391
1975	290,084	14.7	60.9	123,013	41,308	17,788	17,019	80,834	3,172	6,947	52,348
1979	430,280	10.4	58.0	194,268	64,662	24,899	20,602	109,262	5,493	11,076	88,757
1980	492,797	14.5	56.8	229,754	71,799	27,919	21,466	121,050	7,210	13,599	100,583
1981	550,324	11.7	54.9	267,395	82,424	30,203	23,441	128,145	6,734	11,983	116,317
1982	594,785	8.1	49.8	302,615	80,852	33,127	24,708	133,874	7,954	11,654	130,779
1983	642,077	8.0	49.1	331,058	85,830	35,976	25,826	141,813	9,090	12,484	143,128
1984, prel	671,972	4.7	49.5	342,264	89,871	37,864	26,127	152,025	10,374	13,445	155,092
1985, prel	729,117	8.5	(NA)	372,583	95,965	41,680	27,171	165,893	11,878	13,946	174,963
	FEDERAL										
1960	24,957	[3] 11.3	45.9	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45.1	45,246	9,649	4,775	8,952	5,876	582	2,259	16,600
1975	167,426	16.7	45.9	99,715	27,186	8,521	16,570	8,629	2,541	4,264	34,100
1979	263,037	12.0	42.7	163,879	43,722	11,398	20,412	12,108	5,069	6,449	58,696
1980	302,816	15.0	42.4	191,162	48,666	12,688	21,254	13,452	6,608	8,786	68,786
1981	344,108	13.7	40.3	224,574	55,946	13,638	23,229	13,372	6,045	7,304	80,547
1982	367,699	6.7	36.8	250,551	52,485	14,607	24,463	11,917	7,176	6,500	90,785
1983	398,792	8.5	36.0	274,212	55,895	15,594	25,561	12,397	8,087	7,046	100,274
1984, prel	419,264	5.1	35.4	289,884	57,666	16,496	25,822	12,979	9,068	7,349	108,603
1985, prel	451,241	7.6	(NA)	313,107	61,173	18,500	26,833	13,740	10,339	7,549	123,634
	STATE AND LOCAL										
1960	27,337	[3] 8.7	84.9	4,999	1,984	2,727	112	16,758	33	723	3,478
1970	68,519	9.6	88.9	9,446	6,839	5,132	127	44,970	120	1,886	8,791
1975	122,654	12.4	83.0	23,298	14,122	9,267	449	72,205	631	2,683	18,248
1979	167,243	8.1	84.8	30,408	20,940	13,500	190	97,154	424	4,628	28,061
1980	190,180	13.7	82.6	38,592	23,133	15,231	212	107,597	601	4,813	31,777
1981	206,216	8.4	82.2	42,821	26,477	16,565	212	114,773	689	4,679	35,769
1982	227,085	10.1	70.9	52,063	28,367	18,520	245	121,957	778	5,154	39,993
1983	243,285	7.1	70.6	56,846	29,935	20,382	265	129,416	1,003	5,438	42,854
1984, prel	252,707	3.4	72.9	52,381	32,206	21,368	305	139,046	1,306	6,096	46,490
1985, prel	277,878	10.0	(NA)	59,477	34,792	23,180	338	152,153	1,540	6,398	51,329
	PERCENT OF TOTAL EXPENDITURES, BY TYPE										
1960	100.0	(X)	(X)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1970	100.0	(X)	(X)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1975	100.0	(X)	(X)	42.4	14.2	6.1	5.9	27.9	1.1	2.4	18.0
1980	100.0	(X)	(X)	46.6	14.6	5.7	4.4	24.5	1.5	2.8	20.5
1985, prel	100.0	(X)	(X)	51.1	13.2	5.7	3.7	22.8	1.6	1.9	24.0
	PERCENT FEDERAL OF TOTAL										
1960	47.7	(X)	(X)	74.1	51.6	38.9	98.0	4.9	81.4	36.6	45.6
1970	53.0	(X)	(X)	82.7	58.5	48.2	98.6	11.6	83.0	54.5	65.4
1975	57.7	(X)	(X)	81.1	65.8	47.9	97.4	10.7	80.1	61.4	65.1
1980	61.4	(X)	(X)	83.2	67.8	44.9	99.0	11.1	91.7	64.6	68.1
1985, prel	61.9	(X)	(X)	84.0	63.7	44.4	98.8	8.3	87.0	54.1	70.7
	PER CAPITA (Current dollars) [4]										
1960	285	[3] 7.9	(X)	105	22	24	30	96	2	6	35
1970	701	9.4	(X)	262	79	48	43	245	4	20	122
1975	1,326	13.6	(X)	561	189	82	77	370	15	32	240
1980	2,138	10.0	(X)	995	312	121	92	526	33	59	437
1985, prel	2,996	7.0	(X)	1,528	395	172	111	683	49	57	720
	PER CAPITA (Constant (1985) dollars) [4] [5]										
1960	969	[3] 5.6	(X)	357	75	82	102	326	7	20	119
1970	1,826	6.6	(X)	683	206	125	112	639	10	52	318
1975	2,506	6.5	(X)	1,060	357	155	146	699	28	60	453
1980	2,763	2.0	(X)	1,286	403	156	119	680	43	76	565
1985, prel	2,996	1.6	(X)	1,528	395	172	111	683	49	57	720

NA Not available. X Not applicable. [1] Excludes program parts of social insurance, public aid, veterans, and other social welfare. [2] Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipoverty programs. [3] Change from 1955. [4] Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement. [5] Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 732.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987, and earlier and forthcoming issues.

Digitized by Google

NO. 553. SOCIAL WELFARE EXPENDITURES, BY SOURCE OF FUNDS AND PUBLIC PROGRAM: 1980 TO 1985

[**In millions of dollars.** See headnote, table 552, and *Historical Statistics, Colonial Times to 1970*, series H 1–47, for related but not comparable data]

PROGRAM	1980		1983		1984, prel.		1985, prel.	
	Federal	State and local	Federal	State and local	Federal	State and local	Federal	State and local
Total	**302,616**	**190,180**	**398,792**	**243,285**	**419,264**	**252,707**	**451,241**	**277,878**
Social insurance	**191,182**	**38,592**	**274,212**	**56,846**	**289,884**	**52,381**	**313,107**	**59,477**
Old-age, survivors, disability, health	152,110	(x)	224,709	(x)	239,395	(x)	260,469	(x)
Health insurance (Medicare)	34,992	(x)	56,930	(x)	62,481	(x)	72,194	(x)
Public employee retirement [1]	26,983	12,507	36,920	17,914	38,587	20,300	40,503	22,540
Railroad employee retirement	4,769	(x)	6,082	(x)	6,144	(x)	6,275	(x)
Unemployment insurance and employment services [2]	4,408	13,919	3,144	22,206	2,529	13,575	2,604	15,740
Other railroad employee insurance [3]	224	(x)	448	(x)	230	(x)	189	(x)
State temporary disability insurance [4]	(x)	1,377	(x)	1,767	(x)	1,821	(x)	2,000
Workers' compensation [5]	2,666	10,789	2,909	14,959	2,999	16,684	3,067	19,197
Hospital and medical benefits	130	3,596	264	4,818	282	5,729	280	8,800
Public aid	**48,666**	**23,133**	**55,895**	**29,935**	**57,666**	**32,206**	**61,173**	**34,792**
Public assistance [6]	23,542	21,346	28,796	27,824	30,838	30,162	33,523	32,557
Medical vendor payments (Medicaid) [7]	14,550	12,844	16,828	17,499	20,212	19,251	22,650	21,261
Social services	1,757	586	1,881	627	2,092	697	2,057	686
Supplemental security income	6,440	1,787	8,663	2,111	9,094	2,043	9,605	2,235
Food stamps	9,063	(x)	11,727	(x)	11,561	(x)	11,701	(x)
Other [8]	9,601	(x)	8,689	(x)	8,173	(x)	8,344	(x)
Health and medical programs	**12,688**	**15,231**	**15,594**	**20,382**	**16,496**	**21,368**	**18,500**	**23,160**
Hospital and medical care	8,451	8,042	8,737	7,781	9,082	8,259	9,700	9,000
Civilian programs	2,391	8,042	2,254	7,781	2,392	8,259	(NA)	9,000
Defense Department [9]	4,060	(x)	6,483	(x)	6,690	(x)	(NA)	(x)
Maternal and child health programs	351	519	428	872	352	879	400	700
Medical research	4,414	422	4,984	583	5,497	606	6,200	600
Medical facilities construction	223	1,954	164	1,930	212	1,930	800	1,800
Other	1,250	8,294	1,281	9,416	1,354	9,894	1,400	11,080
Veterans programs	**21,254**	**212**	**25,561**	**265**	**25,822**	**305**	**26,833**	**338**
Pensions and compensation	11,306	(x)	13,895	(x)	13,949	(x)	14,256	(x)
Health and medical programs	6,204	(x)	6,388	(x)	6,855	(x)	9,713	(x)
Hospital and medical care	5,750	(x)	7,763	(x)	8,141	(x)	8,906	(x)
Hospital construction	323	(x)	474	(x)	527	(x)	593	(x)
Medical and prosthetic research	131	(x)	152	(x)	186	(x)	215	(x)
Education	2,401	(x)	1,706	(x)	1,413	(x)	1,168	(x)
Life insurance [10]	665	(x)	744	(x)	746	(x)	796	(x)
Welfare and other	879	212	827	265	860	305	900	338
Education	**[11] 13,452**	**107,597**	**[11] 12,397**	**129,416**	**[11] 12,979**	**139,046**	**[11] 13,740**	**152,153**
Elementary and secondary	7,430	79,720	8,140	96,512	6,859	103,359	7,268	113,474
Construction [12]	41	8,483	77	7,112	28	7,230	23	8,335
Higher	4,468	21,706	5,052	25,418	5,028	27,818	5,102	30,343
Construction	42	1,486	85	1,974	35	2,236	32	2,685
Vocational and adult [13]	1,207	6,169	898	7,488	1,046	6,072	1,087	8,335
Housing	**6,806**	**601**	**8,067**	**1,003**	**9,068**	**1,306**	**10,339**	**1,540**
Other social welfare	**8,786**	**4,813**	**7,046**	**5,438**	**7,349**	**6,096**	**7,549**	**6,398**
Vocational rehabilitation	1,006	245	1,008	326	1,109	338	1,187	350
Medical services and research	237	56	269	100	277	83	297	88
Institutional care [13]	74	408	107	553	118	753	121	653
Child nutrition [14]	4,209	643	4,099	882	4,270	928	4,349	960
Child welfare [15]	57	743	160	(NA)	185	(NA)	200	(NA)
Special CSA and ACTION programs [16]	2,303	(x)	475	(x)	479	(x)	504	(x)
Welfare, not elsewhere classified [17]	1,137	2,774	1,197	3,677	1,207	4,076	1,188	4,435

NA Not available. X Not applicable. [1] Excludes refunds to those leaving service. Federal data include military retirement. [2] Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. [3] Unemployment and temporary disability insurance. [4] Cash and medical benefits in 5 areas. Includes private plans where applicable. [5] Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. [6] Includes payments under State general assistance programs and work incentive activities, not shown separately. [7] Medical vendor payments are those made directly to suppliers of medical care. [8] Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1983, includes low-income energy assistance program. [9] Includes medical care for military dependent families. [10] Excludes servicemen's group life insurance. [11] Includes Federal expenditures for administrative costs (Department of Education) and research, not shown separately. [12] Construction costs of vocational and adult education programs included under elementary-secondary expenditures. [13] Federal expenditures represent primarily surplus foods for nonprofit institutions. [14] Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. [15] Represents primarily child welfare services under title V of the Social Security Act. [16] Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. [17] Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance; and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987, and forthcoming issue.

Digitized by Google

No. 554. Social Welfare Expenditures Under Public Programs as Percent of GNP and Total Government Outlays: 1960 to 1985

[See headnote, table 552. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
			Percent of—				Percent of—				Percent of—	
	Total (bil. dol.)	Annual percent change [1]	Total GNP [2]	Total govt. outlays	Total (bil. dol.)	Annual percent change [1]	Total GNP [2]	Total Federal outlays	Total (bil. dol.)	Annual percent change [1]	Total GNP [2]	Total State and local outlays
1960	52.3	9.9	10.3	38.4	25.0	11.3	4.9	26.1	27.3	8.7	5.4	60.1
1970	145.9	10.8	14.7	48.2	77.3	12.0	7.8	40.1	68.5	9.6	6.9	64.0
1975	290.1	14.7	19.0	57.4	167.4	16.7	11.0	53.8	122.7	12.4	8.0	63.5
1980	492.8	11.2	18.5	56.5	302.6	12.6	11.3	54.3	190.2	9.2	7.1	61.0
1984, prel.	672.0	8.1	18.2	52.6	419.3	8.5	11.3	50.2	252.7	7.4	6.8	58.9
1985, prel.	729.1	8.5	18.5	52.9	451.2	7.6	11.4	47.7	277.9	10.0	7.0	64.2

[1] Change from prior year shown; for 1960, change from 1955. [2] Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin*, June 1987 and forthcoming issue.

No. 555. Public Income-Maintenance Programs—Cash Benefit Payments: 1970 to 1986

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)									PERCENT		
	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1970	1980	1985
Total [1]	**60.5**	**136.6**	**192.9**	**228.0**	**241.0**	**263.0**	**298.9**	**308.7**	**327.9**	(NA)	**100.0**	**100.0**	**100.0**
Percent of personal income [2]	7.3	10.6	9.5	10.1	9.6	10.6	10.5	10.0	9.4	(NA)	(X)	(X)	(X)
OASDI [3]	31.6	66.6	104.0	120.3	128.7	155.7	166.9	175.5	186.1	193.6	52.2	52.8	56.8
Public employee retirement [4]	9.2	21.3	35.1	40.6	46.4	51.4	55.0	58.8	63.4	(NA)	15.2	17.8	19.3
Railroad retirement	1.8	3.3	4.4	4.9	5.4	5.8	6.0	6.1	6.3	6.4	2.9	2.1	1.9
Veterans' pensions, compensation	5.5	7.7	10.8	11.4	12.5	13.3	13.7	13.8	14.1	14.2	9.1	5.0	4.3
Unemployment benefits [5]	4.2	18.3	10.3	18.9	13.7	21.1	19.2	13.6	14.4	16.0	7.0	8.3	4.4
Temporary disability benefits	.7	.9	1.2	1.4	1.6	1.6	1.6	1.8	1.8	1.9	1.2	.6	.5
Workers' compensation [6]	2.0	4.6	8.5	9.6	10.6	11.4	12.2	13.3	15.2	16.0	3.3	4.2	4.6
Public assistance [7]	4.9	9.3	10.7	12.1	13.2	13.0	13.9	14.6	15.3	16.1	8.0	5.3	4.7
Supplemental Security Income [7]	(x)	5.9	7.2	7.9	8.5	9.0	9.5	10.4	11.1	12.1	(x)	3.4	3.4

NA Not available. X Not applicable. [1] Includes lump sum death benefits, not shown separately. [2] For base data, see table 678. [3] Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12. [4] Excludes refunds of contributions to employees who leave service. [5] Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. [6] Includes black lung benefits. [7] Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

No. 556. Households Receiving Means-Tested Noncash Benefits, 1980 to 1985, and by Poverty Status, 1985

[Households as of **March** of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily householder; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix III]

TYPE OF BENEFIT RECEIVED	1980, total (1,000)	1982, total (1,000)	1983, total (1,000)	1984, total (1,000)	1985			
					Total (1,000)	Below poverty level		Above poverty level (1,000)
						Number (1,000)	Percent distribution	
Total households	**82,368**	**83,918**	**85,407**	**86,789**	**88,458**	**11,995**	**100.0**	**76,463**
Not receiving noncash benefits	68,102	69,303	70,886	72,194	73,992	4,928	41.1	69,064
Not receiving cash public assistance	67,743	69,079	70,645	71,958	73,731	4,865	40.6	68,866
Receiving cash public assistance [1]	359	224	241	237	261	63	.5	197
Receiving at least one noncash benefit	14,266	14,615	14,521	14,594	14,466	7,067	58.9	7,399
Not receiving cash public assistance	7,860	8,441	8,123	7,973	7,860	2,917	24.3	4,943
Receiving cash public assistance [1]	6,407	6,174	6,398	6,621	6,607	4,151	34.6	2,456
Total households receiving—								
Food stamps	6,769	7,184	7,170	7,061	6,779	4,944	41.2	1,835
School lunch	5,532	5,634	5,646	5,637	5,752	2,974	24.8	2,778
Public housing	2,777	3,158	3,234	3,588	3,799	2,071	17.3	1,728
Medicaid	8,287	8,068	8,148	8,323	8,178	4,781	39.9	3,397

[1] Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155 and earlier reports.

Digitized by Google

No. 557. Cash and Noncash Benefits for Persons With Limited Income: 1980 to 1986

[For years ending September 30, except as noted. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need]

PROGRAM	AVERAGE MONTHLY RECIPIENTS (1,000)			EXPENDITURES (mil. dol.)					
				Total [1]			Federal		
	1980	1985	1986	1980	1985	1986	1980	1985	1986
Total	(X)	(X)	(X)	104,956	140,424	145,820	80,519	104,893	108,146
Medical care [2]	(X)	(X)	(X)	32,241	48,297	51,870	19,237	27,546	29,898
Medicaid [3]	[4] 21,735	[4] 21,808	[4] 22,592	25,781	41,150	44,725	14,550	22,655	24,995
Veterans [5]	(NA)	[6] 245	[6] 245	[7] 3,349	[7] 3,053	[7] 3,183	[7] 3,349	[7] 3,053	[7] 3,183
General assistance	(NA)	(NA)	(NA)	[7] 1,810	[7] 1,949	[7] 1,950	–	–	–
Indian Health Services	[8] 829	[8] 931	[8] 987	549	862	821	549	862	821
Maternal and child health services	(NA)	(NA)	(NA)	326	783	861	214	478	389
Community health centers	[8] 5,000	[8] 5,200	[8] 5,350	325	383	396	325	383	396
Cash aid [9]	(X)	(X)	(X)	29,362	36,074	40,799	19,818	24,924	26,799
A.F.D.C. [10]	10,499	10,794	10,995	13,019	16,736	17,757	6,964	8,909	9,536
Supplemental Security Income [9]	4,160	4,305	4,449	8,435	11,857	12,820	[10] 8,365	[10] 9,603	[10] 10,307
Pensions for needy veterans [11]	[10] 3,076	[10] 1,489	[10] 1,397	3,585	3,842	3,874	3,585	3,842	3,874
General assistance	910	[7] 1,323	[7] 1,332	[10] 1,366	[7] 2,499	[7] 2,605	–	–	–
Earned income tax credit	[7] 21,200	[7] 16,500	[7] 16,930	2,033	1,600	2,043	2,033	1,600	2,043
Food benefits [9]	(X)	(X)	(X)	13,546	20,085	20,098	13,089	19,056	18,996
Food stamps [9] [12]	21,100	21,400	20,900	9,576	13,470	13,466	9,195	12,599	12,528
School lunch program [13]	[13] 12,200	[13] 11,500	[13] 11,600	[7] 2,110	[7] 2,656	[7] 2,669	[7] 2,110	[7] 2,656	[7] 2,669
Women, infants and children [14]	1,980	3,139	3,318	772	1,500	1,579	772	1,500	1,579
Temporary emergency food assistance	(X)	(NA)	[13] 15,000	(X)	1,015	896	(X)	1,015	896
Nutrition program for elderly [15]	[8] 3,083	[8] 3,630	[8] 3,584	459	614	615	383	456	451
Housing benefits [9]	(X)	(X)	(X)	9,606	14,115	13,250	9,606	14,115	13,250
Lower-income housing asst. (Sec. 8)	[11] 1,153	[11] 2,010	[11] 2,143	2,104	6,818	7,430	2,104	6,818	7,430
Low-rent public housing	[11] 1,192	[11] 1,355	[11] 1,380	2,185	3,408	2,882	2,185	3,408	2,882
Rural housing loans	[8] 82	[8] 41	[8] 26	[8] 2,887	[8] 1,790	[8] 1,155	[8] 2,887	[8] 1,790	[8] 1,155
Rural rental housing loans	[8] 33	[8] 26	[8] 21	[8] 881	[8] 903	[8] 652	[8] 881	[8] 903	[8] 652
Interest reduction payments	[8] 538	[8] 528	[8] 464	656	619	633	656	619	633
Education aid [9]	(X)	(X)	(X)	5,178	10,056	10,583	4,890	9,559	10,101
Pell grants	[16] 2,500	[16] 2,797	[16] 2,881	[8] 2,431	[8] 2,600	[8] 3,862	[8] 2,431	[16] 2,800	[8] 3,862
Guaranteed student loans [16]	(X)	[16] 3,477	[16] 3,242	(X)	[17] 3,889	[17] 3,295	(X)	[17] 3,889	[17] 3,295
Head Start	376	448	448	920	1,308	1,267	736	1,046	1,013
College Work-Study Program	[16] 766	[16] 737	[16] 870	[8] 495	[8] 555	[8] 593	[8] 495	[8] 555	[8] 593
Supplemental Educational Opportunity Grants	[16] 650	[16] 720	[16] 720	[8] 355	[8] 375	[8] 413	[8] 355	[8] 375	[8] 413
Jobs and training [9]	(X)	(X)	(X)	8,706	3,978	3,700	8,625	3,895	3,626
Employment and training services [18]	[8] 361	[8] 350	[8] 337	2,144	[18] 1,886	[18] 1,783	2,144	[18] 1,886	[18] 1,783
Summer youth employment program [18]	[11] 1,000	[11] 785	[11] 634	721	[18] 725	[18] 636	721	[18] 725	[18] 636
Job Corps [18]	[8] 36	[8] 41	[8] 41	470	[18] 617	[18] 613	470	[18] 617	[18] 613
Senior community service employment program	[8] 52	[8] 64	[8] 61	297	[8] 362	[8] 347	267	[8] 326	[8] 312
Work incentive program	[8] 1,037	[8] 1,013	[8] 870	406	297	234	365	267	211
Services [9]	(X)	(X)	(X)	4,598	3,551	3,389	3,735	3,551	3,389
Social services (Title 20) [19]	[8] 7,000	(NA)	(NA)	3,648	2,725	2,584	2,785	2,725	2,584
Community services block grant	(X)	(X)	(X)	[8] 557	372	354	[8] 557	372	354
Energy assistance [9]	(X)	(X)	(X)	1,721	2,270	2,131	1,721	2,245	2,087
Low-income energy assistance [9]	[7] 9,700	[8] 6,800	[18] 6,700	1,539	[18] 2,079	[18] 1,949	1,539	2,054	1,905

– Represents zero. NA Not available. X Not applicable. [1] Includes State and local government expenditures not shown separately. [2] Includes other programs not shown separately. [3] Expenditure data include administrative expenses. [4] Unduplicated annual number. [5] Medical care for veterans with a non-service-connected disability. [6] Estimated number of patients discharged from hospital during year. [7] Estimated. [8] Annual numbers. [9] Aid to Families with Dependent Children program. Excludes data for foster care program. [10] Excludes Federal sums spent for SSI (State supplements) to Indochinese refugees. [11] Includes dependents and survivors. [12] Estimate as of June for 1980 and as of Sept. for other years. [13] Data for Alaska and Vermont were not reported. [14] Beginning 1985, includes Puerto Rico's nutritional assistance program, which replaced food stamp program there in July 1982. [15] Free and reduced-price segments. [16] Estimated daily average. [17] Includes estimate of commodity assistance. [18] Special supplemental food program for women, infants, and children. [19] Estimate. As of October. [20] No income test required but preference given to those with greatest need. [21] Units eligible for payment at end of year. [22] Represents total families or dwelling units during year. [23] Amount of loans obligated. [24] Total numbers for an award year ending July of year shown. [25] Appropriation available for school year ending in the fiscal year named. [26] Program had no income test in 1980. [27] Net obligations for school year beginning in fiscal year named. [28] Programs represent specific titles under the Job Training and Partnership Act (JTPA) and its (1980) predecessor, the Comprehensive Employment and Training Act. [29] Average number of job and training slots for program year. [30] Funds obligated. [31] Total participants (June–August). [32] Annual number of jobs authorized. [33] New registrants only. [34] Data are unavailable for non-Federal funds spent after FY 1981, when State funding requirements were repealed. [35] Estimate of annual number of primary recipients. [36] Predecessor programs under Community Services Administration. [37] Number of households aided during year. Includes all SSI households, which received special energy aid that year. Count includes some duplications. [38] Number of households that received heating aid, crisis intervention, or weatherization aid. Excludes households that received only cooling aid. [39] State spending includes funds received as "oil overcharge" settlements.

Source: Library of Congress, Congressional Research Service, "Cash and Noncash Benefits for Persons With Limited Income: Eligibility Rules, Recipient and Expenditure Data, FY 1984–86," Report No. 87-759 EPW, September 1987 and previous reports.

Digitized by Google

No. 558. Social Insurance and Related Programs—Cash Beneficiaries and Benefits, by Program: 1980 to 1985

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI = Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125–171]

Program	Beneficiaries [1] (1,000)					Amount of benefits (mil. dol.)				
	1980	1982	1983	1984	1985	1980	1982	1983	1984	1985
Total	(x)	(x)	(x)	(x)	(x)	207,797	261,238	275,108	282,979	301,726
Percent of personal income	(x)	(x)	(x)	(x)	(x)	9.2	9.8	9.7	9.1	8.1
Retirement [2]	(x)	(x)	(x)	(x)	(x)	113,252	149,075	161,327	173,419	186,786
OASDHI	22,267	24,148	24,749	25,237	25,739	77,905	104,884	114,048	123,804	132,298
Public employee retirement	4,208	4,595	4,857	5,128	5,268	32,416	40,659	43,581	45,854	50,626
Federal civil service	913	989	1,015	1,057	1,080	10,227	13,113	14,003	14,399	15,261
Other Federal employee [3]	1,149	1,202	1,239	1,261	1,281	11,397	14,044	14,854	15,318	16,071
State and local government	2,146	2,404	2,403	2,809	2,907	10,792	13,501	14,724	16,137	19,293
Railroad retirement	589	584	580	592	566	2,931	3,531	3,698	3,762	3,862
Disability [2] [4]	(x)	(x)	(x)	(x)	(x)	39,659	46,879	48,063	50,133	53,129
OASDHI	4,729	4,174	3,875	3,808	3,873	15,437	17,338	17,530	17,897	18,827
Public employee retirement	720	778	786	730	751	5,371	6,953	7,351	7,676	7,507
Federal civil service	355	384	395	363	374	2,885	3,702	3,913	4,061	4,311
Other Federal employee [3]	157	145	145	144	145	1,275	1,439	1,452	1,437	1,458
State and local government	208	250	246	223	232	1,211	1,811	1,987	2,178	1,738
Railroad retirement	95	92	89	67	85	564	666	674	681	696
Veterans Admin. programs [5]	3,194	3,088	3,030	2,985	2,933	8,602	10,203	10,489	10,578	10,748
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	7,245	8,977	9,519	10,852	12,664
Black lung benefit program	252	147	134	172	156	1,077	916	870	823	796
Temporary disability:										
State insurance [6]	199	218	224	191	(NA)	1,300	1,568	1,580	1,584	1,844
Railroad insurance	14	14	13	11	11	63	56	50	42	47
Survivor monthly benefits	(x)	(x)	(x)	(x)	(x)	34,986	43,641	45,815	44,971	46,231
OASDHI	6,260	7,435	7,310	7,196	7,162	26,654	33,612	35,164	33,917	34,807
Public employee retirement	763	811	842	836	884	2,895	3,762	4,078	4,556	4,702
Federal civil service	439	485	503	490	517	1,930	2,468	2,677	3,011	3,119
Other Federal employee [3]	71	83	93	104	114	301	437	498	555	616
State and local government	253	243	246	242	253	664	857	903	990	968
Railroad retirement	330	324	310	322	311	1,372	1,644	1,671	1,679	1,702
Veterans Admin. programs [5]	1,465	1,300	1,227	1,157	1,082	2,755	3,113	3,192	3,230	3,310
Workers' compensation	(NA)	(NA)	(NA)	(NA)	(NA)	675	805	810	880	980
Black lung benefit program	158	208	200	151	148	635	705	700	710	730
Lump-sum payments	(x)	(x)	(x)	(x)	(x)	964	770	823	812	819
OASDHI	(x)	(x)	(x)	(x)	(x)	395	203	205	140	143
Public employee retirement	(x)	(x)	(x)	(x)	(x)	377	438	491	538	543
Federal civil service	(x)	(x)	(x)	(x)	(x)	23	37	34	37	34
Other Federal employee	(x)	(x)	(x)	(x)	(x)	3	4	5	6	7
State and local government	(x)	(x)	(x)	(x)	(x)	352	398	452	495	502
Railroad retirement	(x)	(x)	(x)	(x)	(x)	14	11	11	11	9
Veterans Admin. programs [6]	(x)	(x)	(x)	(x)	(x)	178	116	116	123	124
Unemployment	(x)	(x)	(x)	(x)	(x)	18,935	21,072	19,281	13,643	14,761
State unemployment insurance [7]	2,830	3,897	2,337	2,167	2,267	16,756	20,733	18,992	13,495	14,629
Railroad unemployment insurance	38	77	43	28	29	179	339	289	148	132

NA Not available. X Not applicable. [1] For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, veterans programs, and the black lung benefit program, number on rolls June 30; for railroad retirement program, number on rolls as of September 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. For Federal programs under the Uniformed Services Contingency Option Act of 1953 and for State and local government retirement systems, number of survivor beneficiaries represents families. [2] Includes benefits to dependents where applicable. [3] Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". [4] Excludes payments for medical care. [5] Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. [6] Lump sums are for burial of deceased veterans. [7] Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1982, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1980), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

Digitized by Google

No. 559. Estimated Workers Under Social Insurance Programs: 1960 to 1986

[**In millions, except percent.** As of **December,** except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51–56]

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total labor force [1] [2]	73.1	86.2	96.2	109.1	110.7	112.7	113.5	115.7	117.5	119.8
Paid civilian population	64.6	77.8	86.0	98.9	99.0	98.4	102.2	105.5	107.7	110.2
Wage and salary workers	55.3	70.6	78.7	90.2	90.4	89.5	93.0	96.4	98.5	100.8
Self-employed	9.3	6.9	7.3	8.7	8.6	8.9	9.2	9.1	9.2	9.4
Unpaid family workers	1.4	.8	.7	.6	.5	.5	.6	.5	.4	.4
Unemployed	4.5	2.6	7.3	7.4	9.0	11.6	9.0	8.0	7.7	7.5
Armed Forces [3]	2.5	3.4	2.2	2.1	2.2	2.2	1.7	1.7	1.7	1.7
Civilian population covered by:										
Public retirement programs	60.9	75.3	83.7	96.4	96.4	95.7	99.5	104.7	106.9	109.7
OASDHI [4]	55.4	69.2	77.0	89.3	89.5	88.9	92.7	97.5	99.7	102.5
Wage and salary workers	48.0	63.4	70.8	81.8	81.9	81.1	84.5	89.0	91.2	93.8
Percent of all wage and salary workers	86.6	89.5	89.7	90.7	90.6	90.6	90.9	92.3	92.6	93.1
Self-employed	7.4	5.8	6.4	7.5	7.6	7.8	8.2	8.5	8.5	8.7
Railroad retirement	.9	.6	.5	.5	.5	.4	.4	.4	.3	.3
Public employees retirement [5]	4.6	5.5	6.2	6.8	6.4	6.4	6.4	6.8	6.9	6.9
Unemployment insurance	43.7	55.8	69.7	87.2	89.9	87.9	91.3	95.8	98.2	(NA)
Workers' compensation	44.6	59.0	68.6	79.1	79.8	77.8	80.9	84.5	87.0	(NA)
Temporary disability insurance	11.3	14.6	15.7	18.4	18.4	18.1	18.7	19.3	19.8	(NA)

NA Not available. [1] Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population Survey; see text, section 1, and Appendix III. [2] Excludes Armed Forces overseas beginning 1983.
[3] OASDHI = Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees.
[4] Data represent yearly averages. Excludes State and local government employees covered by both OASDHI and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*.

No. 560. Selected Social Insurance Programs—Estimated Payrolls of Covered Employment in Relation to Wages and Salaries: 1970 to 1985

[**In billions of dollars, except percent.** Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDHI: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57–69]

PROGRAM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total earnings [1]	815	896	1,225	1,370	1,534	1,613	1,717	1,868	2,074	2,221
All wages and salaries [1]	549	806	1,106	1,238	1,357	1,493	1,586	1,686	1,837	1,966
Civilian	528	783	1,081	1,211	1,327	1,458	1,528	1,619	1,775	1,897
Payrolls covered by:										
Retirement programs [2]	528	783	1,082	1,207	1,326	1,451	1,531	1,614	1,767	2,029
OASDHI [3] [4]	480	713	1,000	1,118	1,229	1,348	1,422	1,500	1,649	1,760
Railroad retirement [3]	8	8	11	12	13	13	12	12	13	13
Federal civil service	26	37	45	48	52	56	59	62	65	66
State and local government	53	87	109	118	131	142	154	166	176	190
Unemployment insurance [3]	389	653	1,055	1,134	1,243	1,367	1,503	1,582	1,731	1,940
Workers' compensation program [5]	437	672	922	1,041	1,136	1,247	1,301	1,382	1,518	1,618
Net earnings in self-employment covered by OASDHI	48	70	88	100	97	94	98	108	120	120
Percent of civilian payrolls covered by—										
OASDHI [3] [4]	90.9	91.1	92.4	92.3	92.8	92.5	93.1	92.8	92.9	92.8
Railroad retirement [3]	1.2	1.1	1.0	1.0	1.0	.9	.8	.7	.7	.7
Federal civil service retirement	5.0	4.7	4.2	4.0	3.9	3.8	3.9	3.8	3.7	3.7
State and local government retirement	10.1	11.1	10.1	9.7	9.9	9.7	10.1	10.3	10.1	10.0
Unemployment insurance [3]	73.7	83.4	97.6	93.6	93.7	93.8	98.4	97.7	97.5	102.2
Workers' compensation programs [3]	82.8	85.6	85.3	84.6	86.7	85.6	85.1	85.4	85.4	85.3

[1] Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. [2] Adjusted for duplication in coverage by both OASDHI and State and local government retirement systems. [3] Taxable plus estimated nontaxable wages and salaries.
[4] Includes Armed Forces in all areas. [5] Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas. [6] Percent computed after excluding Armed Forces payroll covered by OASDHI.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

Digitized by Google

NO. 561. SELECTED SOCIAL INSURANCE PROGRAMS—SOURCE OF FUNDS FROM CONTRIBUTIONS AND TRANSFERS: 1970 TO 1986

[In millions of dollars]

PROGRAM AND SOURCE OF FUNDS	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Social Security trust funds:										
Old-age and survivors insurance (OASI)	30,705	57,241	88,476	103,996	123,301	124,353	143,878	167,062	182,366	194,325
Employer	14,489	27,184	42,288	49,731	58,972	59,105	63,935	78,110	83,682	90,261
Employee	14,204	26,947	41,896	49,436	58,656	58,918	63,731	73,991	83,400	89,796
Self-employed	1,564	2,684	3,733	4,289	4,999	5,849	5,049	6,832	7,720	8,785
Government [1]	449	425	557	540	675	680	11,162	887	2,529	485
Tax credits [2]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	4,607	1,829	1,605
Taxation of benefits [3]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	2,635	3,208	3,424
Disability insurance (DI)	4,497	7,534	15,232	13,385	16,906	22,169	19,112	18,135	18,430	18,637
Employer	2,154	3,562	7,257	6,307	8,074	10,597	8,379	7,536	8,119	8,703
Employee	2,117	3,530	7,186	6,254	8,035	10,574	8,339	7,134	8,087	8,656
Self-employed	210	352	671	694	829	824	830	741	776	856
Government [1]	16	90	118	130	168	174	1,565	92	1,048	31
Tax credits [2]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	441	178	152
Taxation of benefits [3]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	190	222	236
Hospital insurance (HI) [4]	5,820	12,316	21,883	24,982	34,157	35,976	41,283	43,571	48,035	55,648
Employer	2,379	5,578	10,115	11,591	16,087	16,791	18,187	20,396	22,613	25,986
Employee	2,332	5,530	10,024	11,518	16,015	16,734	18,128	20,356	22,549	25,879
Self-employed	169	395	629	739	856	1,081	943	1,361	1,970	2,308
Government [1]	874	670	908	871	900	1,015	3,639	899	47	657
Supplementary medical insurance (SMI) [5]	2,189	4,566	9,364	10,466	15,013	15,981	19,097	22,221	23,863	23,524
Aged	1,096	1,759	2,451	2,707	3,356	3,341	3,845	4,721	5,105	5,218
Disabled	(x)	158	267	304	366	356	391	445	506	504
Government	1,093	2,648	6,645	7,455	11,291	12,284	14,861	17,054	18,250	17,802
Railroad retirement [6]	968	1,506	2,508	2,630	2,627	3,304	3,604	[4] 4,803	[4] 4,966	[4] 4,811
Employer	510	1,146	1,664	1,722	1,817	2,036	2,014	2,379	2,417	2,413
Employee	439	356	531	594	664	858	849	1,022	1,110	1,120
Government [1]	19	4	313	313	126	410	741	1,068	1,099	873
Federal civil service	3,870	9,507	18,328	19,986	22,554	23,964	25,124	25,566	27,160	(NA)
Employer (Federal and DC govt.)	2,001	6,905	12,918	16,220	18,506	19,736	20,673	20,900	22,472	(NA)
Employee [7]	1,869	2,600	3,412	3,766	4,048	4,228	4,451	4,666	4,688	(NA)
State and local government [8]	7,895	14,560	22,702	25,654	27,896	30,782	32,790	34,309	(NA)	(NA)
Employer (government)	4,920	9,880	16,434	18,776	20,190	22,366	24,050	25,305	(NA)	(NA)
Employee	2,975	4,680	6,268	6,878	7,706	8,416	8,740	9,004	(NA)	(NA)

NA Not available. X Not applicable.

[1] Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1979, transfers for Professional Standards Review Organization expenditures. Beginning 1983, includes taxes on deemed wage credits for military service performed after 1956. [2] See footnotes 4, 5, and 6, table 563.

[3] Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. [4] Includes other sources not shown separately. [5] Includes premiums paid on behalf of eligibles by State governments under "buy-in" arrangements. [6] Excludes HI contributions and includes employer contributions to supplement benefit account. [7] Includes voluntary contributions to purchase additional annuity. [8] Estimated.

NO. 562. SOCIAL SECURITY (OASDI)—COVERED EMPLOYMENT AND EARNINGS: 1960 TO 1986

[Includes Puerto Rico and Virgin Islands and beginning 1970, American Samoa and Guam. OASDI: Old-age, survivors, and disability insurance. Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172–185]

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Living covered workers [1]	Million	107.4	133.5	145.2	159.0	161.5	163.4	165.6	167.6	169.5	171.4
With insured status [2]	Million	76.8	105.3	120.0	136.7	140.3	142.9	144.5	145.9	147.9	150.3
Male	Million	49.2	61.7	68.1	75.4	76.8	77.7	78.2	78.8	79.6	80.5
Female	Million	27.4	43.6	51.9	61.3	63.5	65.1	66.2	67.2	68.3	69.7
Under 25 years old	Million	10.6	17.7	21.6	25.3	26.0	25.3	24.4	23.1	22.2	21.6
25–34 years old	Million	18.4	22.2	28.5	34.8	36.4	37.3	38.0	38.6	39.3	40.1
35–44 years old	Million	17.4	19.0	19.1	22.4	23.1	24.4	25.9	27.2	28.6	29.9
45–54 years old	Million	14.4	19.2	19.4	18.7	18.6	18.8	18.6	18.8	19.0	19.3
55–61 years old	Million	7.0	10.5	11.6	12.6	12.7	12.8	12.8	12.7	12.6	12.6
62–64 years old	Million	2.3	3.7	4.2	4.6	4.7	4.8	4.9	5.0	5.1	5.2
65–69 years old	Million	3.8	5.0	5.9	6.7	6.8	7.0	7.0	7.1	7.3	7.4
70 years old and over	Million	4.8	8.0	9.7	11.7	12.0	12.8	13.0	13.4	13.8	14.2
Workers reported with—											
Taxable earnings [3]	Million	73	93	100	114	116	113	113	119	122	124
Maximum earnings [3]	Million	20	24	15	10	9	8	7	7	7	7
Earnings in covered employment	Bil. dol.	265	532	787	1,321	1,448	1,512	1,608	1,770	1,907	2,036
Reported taxable [3]	Bil. dol.	207	416	665	1,175	1,301	1,357	1,449	1,603	1,719	1,841
Percent of total	Percent	78.1	78.2	84.5	88.9	89.8	89.7	90.1	90.6	90.1	90.4
Average per worker:											
Total earnings	Dollar	3,656	5,711	7,954	11,558	12,521	13,431	14,183	14,926	15,653	16,357
Taxable earnings [3]	Dollar	2,854	4,464	6,634	10,282	11,250	12,048	12,776	13,522	14,113	14,791

[1] Estimated number of persons who had covered employment at any time during the period 1937 to year shown; not adjusted to reflect effect of (a) provisions that coordinate the OASDI and railroad retirement programs and (b) wage credits for military service. Only partially adjusted to eliminate duplicate count of persons with taxable earnings reported on more than one account number; effect of such duplication is substantially less significant for the insured than for the uninsured. Includes persons currently insured and not insured, not shown separately. [2] Fully insured for retirement and/or survivor benefits as of beginning of year.

[3] Includes self-employment. See table 563 for maximum taxable earnings.

Source of tables 561 and 562: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

Digitized by Google

No. 563. Social Security (OASDHI)—Contribution Rates: 1970 to 1990

[As of January 1, except as noted. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI = Old-age, survivors, and disability insurance; HI = Hospital insurance]

Year	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	Contribution rates (percent)						Supplementary medical insurance, monthly rate (dol.)	Effect on contributions of changes in wage base and/or tax rate (bil. dol.)		
			Each employer and employee			Self-employed				Total	Wage base	Tax rate
			Total	OASDI	HI	Total	OASDI	HI				
In effect:												
1970	7,800	374	4.80	4.20	.60	6.90	6.30	.60	[1] 5.30	([2])	([2])	([2])
1975	14,100	825	5.85	4.95	.90	7.90	7.00	.90	6.70	1.4	1.4	([2])
1980	25,900	1,588	6.13	5.08	1.05	8.10	7.05	1.05	[1] 9.60	3.6	3.6	([2])
1981	29,700	1,975	6.65	5.35	1.30	9.30	8.00	1.30	[1] 11.00	16.9	4.2	12.7
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	[1] 12.20	4.1	2.8	1.3
1983	35,700	2,392	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	([2])
1984	37,800	[3] 2,533	[4] 7.00	5.70	1.30	[5] 14.00	11.40	2.60	14.60	[6] 10.9	1.9	[6] 9.0
1985	39,600	2,792	7.05	5.70	1.35	[5] 14.10	11.40	2.70	15.50	3.4	1.7	1.7
1986	42,000	3,003	7.15	5.70	1.45	[5] 14.30	11.40	2.90	15.50	6.2	2.5	3.7
1987	43,800	3,132	7.15	5.70	1.45	[5] 14.30	11.40	2.90	17.90	2.2	2.2	([2])
1988	([7])	([7])	7.51	6.06	1.45	[5] 15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
Future schedule:												
1989	([7])	([7])	7.51	6.06	1.45	[5] 15.02	12.12	2.90	(NA)	(NA)	(NA)	(NA)
1990	([7])	([7])	7.65	6.20	1.45	15.30	12.40	2.90	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Effective July 1. [2] No increase occurred. [3] Employee's maximum tax; see footnote 4. [4] Employee pays 6.7 percent. Employee's additional .3 percent is supplied from general revenues. [5] Self-employed pays 11.3 percent in 1984, 11.6 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. The additional amount is supplied from general revenues. [6] $4.5 billion of this increase was offset by employee tax credit. [7] Will be adjusted by Federal law to reflect increasing average earnings levels.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

No. 564. Social Security Trust Funds: 1970 to 1986

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1970*, series H 238–242]

Type of trust fund	1970	1975	1980	1981	1982	1983	1984	1985	1986
Old-age and survivors insurance (OASI):									
Net contribution income [1]	30,256	56,818	103,456	122,627	123,673	138,337	166,957	180,165	194,165
Transfers from general revenue [2]	449	425	540	675	680	5,541	105	2,203	160
Interest received [3]	1,515	2,364	1,845	2,060	845	6,706	2,566	1,871	3,066
Benefit payments [4]	26,796	56,517	105,083	[5] 123,803	[5] 138,806	149,221	157,841	167,248	176,813
Assets, end of year	32,454	36,987	22,823	21,490	[6] 22,068	[6] 19,672	[6] 27,117	[6] 35,842	39,061
Reserve ratio [7] (percent)	111	62	21	17	16	13	17	21	22
Disability insurance (DI):									
Net contribution income [1]	4,481	7,444	13,255	16,738	21,995	17,991	16,135	17,413	18,637
Transfers from general revenue [2]	16	90	130	168	174	1,121	105	1,017	–
Interest received [3]	277	502	485	172	546	1,569	1,174	870	803
Benefit payments [4]	3,085	6,505	15,515	[5] 17,192	[5] 17,376	17,524	17,898	18,827	19,853
Assets, end of year	5,614	7,354	3,629	3,049	[6] 2,691	[6] 5,195	[6] 3,959	[6] 6,321	7,780
Reserve ratio [7] (percent)	174	84	23	17	15	29	21	33	38
Hospital insurance (HI):									
Net contribution income [1] [8]	4,881	11,509	23,866	32,961	34,810	38,169	42,468	47,817	54,626
Transfers from general revenue [10]	874	870	871	900	1,015	2,756	752	47	657
Interest received [3]	158	663	1,149	1,602	2,022	3,285	3,150	3,362	3,619
Benefit payments	5,124	11,315	25,064	30,342	35,631	39,337	43,257	47,580	49,758
Assets, end of year	3,202	10,517	13,749	16,748	[11] 6,164	[11] 12,858	[11] 15,691	[11] 20,499	39,957
Reserve ratio [7] (percent)	61	91	54	61	23	32	36	42	79
Supplementary medical insurance (SMI):									
Net premium income	1,096	1,918	3,011	[10] 3,722	[10] 3,897	4,236	5,187	5,613	5,722
Transfers from general revenue	1,093	2,648	7,455	[10] 11,291	[10] 12,284	14,861	17,054	18,250	17,802
Interest received	12	106	408	362	599	725	959	1,243	1,141
Benefit payments	1,975	4,273	10,635	13,113	15,455	18,106	19,661	22,947	26,239
Assets, end of year	188	1,444	4,530	5,877	6,230	7,070	9,698	10,924	8,291
Reserve ratio [7] (percent)	8	30	40	42	38	37	47	46	30

– Represents zero. [1] Includes deposits by States and deductions for refund of estimated employee-tax overpayment. Beginning in 1983, includes government contributions on deemed wage credits for military service in 1957 and later. Beginning 1984 includes tax credits on benefits paid in 1984 and net earnings from self-employment in 1984–86; and taxation of benefits. [2] Includes payments (1) for costs of noncontributory wage credits for military service performed before 1957; (2) in 1975–82, for costs of deemed wage credits for military service performed after 1956; and, for OASI only, (3) for costs of benefits to certain uninsured persons who attained age 72 before 1968. [3] Beginning in 1983, includes interest on interfund borrowing, interest on advance tax transfers, and interest on reimbursement for unnegotiated checks. Data for 1983 and 1984 reflect interest on deemed wage credits for military service performed after 1956. [4] Includes payments for vocational rehabilitation services furnished to disabled persons receiving benefits because of their disabilities. Beginning in 1983, amounts reflect deductions for unnegotiated benefit checks. [5] Data adjusted to reflect 12 months of benefit payments. [6] Includes $18 billion borrowed from the DI and HI Trust Funds. Repayments on Jan. 31, 1985, reduced such amounts to $13.2 billion. [7] Assets at end of year as a percentage of benefit payments and administrative expenses during the year. [8] Excludes $5 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to $2.5 billion. [9] Beginning in 1975, includes premiums from aged ineligibles enrolled in HI. [10] Represents Federal Government transfers from general-fund appropriations to meet costs of benefits for persons not insured for cash benefits under OASDI-HI or railroad retirement and for costs of benefits arising from military wage credits. [11] Excludes $12 billion lent to the OASI Trust Fund Repayment on Jan. 31, 1985, reduced the total to $10.6 billion. [12] Data adjusted to reflect 12 months of premium and general revenue income.

Source: U.S. Social Security Administration, *Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds*. Also published in *Social Security Bulletin*, monthly.

Digitized by Google

No. 565. Social Security (OASDI)—Benefits, by Type of Beneficiary: 1970 to 1986

[A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. OASDI = Old-age, survivors, and disability insurance. See also headnote, table 562; Appendix III; and *Historical Statistics, Colonial Times to 1970*, series H 197-229]

TYPE OF BENEFICIARY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
	BENEFITS IN CURRENT-PAYMENT STATUS [1] (end of year)									
Number of benefits (1,000)	**26,229**	**32,086**	**35,125**	**35,585**	**36,006**	**35,839**	**36,085**	**36,479**	**37,058**	**37,706**
Retired workers [2] (1,000)	13,349	16,586	16,970	19,562	20,195	20,783	21,419	21,906	22,432	22,987
Disabled workers [3] (1,000)	1,493	2,489	2,871	2,859	2,777	2,604	2,569	2,597	2,657	2,727
Wives and husbands [3] [4] (1,000)	2,952	3,320	3,467	3,477	3,459	3,405	3,347	3,355	3,375	3,388
Children (1,000)	4,122	4,972	4,794	4,607	4,430	3,883	3,593	3,408	3,319	3,291
Under age 18	3,315	3,835	3,566	3,423	3,206	2,934	2,812	2,729	2,699	2,661
Disabled children [5]	271	362	435	450	463	472	488	506	526	545
Students [6]	537	774	793	733	761	478	293	173	94	84
Of retired workers	546	643	652	639	633	558	512	477	457	450
Of deceased workers	2,688	2,919	2,711	2,610	2,546	2,321	2,146	2,010	1,917	1,875
Of disabled workers	889	1,411	1,431	1,358	1,252	1,004	936	921	945	965
Widowed mothers [7] (1,000)	523	582	574	562	548	515	400	382	372	350
Widows and widowers [3] [8] (1,000)	3,227	3,889	4,321	4,411	4,506	4,595	4,694	4,779	4,863	4,931
Parents [2] (1,000)	29	21	16	15	14	12	11	10	10	7
Special benefits [9] (1,000)	534	224	112	93	76	63	51	40	32	25
Average monthly benefit, current dollars:										
Retired workers [2]	118	207	294	341	386	419	441	461	479	488
Retired worker and wife [3]	199	344	489	567	(NA)	702	743	780	814	831
Disabled workers [3]	131	226	322	371	413	441	456	471	484	488
Wives and husbands [3] [4]	59	100	141	164	186	203	217	227	236	241
Children of retired workers	45	77	119	140	161	165	178	186	198	204
Children of deceased workers	82	139	206	240	271	285	298	314	330	337
Children of disabled workers	39	62	95	110	123	128	136	139	142	141
Widowed mothers [7]	67	147	213	246	277	303	309	322	332	336
Widows and widowers, nondisabled [2]	102	194	270	311	349	379	396	415	433	444
Parents [2]	103	172	239	276	310	335	350	364	378	387
Special benefits [9]	45	69	92	105	116	125	129	134	138	140
Average monthly benefit, constant (1986) dollars: [10]										
Retired workers [2]	328	412	425	437	454	474	481	484	484	488
Retired worker and wife [3]	553	685	707	726	(NA)	795	811	820	823	831
Disabled workers [3]	364	450	465	475	486	499	498	495	489	488
Wives and husbands [3] [4]	164	199	204	210	219	230	237	239	239	241
Children of deceased workers	226	277	298	307	319	323	325	330	335	337
Widowed mothers [7]	242	293	308	315	326	343	337	338	336	336
Widows and widowers, nondisabled [2]	284	386	390	398	410	429	432	436	438	444
	BENEFITS AWARDED DURING YEAR (1,000)									
Number of benefits	**3,722**	**4,427**	**4,227**	**4,215**	**4,069**	**3,859**	**3,756**	**3,691**	**3,796**	**3,853**
Retired workers [2]	1,338	1,506	1,597	1,620	1,600	1,625	1,670	1,607	1,690	1,734
Disabled workers [3]	350	592	409	389	345	299	311	362	377	417
Wives and husbands [3] [4]	436	499	471	469	437	430	436	425	440	441
Children	1,091	1,332	1,191	1,174	1,094	922	753	722	714	701
Widowed mothers [7]	112	116	110	108	100	87	82	74	72	69
Widows and widowers [3] [8]	363	377	446	452	481	495	502	500	502	491
Parents [2]	2	1	1	1	1	1	(Z)	(Z)	(Z)	(Z)
Special benefits [9]	30	4	2	1	1	1	1	1	1	(Z)
	BENEFIT PAYMENTS DURING YEAR (mil. dol.)									
Total amount [11]	**31,863**	**66,923**	**104,263**	**120,472**	**140,995**	**156,137**	**167,033**	**175,782**	**186,195**	**196,892**
Monthly benefits [12]	31,570	66,586	103,923	120,118	140,662	155,934	166,827	175,551	185,988	196,489
Retired workers [2]	18,437	38,076	60,379	70,359	83,814	95,123	103,578	109,957	118,823	123,584
Disabled workers [3]	2,448	6,908	11,333	12,817	14,379	14,810	15,196	15,623	16,483	17,409
Wives and husbands [3] [4]	2,194	4,104	6,135	7,043	8,228	9,191	9,934	10,396	11,061	11,700
Children	3,517	6,643	9,416	10,514	11,784	11,302	10,762	10,651	10,710	10,899
Under age 18	2,701	4,823	6,682	7,374	8,060	8,313	8,330	8,401	8,502	8,667
Disabled children [5]	250	537	892	1,048	1,236	1,387	1,497	1,621	1,760	1,961
Students [6]	566	1,283	1,842	2,093	2,461	1,602	955	629	447	251
Of retired workers	303	634	1,014	1,142	1,321	1,223	1,143	1,135	1,140	1,166
Of deceased workers	2,760	4,888	6,608	7,389	8,307	8,204	7,911	7,775	7,762	7,843
Of disabled workers	454	1,121	1,794	1,982	2,136	1,675	1,728	1,741	1,809	1,890
Widowed mothers [7]	574	1,009	1,409	1,572	1,760	1,661	1,771	1,474	1,474	1,457
Widows and widowers [3] [8]	4,055	9,596	15,071	17,636	20,749	23,488	25,425	27,325	29,330	31,345
Parents [2]	39	50	52	55	58	59	56	53	51	48
Special benefits [9]	306	198	126	119	110	100	85	71	57	47
Lump sum	294	337	340	355	332	203	205	212	207	203

NA Not available. Z Fewer than 500. [1] Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefits; i.e., the benefits actually being received. [2] 62 years and over. [3] Disabled workers under age 65. [4] Includes wife beneficiaries with entitled children in their care and entitled divorced wives. [5] 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22. [6] Full-time students aged 18–21 through 1984 and aged 18 and 19 beginning 1985. [7] Includes surviving divorced mothers with entitled children in their care and, beginning June 1975, widowed fathers with entitled children in their care. [8] Includes widows aged 60–61, surviving divorced wives aged 60 and over, disabled widows and widowers aged 50 and over; and beginning Jan. 1973, widowers aged 60–61. [9] Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act. [10] Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 738. [11] Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified. [12] Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*, and unpublished data.

Digitized by Google

No. 566. Social Security (OASDI)—Beneficiaries, Benefit Payments, and Average Monthly Benefits, 1970 to 1986, and by States and Other Areas, 1986

[Number of beneficiaries in current-payment status and average monthly benefit as of **December**. OASDI = Old-age, survivors, and disability insurance. See also headnote, table 565, and Appendix III]

Year, division, and state or other area	Number of beneficiaries (1,000)				Benefit payments (mil. dol.)				Average monthly benefits (dol.)		
	Total	Retired workers [1] [2]	Survivors	Disabled workers [2]	Total	Retired workers [1] [2]	Survivors [2]	Disabled workers [2]	Retired workers [4]	Disabled workers	Widows and widowers [5]
1970	26,229	17,093	6,470	2,665	31,863	21,078	7,721	3,067	118	131	102
1975	32,086	20,323	7,411	4,353	66,923	42,645	15,864	8,414	207	226	194
1980	35,585	23,309	7,598	4,678	120,472	78,025	27,010	15,437	341	371	311
1981	36,006	23,935	7,615	4,456	140,995	92,588	31,206	17,200	386	413	349
1982	35,839	24,425	7,442	3,973	156,137	104,985	33,815	17,338	419	441	379
1983	36,085	25,021	7,251	3,813	167,033	114,133	35,369	17,530	441	456	396
1984	36,479	25,474	7,182	3,822	175,782	121,023	36,839	17,900	461	471	415
1985	37,058	25,989	7,162	3,907	186,195	128,536	38,824	18,836	479	484	433
1986, total [6]	**37,622**	**26,490**	**7,155**	**3,977**	**196,692**	**135,949**	**40,896**	**19,847**	**488**	**488**	**444**
U.S	**36,726**	**25,986**	**6,954**	**3,806**	**193,631**	**134,273**	**40,105**	**19,253**	**491**	**490**	**447**
New England	**2,063**	**1,537**	**342**	**184**	**11,357**	**8,327**	**2,098**	**932**	(NA)	(NA)	(NA)
Maine	204	146	36	22	1,013	704	205	104	448	451	421
New Hampshire	152	113	24	14	814	602	144	68	490	481	456
Vermont	85	61	15	9	433	304	87	42	476	478	432
Massachusetts	941	702	158	81	5,171	3,775	977	419	492	482	460
Rhode Island	176	130	28	18	959	701	165	93	489	461	448
Connecticut	504	384	80	40	2,967	2,241	520	206	536	497	483
Middle Atlantic	**6,154**	**4,484**	**1,115**	**575**	**36,207**	**26,086**	**6,937**	**3,204**	(NA)	(NA)	(NA)
New York	2,802	2,035	493	274	16,185	11,806	3,042	1,537	524	509	467
New Jersey	1,189	877	204	107	6,998	5,081	1,311	606	533	513	478
Pennsylvania	2,163	1,552	418	194	12,024	8,379	2,584	1,061	507	508	463
East North Central	**6,525**	**4,571**	**1,268**	**686**	**36,213**	**24,817**	**7,846**	**3,550**	(NA)	(NA)	(NA)
Ohio	1,724	1,182	353	189	9,365	6,203	2,180	982	502	510	460
Indiana	868	606	165	98	4,806	3,294	1,022	490	510	506	459
Illinois	1,701	1,215	329	157	9,625	6,794	2,028	803	520	509	467
Michigan	1,426	979	283	164	8,039	5,388	1,753	898	521	534	468
Wisconsin	805	588	138	78	4,378	3,138	863	377	502	491	459
West North Central	**2,913**	**2,124**	**545**	**244**	**15,166**	**10,780**	**3,181**	**1,205**	(NA)	(NA)	(NA)
Minnesota	639	476	116	47	3,311	2,400	678	233	473	482	439
Iowa	511	376	96	39	2,726	1,952	577	197	492	481	447
Missouri	877	618	167	92	4,535	3,125	951	459	475	480	432
North Dakota	108	78	22	8	529	374	121	34	458	452	415
South Dakota	124	90	24	10	596	420	132	44	450	449	412
Nebraska	261	194	47	19	1,362	987	283	92	483	474	444
Kansas	394	291	73	30	2,107	1,522	439	146	498	472	451
South Atlantic	**6,564**	**4,602**	**1,225**	**737**	**32,919**	**22,621**	**6,659**	**3,639**	(NA)	(NA)	(NA)
Delaware	97	70	17	10	530	371	105	54	509	489	455
Maryland	575	409	115	51	3,078	2,130	666	282	488	501	447
District of Columbia	81	57	17	7	381	266	78	37	422	429	375
Virginia	778	528	158	92	3,802	2,500	847	455	456	469	402
West Virginia	360	217	85	58	1,827	1,069	476	282	483	514	413
North Carolina	979	663	195	121	4,862	3,104	975	583	448	450	375
South Carolina	497	321	101	75	2,341	1,496	507	338	450	456	371
Georgia	818	521	175	121	3,873	2,422	887	564	445	456	381
Florida	2,381	1,816	363	202	12,425	9,263	2,118	1,044	487	498	449
East South Central	**2,496**	**1,585**	**550**	**362**	**11,579**	**7,177**	**2,762**	**1,640**	(NA)	(NA)	(NA)
Kentucky	617	385	137	95	2,895	1,746	710	439	443	479	398
Tennessee	777	512	163	103	3,680	2,374	833	473	449	457	386
Alabama	668	422	153	93	3,128	1,928	772	428	445	460	378
Mississippi	434	266	97	71	1,878	1,129	447	300	413	439	346
West South Central	**3,570**	**2,372**	**805**	**393**	**17,196**	**11,166**	**4,243**	**1,787**	(NA)	(NA)	(NA)
Arkansas	449	298	90	61	2,056	1,328	444	284	429	457	371
Louisiana	810	362	155	92	2,853	1,656	793	404	453	482	396
Oklahoma	506	354	105	48	2,500	1,697	571	232	470	470	412
Texas	2,004	1,358	454	192	9,787	6,485	2,435	867	470	472	415
Mountain	**1,713**	**1,233**	**308**	**171**	**8,748**	**6,169**	**1,728**	**851**	(NA)	(NA)	(NA)
Montana	129	91	25	13	660	456	140	64	478	494	443
Idaho	147	109	25	13	744	536	144	64	476	495	437
Wyoming	56	41	11	5	291	205	64	22	487	489	443
Colorado	374	265	71	38	1,900	1,309	409	185	477	502	436
New Mexico	192	129	40	23	914	604	209	107	461	481	399
Arizona	516	379	85	51	2,679	1,937	473	269	494	520	449
Utah	169	123	31	14	884	636	182	66	501	485	455
Nevada	130	96	21	13	676	486	116	74	491	514	453
Pacific	**4,729**	**3,477**	**796**	**456**	**25,243**	**18,147**	**4,652**	**2,444**	(NA)	(NA)	(NA)
Washington	654	487	107	60	3,569	2,605	651	313	507	503	460
Oregon	458	345	74	39	2,467	1,804	439	214	477	510	454
California	3,456	2,524	589	343	18,411	13,144	3,418	1,849	497	497	452
Alaska	27	17	7	3	139	86	36	17	502	507	397
Hawaii	134	104	19	10	667	508	108	51	486	472	414
Puerto Rico	549	297	102	150	1,715	856	348	511	309	393	273
Guam	4	2	2	1	12	7	4	1	332	423	272
American Samoa	3	1	1	1	7	3	3	1	294	357	211
Virgin Islands	8	5	2	1	38	25	9	4	434	416	343
Abroad	331	219	94	18	1,289	785	427	77	385	464	358

NA Not available. [1] Includes special benefits; see footnote 9, table 565. [2] Includes benefits payable to dependents. [3] Includes lump-sum payments to survivors of deceased workers only. [4] Excludes persons with special benefits. [5] Nondisabled widows and widowers and disabled widows and widowers age 50 and over. [6] Data for beneficiaries preliminary.

Source: U.S. Social Security Administration. Quarterly in *Social Security Bulletin*.

Digitized by Google

No. 567. Individual Retirement Account (IRA), Keogh Account and Pension Plan Coverage of Employed Persons: 1983

[In thousands, except percent. As of May. Covers only persons employed for pay. Data based on supplement to Current Population Survey (see text, section 1) conducted for U.S. Dept. of Health and Human Services and Employee Benefit Research Institute]

Sex, age, and class of worker	Employed persons	IRA and Keogh account				Nonagricultural wage and salary workers	Pension plan coverage			
		Persons with an IRA [1]		Persons with spousal IRA [1]	Persons with Keogh account [2]		Persons covered		Persons participating in plan	Persons with vesting [3]
		Number	Percent of employed				Number	Percent of wage and salary workers		
Total	96,964	16,713	16.9	1,954	439	88,214	49,530	56.1	40,699	28,708
Male	56,028	10,224	18.3	1,812	392	46,199	26,515	59.2	24,808	17,824
Female	42,936	6,489	15.1	142	(4)	40,015	21,015	52.5	15,891	10,884
Less than 25 years old	19,122	445	2.3	(4)	(4)	17,991	6,376	35.4	3,225	1,536
25–34 years old	28,773	3,106	10.8	113	(4)	26,020	15,239	58.6	12,390	7,672
35–44 years old	21,484	3,967	18.5	279	92	18,971	12,232	64.5	10,920	8,157
45–54 years old	15,493	4,532	29.3	580	133	13,590	8,737	64.3	7,990	6,296
55–59 years old	6,897	2,687	39.0	518	99	6,059	4,071	67.2	3,705	3,009
60–64 years old	4,321	1,482	34.3	336	(4)	3,611	2,184	60.5	2,003	1,548
65 years old and over	2,870	491	17.1	124	(4)	1,971	691	35.1	465	390
Private	74,071	12,040	16.3	1,475	(X)	72,465	36,458	50.3	29,167	18,599
Federal government	3,235	778	24.1	(4)	(X)	3,235	2,809	86.8	2,564	2,325
State and local government	12,513	2,245	17.9	185	(X)	12,513	10,263	82.0	8,968	7,783
Self-employed	9,144	1,649	18.0	229	439	(X)	(X)	(X)	(X)	(X)

X Not applicable. [1] Figures represent IRA participation in 1982. [2] A retirement plan similar to IRAs which is available to self-employed persons and unincorporated partnerships only. [3] Workers entitled to receive retirement benefits and those eligible for lump sum distributions. [4] Figure does not meet standards of reliability.

Source: Employee Benefit Research Institute, Washington, DC, *Individual Retirement Accounts: Characteristics and Policy Implications,"* Issue Brief #32, 1984, and *New Survey Findings on Pension Coverage and Benefit Entitlement,"* Issue Brief #33, 1984, and unpublished data.

No. 568. Pension Plan Coverage of Civilian Workers by Wage or Salary Income: 1985

[Covers civilian workers as of March of following year who had earnings in year shown. Based on Current Population Survey; see text, section 1 and Appendix III]

Sex, age, race and Hispanic origin	Number with coverage (1,000)					Percent of total civilian workers				
	Total [1]	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000 and over	Total [1]	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000 and over
Total [2]	48,959	3,930	7,147	8,491	27,826	42.8	21.9	40.9	59.4	73.4
Male [2]	20,083	1,190	2,508	4,046	20,787	47.5	16.8	33.0	54.6	72.8
15–24 years old	1,861	320	404	488	488	14.0	12.3	22.1	47.0	53.7
25–34 years old	8,346	322	900	1,436	5,582	46.9	15.8	30.9	49.7	65.6
35–44 years old	8,330	174	465	926	6,708	63.4	18.9	37.3	59.4	78.1
45–64 years old	10,064	297	691	1,132	7,778	66.4	26.3	46.2	62.9	78.8
Female [2]	19,878	2,740	4,639	4,445	7,037	37.4	25.3	48.9	64.6	75.1
15–24 years old	1,729	442	629	304	157	13.9	17.2	35.5	50.3	49.7
25–34 years old	6,158	887	1,463	1,563	2,179	40.9	23.2	45.9	62.0	68.6
35–44 years old	5,415	612	1,093	1,179	2,333	46.7	26.7	48.8	66.2	78.6
45–64 years old	6,254	920	1,400	1,358	2,304	49.3	34.0	54.5	71.6	82.0
White	42,359	3,221	5,858	7,042	24,954	42.8	21.5	39.6	57.8	72.8
Black	5,296	608	1,101	1,235	2,113	43.2	25.4	50.0	70.8	82.2
Hispanic [4]	2,393	306	453	494	1,047	31.3	16.8	32.5	50.0	67.1

[1] Includes workers with income under $5,000, not shown separately. [2] Includes other races, not shown separately. [3] Includes persons 65 years old and over, not shown separately. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155.

Digitized by Google

No. 569. Assets of Private and Public Pension Funds, by Type of Fund: 1970 to 1986

[In billions of dollars. As of end of year. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 564]

TYPE OF PENSION FUND	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total, all types	**239.2**	**431.7**	**747.4**	**913.9**	**987.8**	**1,152.4**	**1,358.3**	**1,477.2**	**1,738.3**	**1,967.4**
Private funds	151.4	285.0	510.0	639.4	677.3	792.0	935.0	990.7	1,157.4	1,295.1
Insured	41.0	72.3	143.5	172.0	199.8	242.9	286.4	331.6	400.0	468.8
Noninsured [1]	110.4	212.6	366.5	467.4	477.6	549.1	648.7	659.1	757.4	826.3
Corporate equities	67.1	106.0	166.5	231.3	210.0	258.1	311.3	297.2	383.0	436.6
U.S. Government securities	3.0	19.6	40.5	53.7	73.0	79.4	92.4	99.7	106.5	112.2
Corporate bonds [2]	29.4	42.4	67.6	79.7	85.1	91.6	103.3	113.7	119.4	122.2
Other	10.9	42.6	91.9	102.7	109.5	120.0	141.7	148.5	148.5	155.2
Public funds	87.8	146.7	237.4	274.5	310.4	360.5	423.2	486.5	580.8	672.3
State and local government	60.3	104.6	169.7	198.1	224.2	262.5	311.2	356.8	432.1	502.7
Corporate bonds [2]	35.1	61.6	85.0	94.5	103.8	107.3	106.6	118.1	123.3	131.4
Corporate equities	8.0	23.2	36.8	42.1	49.2	55.2	75.2	82.5	103.3	114.5
U.S. Government securities	6.6	7.8	30.1	40.0	51.6	71.2	88.2	111.2	128.7	149.7
Other	10.6	12.0	17.8	21.4	19.4	28.6	41.2	44.6	76.8	107.1
U.S. Government	27.5	41.9	67.7	76.4	86.2	97.9	112.0	130.0	148.8	169.6
Civil service [3]	23.0	38.5	64.6	73.9	84.8	97.4	111.4	126.9	144.6	163.4
Railroad retirement	4.5	3.4	3.1	2.5	1.4	.5	.6	3.1	4.2	6.2

[1] Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes deferred profit-sharing plans; excludes health, welfare, and bonus plans. [2] Includes foreign bonds. [3] Includes U.S. Foreign Service Retirement and Disability Trust Fund.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-83; Annual Statistical Digest,* and unpublished data.

No. 570. Public Employee Retirement Systems—Beneficiaries and Benefits: 1970 to 1985

[Number of beneficiaries as of end of year]

YEAR	Unit	Total	LEVEL OF GOVERNMENT				TYPE OF BENEFIT			
			Federal			State and local	Age and service	Disability	Survivor	
			Total [1]	Civil service	Armed Forces				Monthly	Lump-sum
Beneficiaries:										
1970	1,000	3,050	1,759	959	773	1,291	2,204	419	427	(x)
1975	1,000	4,426	2,480	1,372	1,073	1,948	3,243	549	636	(x)
1980	1,000	5,659	3,052	1,675	1,330	2,607	4,200	708	751	(x)
1983	1,000	6,295	3,390	1,913	1,427	2,895	4,657	786	842	(x)
1984	1,000	6,683	3,419	1,910	1,458	3,274	5,127	730	826	(x)
1985	1,000	6,903	3,512	1,972	1,487	3,392	5,268	751	884	(x)
Benefits:										
1970	Mil. dol.	9,355	6,075	2,820	3,133	3,280	7,210	1,312	645	189
1975	Mil. dol.	21,617	14,582	7,532	6,808	7,025	17,200	2,707	1,439	271
1980	Mil. dol.	41,080	28,042	15,065	12,478	13,018	32,416	5,371	2,896	377
1983	Mil. dol.	55,501	37,435	20,627	16,142	18,066	43,581	7,351	4,079	491
1984	Mil. dol.	58,624	38,824	21,509	16,607	19,800	45,854	7,676	4,556	538
1985	Mil. dol.	63,378	40,877	22,725	17,416	22,501	50,626	7,507	4,702	543

X Not applicable. [1] Includes other Federal systems, not shown separately.

No. 571. Public Employee Retirement Systems—Average Annual Benefits per Annuitant: 1970 to 1985

[In dollars]

YEAR	ALL GOVERNMENTS				FEDERAL				STATE AND LOCAL			
	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor
CURRENT DOLLARS												
1970	3,005	3,271	3,136	1,512	3,440	4,065	3,174	1,446	2,413	2,452	2,865	1,667
1975	4,821	5,304	4,931	2,263	5,875	6,873	5,254	2,558	3,478	3,690	3,867	1,719
1980	7,190	7,719	7,588	3,855	9,161	10,529	9,324	4,481	4,859	5,029	5,821	2,624
1983	8,680	9,358	9,352	4,842	11,030	12,801	9,933	5,325	6,084	6,127	6,077	3,671
1984	8,759	8,944	10,515	5,450	11,355	12,820	10,844	6,003	6,048	5,744	9,767	4,091
1985	9,181	9,610	9,996	5,319	12,803	13,271	11,094	5,905	5,919	6,637	7,491	3,826
CONSTANT (1985) DOLLARS [1]												
1970	7,836	8,532	8,180	3,944	8,973	10,603	8,279	3,772	6,294	6,396	7,734	4,348
1975	9,112	10,026	9,266	4,278	11,105	12,991	9,931	4,835	6,574	6,975	7,309	3,249
1980	9,291	9,974	9,805	4,981	11,843	13,605	10,756	5,790	6,279	6,498	7,522	3,391
1983	9,330	10,059	10,053	5,205	11,856	13,760	10,677	5,723	6,539	6,586	6,682	3,946
1984	9,067	9,258	10,885	5,642	11,754	13,271	11,225	6,214	6,261	5,945	10,110	4,235
1985	9,181	9,610	9,996	5,319	12,803	13,271	11,094	5,905	5,919	6,637	7,491	3,826

[1] Constant dollar figures are based on implicit price deflators for personal consumption expenditures revised by U.S. Bureau of Economic Analysis, 1986.

Source of tables 570 and 571: U.S. Social Security Administration, *Social Security Bulletin,* April 1986, and unpublished data.

Digitized by Google

No. 572. Federal Civil Service Retirement: 1970 to 1986

[As of end of fiscal year or for fiscal year ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Annuitants, total	1,000	958	1,372	1,675	1,779	1,828	1,870	1,910	1,937	2,017
Age and service	1,000	477	732	905	973	1,010	1,045	1,082	1,467	1,519
Disability	1,000	185	258	343	348	348	343	338		
Survivors	1,000	296	382	427	458	470	482	490	470	496
Receipts, total [1]	Mil. dol.	4,683	11,377	24,389	28,529	31,856	34,711	36,841	40,194	42,600
Employee contributions	Mil. dol.	1,740	2,554	3,686	4,006	4,171	4,399	4,608	4,597	4,549
Federal government contributions	Mil. dol.	1,952	6,707	15,562	18,193	19,443	20,615	20,848	22,439	23,072
Disbursements, total [2]	Mil. dol.	2,752	7,207	14,977	17,779	19,656	20,889	21,951	23,091	24,023
Age and service annuitants [3]	Mil. dol.	2,129	6,052	12,639	15,010	16,406	17,602	18,403	19,319	20,063
Survivors	Mil. dol.	389	908	1,912	2,265	2,533	2,783	2,943	3,133	3,293
Average monthly benefit:										
Age and service	Dollars	362	620	992	1,036	1,117	1,150	1,149	1,098	1,100
Disability	Dollars	221	406	723	756	820	851	851		
Survivors	Dollars	116	209	392	419	463	486	501	556	551
Cash and security holdings	Bil. dol.	22.4	38.4	73.7	84.4	96.6	110.5	125.3	140.9	159.5

[1] Includes interest on investments. [2] Includes refunds, death claims, and administration. [3] Includes disability annuitants.
Source: U.S. Office of Personnel Management, *Compensation Report*, annual.

No. 573. State and Local Government Retirement Systems—Finances: 1970 to 1986

[In millions of dollars. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
	Total	Employee contributions	Government contributions		Earnings on investments	Total	Benefits	Withdrawals	
			State	Local					
1970: All systems	9,848	2,788	2,046	2,554	2,460	3,638	3,037	601	54,918
State-administered	7,184	2,149	1,978	1,237	1,821	2,382	1,913	469	39,966
Locally administered	2,664	639	67	1,318	639	1,256	1,124	132	14,952
1975: All systems	18,896	4,468	4,093	5,023	5,294	7,490	6,540	950	98,064
State-administered	14,208	3,552	3,974	2,623	4,059	5,207	4,480	727	74,703
Locally administered	4,690	936	119	2,400	1,236	2,283	2,060	223	23,361
1980: All systems	37,313	6,466	7,561	9,951	13,315	14,008	12,207	1,801	185,226
State-administered	28,603	5,285	7,399	5,611	10,308	10,257	8,809	1,448	144,682
Locally administered	8,710	1,180	161	4,340	3,008	3,752	3,399	353	40,544
1985: All systems	71,731	9,479	12,227	15,172	34,852	24,164	21,999	2,166	373,932
State-administered	56,313	7,913	11,976	8,944	27,480	17,987	16,189	1,798	296,692
Locally administered	15,418	1,567	251	6,228	7,372	6,177	5,810	367	77,240
1986: All systems	88,149	10,586	12,446	16,152	48,965	26,521	24,442	2,079	437,229
State-administered	68,982	8,939	12,162	9,531	38,350	19,878	18,187	1,691	347,361
Locally administered	19,167	1,647	284	6,622	10,615	6,644	6,255	389	89,868

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, series GF, No. 2, annual.

No. 574. Protection Against Short-Term Sickness Income Loss: 1970 to 1984

[In millions of dollars, except percent. "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984
Short-term sickness income loss	16,757	23,595	32,811	36,072	38,529	41,278	42,558	45,615	52,776
Total protection provided [1]	**5,888**	**9,002**	**11,751**	**13,371**	**14,426**	**15,113**	**16,209**	**16,411**	**17,568**
Protection as percent of loss	35.1	38.2	35.8	37.1	37.4	36.6	38.2	36.0	33.3
Benefits provided by protection:									
Individual insurance	694	973	1,210	1,322	1,280	1,291	1,595	1,152	1,410
Group benefits to workers in private employment	2,952	4,328	5,782	6,987	7,633	8,011	8,498	8,614	8,937
Private cash insurance [2]	1,476	2,011	2,403	3,216	3,271	2,959	2,931	2,708	2,507
Publicly operated cash sickness funds [3]	411	538	609	699	770	953	987	1,008	966
Sick leave	1,066	1,779	2,770	3,072	3,593	4,099	4,581	4,899	5,462
Sick leave for government employees	2,242	3,542	4,579	4,892	5,338	5,641	6,026	6,490	7,221

[1] Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. Data for 1975-1983 include benefits for the sixth month of disability payable under old-age, survivors, disability, and health insurance program, not shown separately. [2] Group accident and sickness insurance and self-insurance privately written either on a voluntary basis or in compliance with State temporary disability insurance laws in CA, HI, NJ, and NY. Includes a small but undetermined amount of group disability insurance benefits paid to government workers and to self-employed persons through farm, trade, or professional associations. [3] Includes State-operated plans in RI, CA, and NJ; State Insurance Fund and special fund for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.

Source: U.S. Social Security Administration, *Social Security Bulletin*, May 1986 and unpublished data.

Digitized by Google

NO. 575. MEDICARE PROGRAM—ENROLLMENT AND PAYMENTS: 1970 TO 1986

[Enrollment as of **July 1**; payments for calendar year. Benefit payments represent trust fund outlays. Includes Puerto Rico, outlying areas, and enrollees in foreign countries. See text, section 12 for explanation of coverage]

TYPE OF INSURANCE	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
HOSPITAL AND/OR MEDICAL INSURANCE												
Enrollment, total	1,000	20,491	24,959	27,164	27,859	28,478	29,010	29,494	30,026	30,455	31,083	31,788
Benefit payments	Mil. dol	7,099	15,588	24,934	29,331	35,699	43,455	51,086	57,443	62,918	70,527	75,997
HOSPITAL INSURANCE												
Enrollment, total	1,000	20,361	24,640	26,777	27,459	28,067	28,590	29,069	29,587	29,996	30,589	31,263
Persons 65 and over	1,000	20,361	22,472	23,984	24,548	25,104	25,591	26,115	26,670	27,112	27,683	28,322
Disabled persons [1]	1,000	(x)	2,168	2,793	2,911	2,963	2,999	2,954	2,918	2,884	2,907	2,942
Benefit payments	Mil. dol	5,124	11,315	17,682	20,623	25,064	30,342	35,631	39,337	43,257	47,560	49,758
MEDICAL INSURANCE												
Enrollment, total	1,000	19,584	23,904	26,074	26,757	27,400	27,941	28,412	28,975	29,415	29,989	30,623
Persons 65 and over	1,000	19,584	21,945	23,531	24,098	24,680	25,182	25,707	26,292	26,764	27,311	27,925
Disabled persons [1]	1,000	(x)	1,959	2,543	2,659	2,719	2,759	2,705	2,682	2,651	2,678	2,698
Benefit payments	Mil. dol	1,975	4,273	7,252	8,708	10,635	13,113	15,455	18,106	19,661	22,947	26,239

X Not applicable. [1] Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only.

Source: U.S. Health Care Financing Administration. Published in U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*.

NO. 576. MEDICARE—PERSONS SERVED AND REIMBURSEMENTS: 1975 TO 1984

[Persons served are enrollees who use covered services, incurred expenses greater than the applicable deductible amounts and for whom Medicare paid benefits. Reimbursements are amounts paid to providers for covered services. Excluded are retroactive adjustments resulting from end of fiscal year cost settlements and certain lump-sum interim payments. Also excluded are beneficiary (or third party payor) liabilities for applicable deductibles, coinsurance amounts, and charges for non-covered services. Includes data for enrollees living in outlying territories and foreign countries]

TYPE OF COVERAGE AND SERVICE	Unit	PERSONS 65 YEARS OLD AND OVER				DISABLED PERSONS [1]			
		1975	1980	1983	1984	1975	1980	1983	1984
Persons served, total [2]	**1,000**	**12,032**	**16,271**	**17,897**	**18,904**	**975**	**1,760**	**1,835**	**1,845**
Hospital insurance [2]	1,000	4,963	6,024	6,691	6,496	475	728	752	700
Inpatient hospital	1,000	4,913	5,951	6,441	6,195	472	721	729	674
Skilled-nursing services	1,000	260	246	257	290	6	9	8	9
Home health services [3]	1,000	329	675	1,228	1,398	22	51	90	100
Supplementary medical insurance [2]	1,000	11,762	16,099	17,675	18,706	924	1,723	1,797	1,812
Physicians' and other medical services	1,000	11,396	15,627	17,209	18,128	865	1,631	1,714	1,721
Outpatient services	1,000	3,768	6,629	8,065	6,743	399	909	1,024	1,029
Home health services [3]	1,000	161	302	20	24	13	25	(NA)	20
Persons served per 1,000 enrollees, total [2]	**Rate**	**528**	**638**	**660**	**686**	**450**	**594**	**629**	**640**
Hospital insurance [2]	Rate	221	240	251	240	219	246	258	243
Inpatient hospital	Rate	219	237	242	229	218	243	250	234
Skilled-nursing services	Rate	12	10	10	11	4	3	3	3
Home health services [3]	Rate	15	27	46	52	10	17	31	35
Supplementary medical insurance [2]	Rate	536	652	672	699	471	634	670	684
Physicians' and other medical services	Rate	519	633	655	677	442	600	639	649
Outpatient services	Rate	172	269	307	327	204	334	382	388
Home health services [3]	Rate	7	12	1	1	7	9	(NA)	6
Reimbursements, total	**Mil. dol**	**12,689**	**29,134**	**46,727**	**(NA)**	**1,509**	**4,478**	**6,711**	**(NA)**
Hospital insurance	Mil. dol	9,209	20,353	32,141	(NA)	987	2,765	4,173	(NA)
Inpatient hospital	Mil. dol	8,840	19,583	30,469	(NA)	968	2,714	4,059	(NA)
Skilled-nursing services	Mil. dol	233	331	413	(NA)	9	13	15	(NA)
Home health services [3]	Mil. dol	136	440	1,258	(NA)	10	38	108	(NA)
Supplementary medical insurance	Mil. dol	3,481	8,781	14,586	(NA)	522	1,713	2,538	(NA)
Physicians' and other medical services	Mil. dol	3,050	7,361	12,105	(NA)	295	997	1,555	(NA)
Outpatient services	Mil. dol	374	1,261	2,460	(NA)	221	701	983	(NA)
Home health services [3]	Mil. dol	56	159	22	(NA)	5	16	(NA)	(NA)
Reimbursements, per person served, total	**Dollars**	**1,055**	**1,791**	**2,611**	**(NA)**	**1,548**	**2,544**	**3,658**	**(NA)**
Hospital insurance	Dollars	1,855	3,379	4,804	(NA)	2,077	3,798	5,550	(NA)
Inpatient hospital	Dollars	1,799	3,291	4,730	(NA)	2,051	3,765	5,558	(NA)
Skilled-nursing services	Dollars	896	1,336	1,612	(NA)	1,049	1,571	1,856	(NA)
Home health services [3]	Dollars	413	652	1,025	(NA)	478	733	1,200	(NA)
Supplementary medical insurance	Dollars	296	545	825	(NA)	565	994	1,412	(NA)
Physicians' and other medical services	Dollars	268	471	703	(NA)	341	611	908	(NA)
Outpatient services	Dollars	99	190	305	(NA)	554	771	960	(NA)
Home health services [3]	Dollars	347	526	1,098	(NA)	420	619	(NA)	(NA)

NA Not available. [1] Age under 65; includes persons enrolled because of end-stage renal disease (ESRD) only. [2] Persons are counted once for each type of covered service used, but are not double counted in totals. [3] Beginning 1982, a change in legislation resulted in virtually all home health services being paid under hospital insurance.

Source: U.S. Health Care Financing Administration, *Medicare Program Statistics*, annual; and unpublished data.

Digitized by Google

No. 577. Medicare—Hospital Utilization and Hospital and Physician Charges: 1970 to 1985

[Data reflect date expense was incurred based on bills submitted for payment and recorded in Health Care Financing Administration central records through March 1987. Includes Puerto Rico, Virgin Islands, Guam, other outlying areas and enrollees in foreign countries]

Item	Unit	Persons 65 years old and over					Disabled persons [2]			
		1970	1975	1980	1984 [1]	1985 [1]	1975	1980	1984 [1]	1985 [1]
Hospital inpatient care:										
Admissions	1,000	6,141	7,407	9,258	10,335	9,740	822	1,271	1,364	1,313
Per 1,000 enrollees [2]	Rate	302	330	369	381	352	379	429	473	452
Covered days of care	Millions	79	84	98	94	90	9	13	13	13
Per 1,000 enrollees [2]	Rate	3,902	3,731	3,885	3,480	3,260	4,198	4,549	4,439	4,310
Per admission	Days	12.9	11.3	10.5	9.1	9.3	11.1	10.6	9.4	9.5
Hospital covered charges	Mil. dol	5,968	12,099	28,615	51,790	55,592	1,371	4,087	7,029	7,592
Per covered day	Dollars	75	144	293	549	616	151	303	549	606
Percent of covered charges reimbursed	Percent	78.0	75.9	70.0	67.0	66.1	73.6	68.6	66.5	65.2
Physician allowed charges	Mil. dol	2,310	4,023	9,011	15,801	17,504	367	1,112	1,706	1,792
Percent reimbursed	Percent	71.9	74.3	78.0	78.1	78.9	76.1	78.7	78.4	78.8

[1] Estimated to adjust for bill processing lag. [2] Disabled persons under age 65 and persons enrolled solely because of end-stage renal disease (ESRD) [3] Based on Hospital Insurance (HI) enrollment as of July 1.

Source: U.S. Health Care Financing Administration, unpublished data.

No. 578. Medicare and Medicaid—Summary, by State and Other Areas: 1980 and 1986

[1986 data are preliminary estimates. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Medicare			Medicaid [3]		
	Enrollment,[1] 1986 (1,000)	Payments [2] (mil. dol.) 1980	1986	Recipients,[4] 1986 (1,000)	Payments (mil. dol.) 1980	1986
Total	31,768	35,699	75,997	22,337	23,311	40,805
U.S.[5]	31,107	35,561	75,734	20,561	23,210	40,645
Region:						
Northeast	7,199	9,071	18,635	5,056	6,138	14,639
Midwest	7,998	9,507	19,388	5,213	5,637	9,866
South	10,451	10,412	23,440	5,741	5,557	9,708
West	5,438	6,529	14,256	4,551	3,878	6,432
N. Eng	1,812	2,238	4,442	1,053	1,781	3,114
ME	173	177	335	125	131	283
NH	127	120	228	35	72	133
VT	71	68	122	50	59	95
MA	843	1,179	2,328	529	1,009	1,665
RI	153	189	363	97	160	263
CT	445	505	1,066	217	350	675
Mid. Atl	5,387	6,833	14,193	4,003	6,357	11,525
NY	2,478	3,409	6,506	2,323	4,543	8,251
NJ	1,047	1,198	2,707	561	756	1,281
PA	1,862	2,226	4,980	1,099	1,058	1,993
E. No. Cent	5,456	6,720	13,676	3,977	4,114	7,241
OH	1,439	1,606	3,213	1,086	809	2,050
IN	711	719	1,985	298	354	828
IL	1,473	2,046	3,951	1,064	1,192	1,675
MI	1,155	1,620	3,040	1,120	1,072	1,768
WI	678	729	1,487	409	687	920
W. No. Cent	2,542	2,787	5,711	1,236	1,523	2,625
MN	561	594	1,179	344	590	1,044
IA	445	453	826	222	230	374
MO	753	888	2,002	360	295	556
ND	95	109	225	40	47	121
SD	106	96	197	37	55	103
NE	232	234	432	102	109	188
KS	350	413	851	131	197	239
So. Atl	5,483	5,555	12,776	2,698	2,511	4,722
DE	76	87	167	39	45	79
MD	491	622	1,321	323	322	680
DC	80	149	283	99	168	201
VA	648	614	1,384	314	359	595
WV	296	260	647	211	104	201
NC	791	642	1,393	378	401	751
SC	388	302	689	262	258	394
GA	667	601	1,360	484	462	818
FL	2,044	2,278	5,532	588	392	1,003
E. So. Cent	2,042	1,879	4,101	1,385	1,150	1,936
KY	504	437	930	415	296	537
TN	642	594	1,512	395	360	719
AL	545	523	1,139	316	263	410
MS	351	324	720	259	211	270
W. So. Cent	2,926	2,979	6,563	1,658	1,896	3,060
AR	376	333	720	203	235	434
LA	484	467	1,051	446	415	780
OK	430	443	890	242	265	422
TX	1,636	1,736	3,902	767	981	1,414
Mt	1,395	1,304	2,893	446	505	917
MT	108	99	198	52	62	112
ID	120	97	216	40	52	85
WY	46	44	88	21	14	33
CO	310	315	663	132	182	304
NM	154	137	299	92	70	164
AZ	416	383	912	(x)	(x)	(x)
UT	139	110	248	76	80	140
NV	102	119	269	33	45	79
Pac	4,043	5,225	11,362	4,105	3,373	5,515
WA	546	507	1,172	358	329	628
OR	382	365	800	163	178	260
CA	2,992	4,219	9,138	3,466	2,726	4,405
AK	18	18	42	29	28	85
HI	105	96	210	89	109	137
PR	400	124	232	1,762	97	156
Outlying areas	10	4	8	[6] 14	[6] 2	[6] 4
Foreign	250	9	24	(x)	(x)	(x)

X Not applicable. [1] Hospital and/or medical insurance enrollment as of July 1. [2] Payments are for calendar year and represent total disbursements from Federal hospital and supplementary medical insurance trust funds. Estimates of distribution by State based on interim reimbursements. [3] For fiscal year ending Sept. 30. [4] Persons receiving Medicaid at any time during year. [5] Includes data for enrollees with residence unknown. [6] Virgin Islands only.

Source: U.S. Health Care Financing Administration, *Medicare Program Statistics, Selected State Data, 1978-1982*, May 1984 and unpublished data.

Digitized by Google

No. 579. Medicaid—Selected Characteristics of Persons Covered, by Poverty Status: 1980 to 1985

[In thousands, except percent. Represents number of persons as of March of following year who were enrolled at any time in year shown. Person did not have to receive medical care paid for by Medicaid in order to be counted. See headnote, table 556]

POVERTY STATUS	1980, total	1983, total	1984, total	1985							
				Total [1]	White	Black	Hispanic [2]	Under 15 years old	15–44 years old	45–64 years old	65 years and over
Persons covered, total	**18,966**	**19,286**	**19,348**	**19,204**	**12,134**	**6,349**	**2,724**	**7,213**	**7,437**	**1,836**	**2,716**
Below poverty level	11,113	13,224	13,207	12,652	7,459	4,666	2,035	5,634	4,919	1,017	1,082
Above poverty level	7,854	6,062	6,141	6,552	4,675	1,681	689	1,579	2,518	821	1,634
Percent of total population	**8.4**	**8.3**	**8.3**	**8.1**	**6.0**	**22.3**	**16.5**	**13.9**	**8.6**	**4.1**	**10.0**
Below poverty level	39.1	36.7	40.4	39.7	34.0	53.7	42.7	51.8	36.6	24.5	32.1
Above poverty level	4.0	3.1	3.1	3.2	2.8	8.5	5.9	3.9	2.5	2.0	6.9

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155, and earlier reports.

No. 580. Medical Assistance (Medicaid)—Recipients and Payments, by Basis of Eligibility and Type of Service: 1975 to 1986

[For fiscal year ending in year shown; see text, section 9. Includes Puerto Rico and outlying areas. Excludes Arizona, which has no Title XIX (Medicaid) program. Medical vendor payments are those made directly to suppliers of medical care]

BASIS OF ELIGIBILITY AND TYPE OF SERVICE	1975	1980	1982	1983	1984	1985	1986
RECIPIENTS (1,000)							
Total [1]	**22,007**	**21,605**	**21,603**	**21,554**	**21,807**	**21,808**	**22,337**
Age 65 and over	3,615	3,440	3,240	3,372	3,238	3,061	3,129
Blindness	109	92	84	77	79	80	81
Disabled [2]	2,355	2,819	2,806	2,844	2,834	2,936	3,087
AFDC [3] program	14,127	14,210	14,920	15,128	15,284	15,270	15,534
Children	9,598	9,333	9,563	9,535	9,684	9,752	10,218
Adults	4,529	4,877	5,356	5,592	5,600	5,518	5,316
Other	1,800	1,499	1,434	1,129	1,187	1,214	1,357
Inpatient services in—							
General hospital	3,432	3,680	3,530	3,696	3,467	3,434	3,504
Mental hospital	67	66	72	80	35	60	52
Intermediate care facilities:							
Mentally retarded	69	121	149	151	141	146	146
Other	682	789	765	793	796	829	835
Skilled nursing facility	630	609	559	574	559	547	560
Physicians	15,198	13,765	13,894	14,056	14,195	14,387	14,813
Dental	3,944	4,652	4,868	4,940	4,942	4,634	5,108
Other practitioner	2,673	3,234	3,223	3,306	3,353	3,357	3,437
Outpatient hospital	7,437	9,705	9,853	10,069	10,035	10,072	10,721
Clinic	1,086	1,531	1,702	1,760	2,037	2,121	2,053
Laboratory [4]	4,738	3,212	3,814	4,462	4,822	6,354	7,117
Home health	243	392	377	422	438	535	599
Prescribed drugs	14,155	13,707	13,547	13,732	13,935	13,921	14,667
Family planning	1,217	1,129	1,506	1,538	1,577	1,636	1,714
PAYMENTS (mil. dol.)							
Total [1]	**12,242**	**23,311**	**29,399**	**32,391**	**33,891**	**37,508**	**40,805**
Age 65 and over	4,358	8,739	10,739	11,954	12,815	14,096	15,335
Blindness	93	124	172	183	219	249	271
Disabled [2]	3,052	7,497	10,233	11,184	11,758	13,203	14,364
AFDC [3] program	4,248	6,354	7,567	8,322	8,398	9,160	9,965
Children	2,186	3,123	3,473	3,836	3,979	4,414	4,802
Adults	2,062	3,231	4,093	4,487	4,420	4,746	5,163
Other	494	596	689	747	700	798	868
Inpatient services in—							
General hospital	3,374	6,412	7,670	8,813	8,848	9,453	10,170
Mental hospital	405	775	974	993	1,042	1,192	1,112
Intermediate care facilities:							
Mentally retarded	381	1,989	3,467	4,079	4,256	4,719	5,068
Other	1,885	4,202	4,979	5,381	5,823	6,526	6,821
Skilled nursing facility	2,434	3,685	4,427	4,821	4,810	5,073	5,537
Physicians	1,225	1,875	2,086	2,175	2,220	2,346	2,546
Dental	339	462	492	467	469	458	526
Other practioner	127	198	226	226	232	251	242
Outpatient hospital	373	1,101	1,438	1,574	1,646	1,789	1,980
Clinic	389	320	400	479	594	714	810
Laboratory [4]	126	121	160	184	207	337	425
Home health	70	332	496	597	774	1,120	1,381
Prescribed drugs	815	1,318	1,599	1,771	1,968	2,315	2,689
Family planning	67	61	133	156	164	195	224

[1] For 1975, recipient data are unduplicated counts of persons receiving Medicaid at any time during year. Beginning 1980, recipient data do not add due to small number of recipients that are reported in more than one category. Includes recipients of and payments for other care not shown separately. [2] Permanently and totally. [3] Aid to families with dependent children. [4] Includes radiological services.

Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, quarterly.

Digitized by Google

No. 581. State Unemployment Insurance—Summary: 1970 to 1986

[See headnote, table 582]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Insured unemployment, avg. weekly	1,000	1,805	3,986	2,359	2,433	3,350	3,047	4,061	3,396	2,476	2,611	2,650
Percent of covered employment [1]	Percent	3.4	6.0	3.3	2.9	3.9	3.5	4.6	3.9	2.8	2.9	2.8
Unemployment benefits, avg. weekly	Dollars	50	70	64	90	99	107	119	124	123	127	134
Percent of weekly wage	Percent	35.6	37.2	37.0	35.9	37.5	35.8	37.2	37.8	35.8	35.3	35.7
Weeks compensated	Million	78.9	175.3	101.0	106.1	149.0	135.9	185.3	155.5	111.6	119.3	121.5
Beneficiaries, first payments	1,000	6,402	11,160	7,565	8,074	9,992	9,401	11,648	8,907	7,743	8,350	8,322
Average duration of benefits [2]	Weeks	12.3	15.7	13.3	13.1	14.9	14.5	15.9	17.5	14.4	14.9	14.6
Claimants exhausting benefits	1,000	1,295	4,195	2,039	2,037	3,072	2,989	4,175	4,180	2,600	2,575	2,703
Percent of first payment [2]	Percent	24.4	37.8	26.7	26.7	33.2	32.4	38.5	38.4	34.1	31.3	32.5
Contributions collected [4]	Bil. dol.	2.5	5.2	11.2	12.1	11.4	11.7	12.2	14.6	18.8	19.3	18.5
Benefits paid	Bil. dol.	3.8	11.8	7.7	8.6	13.8	13.3	20.7	17.8	12.6	14.0	15.4
Funds available for benefits [5]	Bil. dol.	11.9	4.5	9.3	12.5	11.4	11.6	7.5	7.3	11.6	16.0	19.9
Average employer contribution rate [6]	Percent	1.3	1.9	2.8	2.7	2.5	2.4	2.5	2.8	3.2	3.1	2.7

[1] See footnote 1, table 582. [2] Weeks compensated divided by first payment. [3] Based on first payments for 12-month period ending June 30. [4] Contributions from employers; also employees in States which tax workers. [5] End of year. Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. [6] As percent of taxable wages.

Source: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, and *Annual Report of the Secretary of Labor*.

No. 582. State Unemployment Insurance, by State and Other Areas: 1986

[Includes unemployment compensation for State and local government employees where covered by State law. See also *Historical Statistics, Colonial Times to 1970*, series H 305–317]

STATE	AVERAGE WEEKLY— Insured unemployment		AVERAGE WEEKLY— Unemployment benefits (dol.)	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)
	Number (1,000)	Percent [1]			
United States	**2,650**	**2.8**	**134**	**8,322**	**15,403**
Alabama	43	3.2	99	175	180
Alaska	17	6.0	158	56	138
Arizona	25	2.0	111	74	106
Arkansas	28	3.6	117	96	124
California	392	3.6	118	1,114	2,074
Colorado	33	2.4	155	102	220
Connecticut	25	1.6	153	111	174
Delaware	6	2.0	143	21	44
District of Columbia	8	2.1	159	22	60
Florida	59	1.4	123	182	291
Georgia	43	1.8	109	220	219
Hawaii	9	2.1	145	27	49
Idaho	15	4.8	133	47	74
Illinois	144	3.2	141	364	857
Indiana	45	2.2	99	151	188
Iowa	29	2.9	139	85	181
Kansas	25	2.6	149	83	133
Kentucky	37	3.2	107	120	177
Louisiana	81	5.4	150	217	538
Maine	12	2.6	122	36	56
Maryland	36	2.1	136	110	206
Massachusetts	64	2.3	153	203	447
Michigan	109	3.2	153	406	733
Minnesota	45	2.5	166	135	340
Mississippi	31	4.0	93	93	107
Missouri	51	2.6	107	172	221
Montana	10	4.0	125	31	52
Nebraska	13	2.1	111	43	60
Nevada	12	2.8	133	41	75
New Hampshire	4	.8	115	23	18
New Jersey	66	2.8	156	268	630
New Mexico	17	3.5	121	42	81
New York	191	2.5	135	541	1,128
North Carolina	49	1.9	117	224	222
North Dakota	8	3.4	149	22	50
Ohio	118	2.8	148	340	712
Oklahoma	36	3.3	146	112	221
Oregon	42	4.3	138	130	305
Pennsylvania	165	3.7	153	487	1,057
Rhode Island	13	3.1	129	45	72
South Carolina	28	2.3	100	102	110
South Dakota	3	1.5	108	11	14
Tennessee	44	2.5	92	166	172
Texas	164	2.6	160	528	1,205
Utah	14	2.5	154	49	95
Vermont	5	2.5	121	18	27
Virginia	23	1.0	127	124	138
Washington	65	4.1	137	177	362
West Virginia	24	4.3	142	72	143
Wisconsin	59	3.1	141	201	347
Wyoming	8	3.9	164	24	62
Puerto Rico	42	5.8	71	72	97
Virgin Islands	1	2.2	111	2	4

[1] Insured unemployment as percent of averge covered employment in preceding year.

Source: U.S. Employment and Training Administration, *Unemployment Insurance Statistics*, monthly; and *Annual Report of the Secretary of Labor*.

Digitized by Google

No. 583. Workers' Compensation Payments: 1970 to 1985

[In millions of dollars, except as indicated. See headnote, table 564. See also *Historical Statistics, Colonial Times to 1970* series H 332–345]

Item	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Workers covered [1] (mil.)	59	67	72	76	79	79	79	78	78	82	84
Annual benefits paid	**3,891**	**6,586**	**8,629**	**9,793**	**12,027**	**13,962**	**15,816**	**16,319**	**17,611**	**19,685**	**22,470**
By private carriers [2]	1,843	3,422	4,529	5,256	6,157	7,023	7,869	8,647	9,268	10,610	12,554
From State funds [3]	755	2,324	2,750	3,039	4,022	4,333	4,614	4,795	5,066	5,578	5,874
Employers' self-insurance [4]	432	852	1,250	1,497	1,848	2,206	2,534	2,877	3,277	3,700	4,042
Type of benefit:											
Medical/hospitalization	1,050	2,030	2,680	2,980	3,520	3,930	4,420	4,877	5,697	6,420	7,300
Compensation payments	1,961	4,568	5,950	6,813	8,507	9,632	10,596	11,442	11,914	13,265	15,170
Disability	1,751	3,843	5,075	5,848	7,232	8,322	9,196	9,932	10,404	11,675	13,460
Survivor	230	725	875	965	1,275	1,310	1,400	1,510	1,510	1,590	1,710
Percent of covered payroll:											
Workers' compensation costs [5] [6]	1.11	1.32	1.71	1.86	1.95	1.96	1.84	1.73	1.67	1.64	1.61
Benefits [6]	.66	.83	.92	.94	1.01	1.06	1.08	1.15	1.18	1.20	1.31

[1] Estimated per month. [2] Net cash and medical benefits paid under standard workers' compensation policies. [3] Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including black lung benefit program. [4] Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers carrying workers' compensation policies that exclude standard medical coverage. [5] Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5–10 percent to allow for administrative costs. Also includes benefits paid and administrative costs of Federal system for government employees. [6] Excludes programs financed from general revenue—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*.

No. 584. Workers' Compensation Payments, by State: 1980 to 1985

[In millions of dollars. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with State funds. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (compiled from the *Spectator Insurance by States . . . of Casualty Lines*); from reports of State insurance commissions, and from A. M. Best Co.); net disbursements of State funds (from the *Spectator*, from *Argus Casualty and Surety Chart*, and from State reports), estimated for some States; and self-insurance payments, estimated from available State data. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Bases Compensation Act for States in which such payments are made]

STATE	1980	1982	1983	1984	1985	STATE AND PROGRAMS	1980	1982	1983	1984	1985
Total	**13,562**	**16,319**	**17,611**	**19,685**	**22,470**	Nevada	69	92	96	106	123
						New Hampshire	48	60	64	77	91
Alabama	112	132	147	166	203	New Jersey	316	350	395	444	501
Alaska	80	64	77	93	109	New Mexico	54	81	92	114	140
Arizona	120	136	171	165	198	New York	637	760	758	858	985
Arkansas	83	103	116	134	142	North Carolina	131	160	173	201	242
California	1,628	2,033	2,261	2,655	3,243	North Dakota	17	22	23	29	33
Colorado	115	181	210	251	281	Ohio	776	1,019	1,085	1,259	1,441
Connecticut	132	209	232	266	305	Oklahoma	134	211	228	268	291
Delaware	21	27	30	36	40						
						Oregon	275	307	313	346	407
District of Columbia	70	81	78	74	74	Pennsylvania	572	729	781	888	998
Florida	362	520	645	685	815	Rhode Island	55	71	81	85	97
Georgia	185	235	256	296	360	South Carolina	79	99	107	128	156
Hawaii	80	96	105	122	126	South Dakota	13	17	18	21	26
Idaho	38	44	48	56	66	Tennessee	129	149	149	175	204
Illinois	665	673	740	825	912	Texas	701	982	1,084	1,293	1,564
Indiana	101	116	129	134	152						
Iowa	99	107	110	120	125	Utah	39	51	51	66	80
Kansas	85	105	115	126	142	Vermont	15	19	24	25	30
Kentucky	161	168	168	194	225	Virginia	174	212	221	243	269
						Washington	324	419	532	627	785
Louisiana	301	384	415	431	466	West Virginia	176	212	222	249	285
Maine	81	124	145	170	211	Wisconsin	172	206	214	239	287
Maryland	187	242	255	272	306	Wyoming	14	37	44	48	47
Massachusetts	296	369	408	451	510						
Michigan	626	673	665	733	782	Federal programs:					
Minnesota	258	336	348	374	431	Civilian employees	776	898	919	1,004	1,055
Mississippi	60	71	75	83	98	Black lung benefits [1]	1,739	1,667	1,691	1,641	1,603
Missouri	124	152	172	195	233	Other [2]	8	6	6	9	7
Montana	41	56	66	79	102						
Nebraska	43	53	57	61	65						

[1] Includes payments by Social Security Administration and by Department of Labor. [2] Primarily payments made to dependents of reservists who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin*, December 1986 and unpublished data.

Digitized by Google

No. 585. Black Lung Benefit Program—Beneficiaries and Payments: 1975 to 1987

[**In thousands, except as indicated.** Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor]

TYPE OF BENEFICIARY	SOCIAL SECURITY ADMINISTRATION						DEPARTMENT OF LABOR			
	1975	1980	1984	1985	1986	1987, est.	1975	1980	1984	1985
Beneficiaries, total [1]	482	399	314	295	276	252	(NA)	138	163	160
Miners	165	120	86	78	70	62	(NA)	53	63	61
Widows	139	147	141	138	135	130	(NA)	27	37	38
Dependents [2]	177	133	87	79	70	60	(NA)	59	64	62
Payments (mil. dol.)	950	1,030	1,038	1,025	971	930	10	707	595	583

NA Not available. [1] As of end of year. [2] Dependent wife or child or surviving child, parent, brother, or sister.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, *Employment Standards Administration, Black Lung Benefits Act, Annual Report.*

No. 586. Persons With Work Disability by Selected Characteristics: 1987

[**In thousands, except percent.** As of **March.** Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they (1) have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do; (2) have a service-connected disability or ever retired or left a job for health reasons; (3) did not work in survey reference week or previous year because of long-term illness or disability; or (4) are under age 65, and are covered by Medicare or receive Supplemental Security Income. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND PARTICIPATION STATUS IN ASSISTANCE PROGRAMS	Total [1]	Male	Female	White	Black	Hispanic [2]
Persons with work disability	**13,353**	**6,917**	**6,436**	**10,699**	**12,336**	**934**
16–24 years old	1,177	647	530	699	233	114
25–34 years old	2,292	1,252	1,040	1,784	441	172
35–44 years old	2,508	1,360	1,149	2,014	440	191
45–54 years old	2,522	1,263	1,258	1,963	487	175
55–64 years old	4,854	2,394	2,459	4,039	735	282
Percent work disabled of total population	**8.6**	**9.1**	**8.1**	**8.1**	**13.0**	**7.9**
16–24 years old	3.5	3.8	3.1	3.21	4.9	3.4
25–34 years old	5.4	5.9	4.8	5.0	8.5	4.8
35–44 years old	7.5	8.2	6.7	7.0	12.4	7.8
45–54 years old	11.0	11.3	10.6	9.9	20.0	12.0
55–64 years old	22.2	23.3	21.2	20.9	35.6	27.0
Percent of work disabled—Receiving Social Security income	28.2	30.0	26.2	29.3	24.7	24.0
Receiving food stamps	18.6	14.4	23.2	15.0	35.1	27.3
Covered by Medicaid	20.7	15.8	25.9	17.6	34.4	29.3
Residing in public housing	4.1	2.2	6.2	2.4	11.9	6.7
Residing in subsidized housing	2.2	1.3	3.1	1.9	3.7	2.0

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

No. 587. Vocational Rehabilitation—Summary: 1970 to 1986

[For **fiscal years ending in year shown;** see text, section 9. Includes Puerto Rico, Guam, Virgin Islands, American Samoa, Northern Mariana Islands and Trust Territory of the Pacific Islands. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State vocational rehabilitation agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970*, series H 392–397]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Federal and State expenditures [1]	Mil. dol	558	867	[2] 1,076	1,118	1,167	1,254	1,366	1,452	1,506
Federal expenditures	Mil. dol	432	673	[2] 817	850	858	937	1,038	1,100	1,144
Applicants processed for program eligibility	1,000	608	837	717	681	594	602	594	594	594
Percent accepted into program	Percent	68	64	58	55	56	58	59	60	58
Total persons rehabilitated [3]	1,000	267.0	324.0	277.1	255.9	226.9	216.2	225.8	227.7	223.4
Rehabilitation rate [4]	Percent	77	70	64	62	61	62	63	64	64
Severely disabled persons rehabilitated [3, 5]	1,000	(NA)	115.7	142.5	138.4	129.9	124.2	132.7	135.2	135.3
Rehabilitation rate [4]	Percent	(NA)	(NA)	61	59	59	59	61	62	62
Percent of total persons rehabilitated	Percent	(NA)	36	51	54	57	57	58	59	61
Persons served total [6]	1,000	876	1,244	1,095	1,038	959	939	936	932	924
Persons served, severely disabled [5, 6]	1,000	(NA)	(NA)	606	601	572	562	565	581	580
Percent of total persons served	Percent	(NA)	(NA)	55	58	60	60	60	62	63

NA Not available. [1] Includes expenditures only under the basic support provisions of the Rehabilitation Act. [2] Estimates based on amounts appropriated. [3] Persons successfully placed into gainful employment. [4] Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). [5] Severely disabled individuals fall into any of the following three categories: (a) clients with specified major disabling conditions such as blindness and deafness; (b) clients who at any time in the vocational rehabilitation process had been Social Security disability beneficiaries or recipients of Supplemental Security Income; and (c) other individuals with substantial loss in conducting certain specified activities. [6] Includes active cases accepted for rehabilitation services during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years*, and *State Vocational Rehabilitation Agency Program Data in Fiscal Years*, both annual.

Digitized by Google

No. 588. Public Aid—Recipients of and Average Monthly Cash Payments Under Supplemental Security Income and Public Assistance: 1970 to 1986

[**In thousands, except as indicated.** As of **December**, except as noted. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands. SSI: Supplemental security income. SSI data are for federally administered payments only; see text, p. 332. Excludes vendor payments for medical care (i.e., payments made directly to suppliers of medical care). Beginning 1974, Federal SSI program replaced Federal grants for aid to the aged, blind, and disabled in the 50 States and DC; such grants continued for Puerto Rico, Guam, and Virgin Islands. Residents of Northern Mariana Islands became eligible for SSI in 1978. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 355–367]

PROGRAM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Recipients of payments:											
SSI, total [1]	(X)	4,314	4,217	4,150	4,142	4,019	3,858	3,901	4,029	4,138	4,269
Percent also receiving Social Security	(X)	52.7	51.7	51.4	51.0	50.2	49.4	49.5	49.8	49.4	48.9
Male	(X)	1,532	1,454	1,423	1,423	1,380	1,321	1,346	1,403	1,457	1,524
Female	(X)	2,770	2,757	2,722	2,715	2,635	2,534	2,552	2,624	2,681	2,745
White	(X)	2,755	2,733	2,664	2,636	2,517	2,335	2,275	2,255	2,255	2,286
Black	(X)	1,120	1,153	1,141	1,138	1,105	1,043	1,026	1,032	1,047	1,076
Aged	(X)	2,307	1,966	1,872	1,806	1,678	1,549	1,515	1,530	1,504	1,473
Blind	(X)	74	77	77	78	79	77	79	81	82	83
Disabled	(X)	1,933	2,172	2,201	2,256	2,262	2,231	2,307	2,419	2,551	2,713
Old-age assistance [2]	2,061	18	19	19	19	19	19	18	18	18	17
Aid to the blind [2]	80	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Aid to permanently, totally disabled [2]	877	17	19	20	21	22	22	22	23	23	24
AFDC: [3]											
Families	2,552	3,568	3,489	3,560	3,843	3,633	3,596	3,721	3,874	3,721	3,777
Recipients [4]	9,659	11,404	10,349	10,379	11,101	10,813	10,504	10,865	10,740	10,924	11,065
Children	7,033	8,106	7,226	7,207	7,599	7,125	6,972	7,130	7,114	7,247	7,374
General assistance cases	547	692	620	696	796	861	1,019	1,088	1,080	1,051	966
Average monthly payments (dol.):											
SSI, total	(X)	114	130	156	168	183	196	212	219	226	244
Aged	(X)	91	100	123	128	138	146	158	158	164	174
Blind	(X)	147	164	212	213	228	242	256	265	274	287
Disabled	(X)	141	155	182	196	214	229	245	256	261	282
Old-age assistance [2]	75	21	22	42	39	41	36	36	36	36	(NA)
Aid to the blind [2]	102	15	19	39	36	43	37	36	37	39	(NA)
Aid to permanently, totally disabled [2]	95	15	17	38	35	40	37	37	37	38	(NA)
AFDC: [3]											
Families	190	229	256	271	288	302	310	321	335	341	356
Recipients	50	72	86	93	100	103	106	110	115	118	122
General assistance cases	112	144	157	157	181	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Fewer than 500. [1] Includes items not shown separately. [2] Average monthly recipients and payments for the year. [3] Aid to Families with Dependent Children program. [4] Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance.

Source: U.S. Social Security Administration, *Annual Statistical Supplement* to the *Social Security Bulletin*; *Social Security Bulletin*, monthly; and *Public Assistance Statistics*, monthly.

No. 589. Public Aid Payments: 1970 to 1986

[**In millions of dollars.** See headnote, table 588. Supplemental Security Income data cover federally- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 346–354]

PROGRAM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Payments, total [1]	8,443	16,313	18,577	19,477	21,994	21,716	21,979	23,385	25,035	26,431	(NA)
Supplemental Security Income	(X)	5,878	6,552	7,075	7,941	8,593	8,981	9,404	10,371	11,060	[2] 12,061
Aged	(X)	2,605	2,433	2,526	2,734	2,818	2,824	2,814	2,973	3,035	3,096
Blind	(X)	131	152	166	190	206	217	229	249	264	277
Disabled	(X)	3,142	3,966	4,381	5,014	5,566	5,909	6,357	7,143	7,755	8,700
Public assistance [1]	8,443	10,434	12,024	12,402	14,048	13,123	12,998	13,981	14,664	15,371	(NA)
Old-age assistance	1,862	5	5	9	9	9	8	8	8	8	(NA)
Blind	96	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)
Permanently, totally disabled	1,000	3	4	9	9	10	10	10	10	10	(NA)
Families with dependent children	4,853	9,211	10,729	11,069	12,475	12,961	12,878	13,838	14,505	15,196	(NA)
Emergency assistance	11	78	81	84	113	123	102	125	141	157	(NA)
General assistance	618	1,138	1,205	1,231	1,442	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Less than $500,000. [1] Beginning 1961, excludes general assistance payments. [2] Includes data not available by reason for eligibility.

Source: U.S. Social Security Administration, *Public Assistance Statistics*, monthly and unpublished data.

Digitized by Google

No. 590. Aid to Families With Dependent Children (AFDC) and Supplemental Security Income (SSI)—Recipients and Payments, States and Other Areas: 1980 to 1986

[Recipients as of **December**, except as noted. Data for SSI cover Federal SSI payments and/or federally-administered State supplementation, except as noted. For explanation of methodology, see Appendix III]

Division and state or other area	AFDC						SSI				Public aid recipients as percent of population [2]	
	Recipients [1] (1,000)			Payments for year (mil. dol.)		Average monthly payment per family, 1985	Recipients (1,000)		Payments for year (mil. dol.)			
	1980	1985	1986	1980	1985		1980	1986	1980	1986	1980	1986
Total	11,101	10,924	11,065	12,475	15,196	$342	[3] 4,142	[3] 4,269	[4] 7,715	[4] 11,741	(x)	(x)
U.S	10,923	10,738	10,875	12,409	15,126	(NA)	4,142	4,269	7,690	11,740	6.5	6.2
N. Eng	647	493	480	910	863	(NA)	196.0	195.8	356	513	6.9	5.3
ME	58	58	56	80	81	336	21.6	22.5	29	46	7.4	6.9
NH	24	13	11	27	20	318	[5] 5.4	[5] 6.5	[5] 8	[5] 15	3.0	1.9
VT	24	22	22	32	38	408	8.9	9.5	16	25	6.4	5.6
MA	348	236	235	510	426	408	123.8	113.0	241	311	8.3	5.9
RI	54	44	43	72	75	393	15.0	16.1	25	42	7.2	6.2
CT	140	119	113	209	223	450	[5] 23.4	[5] 28.2	[5] 39	[5] 74	5.2	4.5
Mid. Atl	2,216	2,043	1,989	2,954	3,279	(NA)	614.5	632.2	1,259	1,937	7.6	7.1
NY	1,110	1,101	1,079	1,623	2,029	453	365.5	366.8	701	1,188	8.4	8.2
NJ	469	360	343	560	499	336	95.8	95.2	156	274	7.4	5.8
PA	637	582	567	771	751	335	163.2	170.2	312	475	6.7	6.3
E. No. Cent	2,419	2,538	2,494	2,838	3,570	(NA)	466.3	532.7	827	1,441	5.6	7.4
OH	572	672	667	561	773	287	119.3	133.9	200	347	6.0	7.5
IN	170	163	153	139	153	224	[5] 41.4	[5] 50.9	[5] 60	[5] 123	3.7	3.8
IL	691	733	731	722	881	307	[5] 123.8	[5] 145.3	[5] 207	[5] 397	7.0	7.6
MI	753	873	853	1,063	1,194	446	113.8	127.0	237	367	8.9	8.7
WI	232	297	290	353	568	490	68.3	75.8	124	208	6.1	7.8
W. No. Cent	614	622	636	697	849	(NA)	190.3	194.9	270	433	4.5	4.7
MN	146	157	160	207	309	495	[5] 31.9	[5] 34.2	[5] 42	[5] 73	4.2	4.6
IA	111	124	122	144	160	332	25.6	28.8	34	61	4.6	5.4
MO	218	199	202	182	198	250	[5] 84.4	[5] 80.3	[5] 128	[5] 189	5.9	5.5
ND	13	13	14	16	19	341	[5] 6.3	[5] 8.9	[5] 8	[5] 14	3.0	3.0
SD	19	17	18	19	18	255	8.0	8.7	10	18	4.2	3.7
NE	36	46	47	42	59	319	[5] 13.7	[5] 14.1	[5] 19	[5] 31	3.2	3.9
KS	72	67	73	87	86	315	20.4	21.9	28	47	3.8	3.7
So. Atl	1,463	1,357	1,362	1,125	1,325	(NA)	744.4	779.6	1,173	1,843	5.8	5.2
DE	34	22	21	32	26	246	7.2	7.7	11	18	8.6	4.6
MD	220	198	186	214	244	283	48.3	53.2	82	138	6.1	5.5
DC	82	56	54	92	76	286	15.1	16.4	31	47	15.5	11.3
VA	176	155	151	160	173	246	[5] 80.6	[5] 87.3	[5] 120	[5] 197	4.6	4.1
WV	80	114	115	60	94	230	[5] 41.0	[5] 43.5	[5] 72	[5] 113	8.0	8.2
NC	202	175	173	154	187	217	[5] 140.6	[5] 140.3	[5] 210	[5] 314	5.8	5.0
SC	156	128	130	72	95	181	[5] 83.4	[5] 87.5	[5] 124	[5] 192	7.6	6.5
GA	234	234	246	138	200	199	154.5	154.5	233	342	6.9	6.4
FL	279	276	286	203	249	215	173.6	189.2	291	482	4.4	3.9
E. So. Cent	704	624	647	366	365	(NA)	470.1	473.1	716	1,075	7.9	7.2
KY	175	161	161	136	138	194	[5] 93.7	[5] 100.6	[5] 151	[5] 245	7.2	7.0
TN	174	159	177	85	92	134	130.6	129.3	199	295	6.4	6.1
AL	178	148	139	84	70	113	[5] 134.1	[5] 131.1	[5] 195	[5] 286	6.1	6.8
MS	176	157	170	81	64	104	111.8	112.1	171	250	11.4	10.4
W. So. Cent	716	788	873	401	530	(NA)	543.3	526.0	793	1,146	5.2	5.0
AR	85	65	66	51	43	164	77.8	73.8	107	150	7.2	5.9
LA	219	237	256	124	156	188	136.5	128.2	221	304	6.3	6.2
OK	92	67	94	92	91	264	[5] 67.3	[5] 59.2	[5] 100	[5] 129	5.2	4.5
TX	320	399	458	134	241	162	[5] 261.7	[5] 264.8	[5] 365	[5] 563	4.0	4.1
Mt	302	312	341	274	347	(NA)	116.2	130.9	186	321	3.5	3.5
MT	20	25	27	19	33	341	6.8	8.0	11	19	3.4	4.2
ID	20	16	17	24	19	254	[5] 7.5	[5] 8.7	[5] 11	[5] 20	3.1	2.6
WY	7	10	11	9	14	3077	[5] 1.8	[5] 2.5	[5] 3	[5] 6	1.9	2.7
CO	81	83	89	81	100	300	[5] 30.5	[5] 31.3	[5] 46	[5] 75	3.7	3.5
NM	56	51	54	42	51	237	[5] 25.4	[5] 27.5	[5] 41	[5] 66	5.1	5.3
AZ	60	72	83	40	65	213	[5] 29.6	[5] 35.1	[5] 53	[5] 92	3.0	3.3
UT	44	38	42	48	52	334	[5] 7.8	[5] 9.2	[5] 11	[5] 23	3.2	3.0
NV	14	15	17	11	13	217	6.8	8.6	11	21	2.3	2.5
Pac	1,843	1,963	2,054	2,844	3,998	(NA)	798.2	803.4	2,108	3,032	7.9	7.8
WA	173	189	210	251	340	430	45.3	50.6	85	140	4.9	5.6
OR	94	78	81	147	111	325	[5] 22.2	[5] 26.8	[5] 35	[5] 66	4.9	4.2
CA	1,498	1,631	1,701	2,328	3,427	514	717.5	710.6	1,962	2,782	8.8	8.7
AK	16	16	18	27	42	550	[5] 3.1	[5] 3.6	[5] 8	[5] 10	4.6	4.0
HI	61	49	44	91	77	404	10.2	11.8	20	34	7.3	5.4
PR	170	175	181	60	63	99	(X)	(X)	(X)	(X)	(X)	(X)
GU	5	6	5	3	4	2229	(X)	(X)	(X)	(X)	(X)	(X)
VI	3	4	4	2	3	167	(X)	(X)	(X)	(X)	(X)	(X)
N. Mariana	(X)	(X)	(X)	(X)	(X)	(X)	[5] 6	[5] 6	[5] 1	[5] 2	(X)	(X)

NA Not available. X Not applicable. [1] See footnote 4, table 588. [2] Data compiled by U.S. Bureau of the Census. Total recipients as of June of AFDC and of Federal SSI as percent of resident population. For population figures used, see table 21. [3] SSI totals include small number of recipients whose residence was "unknown." [4] 1980 figures include payments to Indochina refugees (total, $23.6 million) which were not available by State. In addition, for all years, totals were reduced to reflect returned checks and overpayment refunds. [5] Data for persons with Federal SSI payments only; State has State-administered supplementation. [6] Data for persons with Federal SSI payments only; State supplementary payments not made.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly, *Annual Statistical Supplement* to the *Social Security Bulletin*, and *Public Assistance Statistics*, monthly.

Digitized by Google

No. 591. Federal Food Programs: 1970 to 1986

[For fiscal years ending in year shown; see text, section 9. Program data include Puerto Rico, Virgin Islands, Guam, American Samoa, and the Trust Territory when a Federal food program was operated in these areas. All participation data are average monthly figures except as noted. Participants are not reported for the special milk program, the nutrition program for the elderly, and the commodity distribution programs. Cost data are direct Federal benefits to recipients; they exclude Federal administrative payments and applicable State and local contributions. Federal costs for commodities and cash-in-lieu of commodities are shown separately from direct cash benefits for those programs receiving both]

PROGRAM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Food Stamp:											
Participants	Million	4.3	17.1	17.7	21.1	22.4	21.7	21.6	20.9	19.9	19.4
Federal cost	Mil. dol	550	4,386	6,480	8,721	10,630	10,208	11,152	10,696	10,744	10,605
Nutrition assistance program for Puerto Rico: [1]											
Federal cost	Mil. dol	(x)	(x)	(x)	(x)	(x)	207	825	625	825	820
National school lunch program (NSLP): [2]											
Free lunches served	Million	739	1,638	1,623	1,671	1,737	1,622	1,714	1,702	1,656	1,678
Reduced-price lunches served	Million	(NA)	(NA)	276	308	312	262	253	248	254	257
Children participating [3]	Million	22.4	24.9	27.0	26.6	25.8	22.9	23.0	23.4	23.6	23.7
Federal cost	Mil. dol	300	1,289	1,984	2,279	2,381	2,185	2,402	2,508	2,579	2,714
School breakfast (SB):											
Children participating [3]	Million	.5	1.6	3.3	3.6	3.8	3.3	3.4	3.4	3.4	3.5
Federal cost	Mil. dol	11	86	231	288	332	317	344	364	380	406
Special school milk:											
Quantity reimbursed	Mil. ½ pt	2,902	2,139	1,821	1,796	1,534	202	189	174	167	162
Federal cost	Mil. dol	101	123	134	145	101	18	17	17	16	15
Women-infant-children: [4]											
Participants	Million	(x)	.5	1.6	2.0	2.2	2.3	2.6	3.2	3.3	3.5
Federal cost	Mil. dol	(x)	94	444	603	729	785	937	1,156	1,235	1,304
Child care feeding (CC): [5]											
Children participating [6]	Million	.1	.4	.6	.7	.8	.9	.9	.9	1.0	1.1
Federal cost	Mil. dol	6	48	164	210	293	268	304	347	390	427
Summer feeding (SF): [7]											
Children participating [8]	Million	.2	1.8	2.1	1.9	1.9	1.4	1.4	1.4	1.5	1.5
Federal cost	Mil. dol	2	50	106	106	101	81	95	101	101	106
Needy family commodity:											
Participants	Million	3.8	.3	.1	.1	.1	.1	.1	.1	.1	.1
Federal cost	Mil. dol	282	39	18	24	29	33	35	40	49	47
Nutrition program for the elderly:											
Meals served	Million	(x)	11	154	186	184	169	201	213	225	228
Federal cost	Mil. dol	(x)	2	58	75	94	101	120	127	127	137
Federal cost of commodities donated to: [9]											
Child nutrition (NSLP, CC, SF and SB)	Mil. dol	265	431	760	930	922	795	799	853	830	867
Charitable institutions, summer camps	Mil. dol	23	20	54	71	78	111	151	190	170	240
Emergency feeding [10]	Mil. dol	(x)	(x)	(x)	(x)	(x)	180	1,002	1,032	973	846

NA Not available. X Not applicable. [1] Puerto Rico was included in the Food Stamp Program until June 30, 1982. [2] See headnote, table 593. [3] Nine month (September through May) average daily meals (lunches or breakfasts) served divided by the ratio of average daily attendance to enrollment. [4] Covers special supplemental food program (WIC) and commodity supplemental food program. [5] Program provides year-round subsidies to feed preschool children in child care centers and family day care homes. [6] Annual average daily attendance at participating institutions. [7] Program provides free meals to children in poor areas during summer months. [8] Peak month (July) average daily attendance at participating institutions. [9] Includes the Federal cost of commodity entitlements, cash-in-lieu of commodities, and bonus foods. [10] Provides free commodities to needy persons for home consumption through food banks, hunger centers, soup kitchens, and similar non-profit agencies.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

No. 592. Federal Food Stamp Program: 1970 to 1986

[Except as noted, for fiscal year ending in year shown; see text, section 9. Beginning 1975, includes Puerto Rico (through June 30, 1982), Guam, and Virgin Islands]

YEAR	Participants [1] (1,000)	Average monthly participation (1,000)	Federal govt. contributions, total (mil. dol.)	YEAR	Participants [1] (1,000)	Average monthly participation (1,000)	Federal govt. contributions, total (mil. dol.)
1970	6,457	4,340	550	1979	19,323	17,652	6,480
1971	10,549	9,368	1,523	1980	22,028	21,087	8,721
1972	11,594	11,109	1,797	1981	22,161	22,431	10,630
1973	12,107	12,166	2,131	1982	20,051	21,717	10,208
1974	13,524	12,862	2,716	1983	21,067	21,625	11,152
1975	19,197	17,064	4,386	1984	19,765	20,854	10,696
1976	17,982	18,549	5,327	1985	19,198	19,899	10,744
1977	16,134	17,077	5,067	1986	19,071	19,428	10,605
1978	15,248	16,000	5,139				

[1] As of end of fiscal year.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual.

Digitized by Google

NO. 593. FEDERAL FOOD STAMP AND NATIONAL SCHOOL LUNCH PROGRAMS—STATES AND OTHER AREAS: 1980 AND 1986

[Cost data for fiscal year ending in year shown. Food stamp participants, as of end of fiscal year. For explanation of fiscal year, see text, section 9. Data on pupils participating in National School Lunch Program are for month in which most pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. National School Lunch Program costs include Federal cash reimbursements at rates set by law for each meal served but do not include the value of USDA donated commodities utilized in this program. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	FOOD STAMP PROGRAM			NATIONAL SCHOOL LUNCH PROGRAM		
	Persons (1,000)		Cost (mil. dol.)	Persons (1,000)		Cost (mil. dol.)
	1980	1986	1986	1980	1986	1986
Total [1]	**22,026**	**19,071**	**10,605**	**27,011**	**24,263**	**2,714**
U.S.	20,115	19,025	10,567	26,384	23,622	2,599
Region:						
Northeast	4,379	3,721	2,057	4,969	4,030	448
Midwest	4,340	4,925	2,874	6,767	5,786	540
South	8,396	7,347	4,157	10,464	9,808	1,106
West	3,000	3,033	1,479	4,184	3,998	502
N. Eng	**945**	**662**	**335**	**1,366**	**1,008**	**92**
ME	139	104	57	146	113	12
NH	53	31	12	101	84	6
VT	46	34	18	59	46	4
MA	446	315	158	703	483	42
RI	87	63	33	69	58	7
CT	174	124	55	288	224	21
Mid. Atl	**3,434**	**3,059**	**1,722**	**3,603**	**3,022**	**356**
NY	1,804	1,673	935	1,593	1,487	202
NJ	600	392	240	679	534	59
PA	1,030	994	547	1,331	1,002	95
E. No. Cent	**3,382**	**3,813**	**2,288**	**4,401**	**3,724**	**372**
OH	928	1,111	702	1,156	1,018	100
IN	399	349	223	717	618	44
IL	915	1,092	707	1,129	923	117
MI	903	900	505	866	721	74
WI	237	360	151	533	443	36
W. No. Cent	**958**	**1,111**	**585**	**2,366**	**2,063**	**167**
MN	188	230	108	558	469	34
IA	156	205	110	439	388	28
MO	384	374	208	664	539	51
ND	28	35	18	93	93	7
SD	46	53	29	101	98	10
NE	72	95	48	203	177	15
KS	104	119	65	308	286	22
So. Atl	**3,811**	**2,780**	**1,598**	**4,846**	**4,467**	**480**
DE	53	31	18	86	54	5
MD	335	261	170	434	342	34
DC	104	65	37	57	49	9
VA	412	331	181	717	617	53
WV	216	267	156	245	216	27
NC	592	424	226	887	810	84
SC	444	309	179	489	477	58
GA	656	492	270	894	897	91
FL	997	801	362	1,055	1,004	119
E. So. Cent	**2,283**	**1,994**	**1,140**	**2,252**	**2,120**	**251**
KY	485	518	320	567	511	56
TN	674	501	276	648	607	62
AL	606	481	278	607	585	71
MS	518	495	263	430	417	63
W. So. Cent	**2,302**	**2,573**	**1,419**	**3,386**	**3,222**	**377**
AR	301	231	121	356	298	36
LA	584	700	390	767	728	86
OK	214	268	139	408	369	36
TX	1,203	1,374	769	1,835	1,826	219
Mt	**818**	**796**	**450**	**1,352**	**1,313**	**127**
MT	45	58	32	104	85	8
ID	65	56	35	120	122	11
WY	15	28	16	51	71	4
CO	173	184	102	299	288	25
NM	191	152	88	174	173	24
AZ	227	203	112	291	274	32
UT	85	80	42	233	245	18
NV	37	35	23	80	55	5
Pac	**2,182**	**2,237**	**1,030**	**2,832**	**2,684**	**375**
WA	260	295	148	354	328	35
OR	213	215	141	277	233	23
CA	1,571	1,611	627	2,006	1,936	296
AK	32	27	24	33	39	7
HI	106	89	90	162	148	15

[1] Includes Puerto Rico, other outlying areas and Dept. of Defense overseas. After July 1, 1982 Puerto Rico was dropped from Food Stamp program and transferred to a nutrition assistance program.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual and unpublished data.

NO. 594. ADOPTIONS BY RELATIONSHIP OF PETITIONER, 1960 TO 1982, AND FOREIGN ADOPTIONS, 1975 TO 1986

[Data on foreign adoptions for **fiscal year ending in year shown;** see text, section 9. Estimated. Data on total adoptions for 1960-1975 are generally based on material shown by Penelope Maza in "Adoption Trends: 1944-1975", Child Welfare Research Notes #9, issued by the U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families. Data on total adoptions for 1982 are based on data collected by the source from various State health, welfare, adoption, and statistical offices. Data on foreign adoptions are based on compilations by the source of data supplied by the U.S. Immigration and Naturalization Service. For further comments, see source]

YEAR	TOTAL ADOPTIONS					
	Total	Related petitioners	Unrelated petitioners by type of agency making placement			
			Total	Public agency	Private agency	Independent
Number:						
1960	107,000	49,200	57,800	13,300	20,800	23,700
1965	142,000	65,300	76,700	20,700	32,200	23,800
1970	175,000	85,800	89,200	29,500	40,100	19,600
1975	129,000	61,300	47,700	18,600	18,100	11,000
1982	141,861	91,141	50,720	19,428	14,549	16,743
Percent distribution:						
1960	100.0	46.0	54.0	12.4	19.4	22.1
1965	100.0	46.0	54.0	14.6	22.7	16.8
1970	100.0	49.0	51.0	16.9	22.9	11.2
1975	100.0	63.0	37.0	14.4	14.0	8.5
1982	100.0	64.2	35.8	13.7	10.3	11.8

YEAR AND COUNTRY OF ORIGIN OF ADOPTEE	FOREIGN ADOPTIONS	
	Number	Percent distribution
1975	5,633	100.0
1980	5,139	100.0
1981	4,868	100.0
1982	5,749	100.0
1983	7,127	100.0
1984	8,327	100.0
1985	9,286	100.0
1986, total [1]	**9,945**	**100.0**
South Korea	6,188	62.2
Philippines	634	6.4
India	588	5.9
Colombia	550	5.5
Chile	317	3.2

[1] Includes other countries, not shown separately.

Source: National Committee for Adoption, Inc., Washington, DC, *Adoption Factbook, 1985*, (copyright) and unpublished data.

Digitized by Google

No. 595. Orphans, by Type: 1960 to 1986

[As of **July**. Includes Puerto Rico and Virgin Islands; beginning 1970, also includes American Samoa and Guam. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on Social Security Administration estimates of number of children under 18, as of July 1. Data not exactly comparable for all years because of changes in methodology]

YEAR	NUMBER (1,000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
1960	3,509	2,446	981	82	5.1	3.6	1.4	1
1970	3,745	2,635	1,033	76	5.1	3.6	1.4	1
1975	3,550	2,520	959	71	5.1	3.6	1.4	1
1980	2,889	2,077	760	52	4.4	3.1	1.1	1
1981	2,760	1,991	721	47	4.2	3.0	1.1	1
1982	2,624	1,899	682	43	4.0	2.9	1.0	1
1983	2,498	1,612	648	39	3.6	2.6	1.0	1
1984	2,406	1,750	621	35	3.7	2.7	1.0	1
1985	2,330	1,699	599	33	3.6	2.6	9	(Z)
1986	2,267	1,659	578	30	3.5	2.5	9	(Z)

Z Less than .05 percent.

Source: U.S. Social Security Administration, unpublished data.

No. 596. Child Care Arrangements of Children Under 15 of Employed Mothers, by Age of Child and Employment Status of Mother: 1984–1985

[**In thousands, except percent.** As of **winter 1984–1985**. Data were obtained for the three youngest children under 15 years old (including any adopted or stepchildren in their care) in the household. This represents approximately 90 percent of all children under 15 years old of working women. Based on the Survey of Income and Program Participation; see text, section 14]

USUAL WEEKLY CHILD CARE ARRANGEMENT	CHILDREN UNDER 15 YEARS			CHILDREN UNDER 5 YEARS						Children 5–14 years, total
	Total	Mother employed		Total	Mother employed		Under 1 year	1 and 2 years	3 and 4 years	
		Full time [1]	Part time		Full time [1]	Part time				
Total	**26,455**	**16,812**	**9,643**	**8,168**	**5,060**	**3,108**	**1,385**	**3,267**	**3,516**	**18,287**
Care in child's home	4,699	2,480	2,219	2,534	1,235	1,300	516	1,068	950	2,164
By father	2,496	1,133	1,363	1,282	542	740	252	528	502	1,214
By grandparent	712	423	289	467	259	209	102	208	157	244
By other relative	804	539	265	306	183	123	44	147	114	498
By nonrelative	687	385	302	479	251	228	116	185	115	208
Care in another home	3,801	2,675	1,126	3,020	2,135	884	563	1,368	1,089	782
By grandparent	1,138	743	395	833	533	300	174	361	298	305
By other relative	467	285	182	368	212	155	70	130	167	100
By nonrelative	2,196	1,647	549	1,619	1,390	429	319	677	624	377
Organized child care facilities	2,411	1,830	581	1,888	1,415	473	195	563	1,131	523
Day/group care center	1,440	1,067	373	1,142	835	307	116	401	625	298
Nursery school/preschool	971	763	208	746	580	166	79	162	506	225
Kindergarten/grade school	13,815	6,976	4,839	61	21	41	(X)	(X)	61	13,753
Child cares for self	488	354	134	(X)	(X)	(X)	(X)	(X)	(X)	486
Parent cares for child [2]	1,245	497	748	663	252	412	112	267	285	581
PERCENT DISTRIBUTION										
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Care in child's home	17.8	14.8	23.0	31.0	24.4	41.8	37.3	32.7	27.0	11.8
By father	9.4	6.7	14.1	15.7	10.7	23.8	18.2	16.2	14.3	6.6
By grandparent	2.7	2.5	3.0	5.7	5.1	6.7	7.4	6.4	4.5	1.3
By other relative	3.0	3.2	2.7	3.7	3.6	4.0	3.2	4.5	3.3	2.7
By nonrelative	2.6	2.3	3.1	5.9	5.0	7.3	6.5	5.7	5.0	1.1
Care in another home	14.4	15.9	11.7	37.0	42.2	28.4	40.6	41.9	31.0	4.3
By grandparent	4.3	4.4	4.1	10.2	10.5	9.7	12.6	11.0	8.5	1.7
By other relative	1.8	1.7	1.9	4.5	4.2	5.0	5.1	4.0	4.7	.5
By nonrelative	8.3	9.8	5.7	22.3	27.5	13.8	23.0	26.8	17.7	2.1
Organized child care facilities	9.1	10.8	6.1	23.1	28.0	15.2	14.1	17.2	32.2	2.8
Day/group care center	5.4	6.3	3.9	14.0	16.5	9.9	8.4	12.3	17.8	1.6
Nursery school/preschool	3.7	4.5	2.2	9.1	11.5	5.3	5.7	5.0	14.4	1.2
Kindergarten/grade school	52.2	53.4	50.2	.6	.4	1.3	(X)	(X)	1.7	*5.2
Child cares for self	1.8	2.1	1.4	(X)	(X)	(X)	(X)	(X)	(X)	2.7
Parent cares for child [2]	4.7	3.0	7.8	8.1	5.0	13.3	8.1	8.2	8.1	3.2

X Not applicable. [1] Full-time jobs comprise 35 hours or more per week. [2] Includes women working at home or away from home.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 9.

Digitized by Google

NO. 597. CHILD SUPPORT AND ALIMONY—SELECTED CHARACTERISTICS OF WOMEN: 1985

[Women as of **spring 1986.** Covers civilian noninstitutional population. Child support data are for women with own children under 21 years of age present from absent fathers. Alimony data are for ever-divorced and currently separated women. Based on Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

RECIPIENCY STATUS OF WOMEN	Unit	Total [1]	CURRENT MARITAL STATUS				RACE			AGE		
			Divorced	Married [2]	Single [3]	Separated	White	Black	Hispanic [4]	18 to 29 years	30 to 39 years	40 years and over
CHILD SUPPORT												
All women, total	1,000	**8,808**	**3,045**	**2,322**	**2,009**	**1,363**	**6,341**	**2,310**	**813**	**2,887**	**3,614**	**2,307**
Payments awarded [5]	1,000	5,396	2,492	1,904	370	587	4,476	839	342	1,268	2,547	1,561
Percent of total	Percent	61.3	81.8	82.0	18.4	43.1	70.6	36.3	42.1	44.6	70.5	67.7
Due child support payment in 1985	1,000	4,381	2,179	1,416	303	453	3,651	657	282	1,089	2,182	1,110
Received payment	1,000	3,243	1,637	970	231	382	2,722	473	192	777	1,605	861
Percent of due	Percent	74.0	75.1	68.5	76.2	84.3	74.6	72.0	68.1	71.3	73.6	77.6
Did not receive payment	1,000	1,138	541	447	72	71	929	184	90	312	578	249
Payments not awarded	1,000	3,411	553	418	1,639	776	1,865	1,471	471	1,599	1,066	746
Mean money income:												
Women received payments	Dollars	14,776	16,778	13,512	9,675	12,642	15,052	13,297	11,505	10,886	15,513	16,913
Mean child support	Dollars	2,215	2,538	1,966	1,147	2,082	2,294	1,754	2,011	1,467	2,397	2,552
Women did not receive payments	Dollars	10,837	12,580	9,621	(B)	(B)	10,854	10,477	9,430	6,406	11,553	14,730
Women not awarded payments	Dollars	7,998	11,375	8,495	6,247	9,065	8,746	6,969	6,308	5,323	10,068	10,770
Women with incomes below the poverty level in 1985, total	1,000	**2,797**	**795**	**180**	**1,159**	**646**	**1,569**	**1,190**	**414**	**1,419**	**920**	**458**
Payments awarded [5]	1,000	1,130	572	121	207	221	787	322	100	469	485	176
Received payments in 1985	1,000	595	301	50	123	116	411	174	43	241	258	96
Mean income from child support	Dollars	1,383	1,522	(B)	900	1,503	1,463	1,085	(B)	963	1,674	1,649
Did not receive payment	1,000	310	198	31	40	41	221	83	31	128	147	35
Payments not awarded	1,000	1,668	223	59	952	425	782	868	314	951	435	282
ALIMONY												
All women, total	1,000	**19,156**	**8,000**	**7,361**	(X)	**2,810**	**16,039**	**2,786**	**1,196**	**2,817**	**5,678**	**10,662**
Payments awarded [5]	1,000	2,803	1,366	1,015	(X)	261	2,539	220	132	216	618	1,969
Received payments in 1985	1,000	616	443	52	(X)	120	559	44	29	62	195	358
Mean income from alimony	Dollars	3,733	3,975	(B)	(X)	3,083	3,858	(B)	(B)	(B)	3,200	4,365
Did not receive payment	1,000	225	161	37	(X)	26	193	25	13	45	75	106
Payments not awarded	1,000	16,354	6,632	6,346	(X)	2,348	13,500	2,546	1,064	2,801	5,060	8,693
Women with incomes below the poverty level in 1985, total	1,000	**3,716**	**1,800**	**524**	(X)	**1,082**	**2,670**	**973**	**410**	**851**	**1,090**	**1,774**
Payments awarded	1,000	434	247	55	(X)	93	378	49	35	86	111	237
Percent of total	Percent	11.7	13.7	10.5	(X)	8.6	14.2	5.0	8.5	10.1	10.2	13.4

B Base less than 75,000. X Not applicable. [1] Includes other items, not shown separately. [2] Remarried women whose previous marriage ended in divorce. [3] Never-married women. [4] Hispanic women may be of any race. [5] Includes women who were not supposed to receive payments in 1985, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 152.

NO. 598. COMMUNITY SERVICES USED BY PERSONS 65 YEARS OLD AND OVER, BY AGE GROUP AND LIVING ARRANGEMENT: 1984

[**In percent, except as indicated.** Covers persons 65 years old and over who were living in communities outside of nursing homes or other institutions (civilian noninstitutionalized population). Based on a supplement to the National Health Interview Survey; see Appendix III. See also tables 41, 42, 174, and 175]

TYPE OF COMMUNITY SERVICE	Persons 65 years old and over	AGE GROUP				LIVING—	
		65–74 years old	75 years old and over	75–84 years old	85 years old and over	Alone	With others
Total (1,000)	**26,433**	**16,288**	**10,145**	**8,249**	**1,897**	**8,397**	**18,036**
Percent used—							
Senior center	15.2	14.5	16.3	17.0	13.5	21.3	12.3
Special transportation for elderly	4.5	3.2	6.4	6.5	6.1	9.1	2.3
Home nursing care	3.8	2.1	5.9	5.4	8.3	4.0	3.3
Percent ate meals in senior center	8.5	7.7	9.9	10.1	8.8	12.9	6.5

Source: U.S. National Center for Health Statistics, unpublished data from Supplement on Aging to 1984 National Health Interview Survey

Digitized by Google

No. 599. Percent of Adult Population Doing Volunteer Work: 1981 and 1985

[Covers persons 14 years old and over. Volunteers are persons who worked in some way to help others for no monetary pay during the previous year. Data for 1981 were collected in March 1981, and 1985 data were collected in October 1985 as part of Gallup Poll. Based on a sample and subject to sampling variability, see source. NA Not available]

AGE AND SEX	1981	1985	EDUCATIONAL ATTAINMENT AND HOUSEHOLD INCOME	1981	1985	TYPE OF ACTIVITY	1981	1985
Total	**52**	**48**	Grade school	26	29	Percent of volunteers involved in—		
			High school, 1–3 yrs	31	38			
14–17 years old	53	52	High school, 4 yrs	54	48	Religious organizations	37	48
18–24 years old	54	43	College, 1–3 yrs	65	61	Education	23	27
25–34 years old	} 55	53	College, 4 yrs. or more	75	65	Recreation	13	21
35–49 years old		54				Health	23	19
50–64 years old		44	Under $10,000	36	40	Civil, social, fraternal		
65–74 years old	} 37	43	$10,000–$19,999	49	42	organizations	12	17
75 years old and over		26	$20,000–$39,999	64	52	Social services,		
			$20,000–$29,999	(NA)	44	welfare	10	15
Male	47	45	$30,000–$39,999	(NA)	64	Community action	12	8
Female	56	51	$40,000 and over	62	60	Political organizations	12	8
						Informal, alone	44	40
						General fund-raisers	12	23

Source: Independent Sector, Washington, DC, *Americans Volunteer 1985*, April 1986. (Copyright.)

No. 600. Private Philanthropy Funds, by Source and Allocation: 1970 to 1986

[**In billions of dollars.** Estimates for sources of funds based largely on reports of the U.S. Internal Revenue Service for itemized deductions, corporate profits, and bequests. Data adjusted for nonitemized IRS deductions and after comparison with levels of gross national product, personal income, population, and publicly reported large bequests. For bases of allocation of funds, see source. See *Historical Statistics, Colonial Times to 1970*, series H 398–411, for similar but not comparable data]

SOURCE AND ALLOCATION	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total funds	**21.0**	**28.6**	**32.1**	**36.3**	**39.0**	**43.7**	**48.7**	**55.5**	**60.0**	**65.0**	**73.3**	**79.8**	**87.2**
Individuals	16.2	23.5	26.3	29.6	32.1	36.6	40.7	46.4	48.5	53.5	60.7	66.1	71.7
Foundations	1.9	1.7	1.9	2.0	2.2	2.4	2.8	3.1	3.2	3.8	4.0	4.3	5.2
Corporations	.8	1.2	1.5	1.8	2.1	2.3	2.4	2.5	2.9	3.3	3.8	4.3	4.5
Charitable bequests	2.1	2.2	2.4	3.0	2.6	2.2	2.9	3.5	5.5	4.5	4.9	5.2	5.8
Allocation:													
Religion	9.3	12.8	14.2	17.0	18.4	20.2	22.2	25.1	28.1	31.8	35.4	37.7	40.9
Health	3.4	4.2	4.8	5.0	5.4	6.1	6.7	7.7	8.4	9.2	10.3	11.3	12.3
Education	3.3	3.8	4.4	4.8	5.5	6.0	6.9	7.8	8.4	9.0	10.0	11.1	12.7
Human service	2.9	2.9	3.0	3.6	3.9	4.5	4.9	5.6	6.3	6.9	7.9	8.6	9.1
Arts, culture and humanities	.7	1.6	2.3	2.3	2.4	2.7	3.2	3.7	5.0	4.0	4.5	5.1	5.8
Public/society benefit	.5	.8	1.0	1.2	1.1	1.2	1.5	1.8	1.7	1.6	1.9	2.2	2.4
Other	.9	2.6	2.4	2.5	2.4	3.0	3.5	3.9	2.2	2.7	3.3	3.9	4.0

Source: AAFRC Trust for Philanthropy, New York, NY, *Giving USA*, annual. (Copyright.)

No. 601. Charitable Contributions—Size of Contributions by Selected Characteristics of Population: 1984

[Covers population 18 years old and over. Data exclude those respondents who (1) reported giving, but did not report a specific amount, (2) did not respond at all, and (3) reported "not sure or no answer" to particular questions. Based on a sample survey of 1,151 persons and subject to sampling variability; for details, see source]

AGE, MARITAL STATUS, AND HOUSEHOLD INCOME	Average income	MEAN CONTRIBUTION						PERCENT DISTRIBUTION BY SIZE OF CONTRIBUTION		
		Amount			As percent of income					
		Total	Religious charities	Other charities	Total	Religious charities	Other charities	Less than .5 percent of income	1–2 percent of income	3 or more percent of income
Total	**$27,300**	**$650**	**$470**	**$180**	**2.4**	**1.7**	**.7**	**31**	**43**	**26**
18–30 years old	23,300	380	290	80	1.6	1.2	.3	41	40	19
30–34 years old	29,000	600	450	150	1.7	1.2	.5			
35–49 years old	35,400	910	660	260	2.6	1.9	.7	24	45	31
50–64 years old	29,100	880	570	300	3.0	2.0	1.0			
65 years old and over	14,900	400	340	70	2.7	2.3	.5	31	44	25
Single	22,900	310	190	120	1.4	.8	.5	47	37	18
Married	32,300	840	610	230	2.6	1.9	.7	25	44	31
Divorced/separated	19,000	420	250	160	2.1	1.3	.8	41	44	15
Widowed	13,900	430	360	80	3.1	2.6	.6	31	47	22
Under $20,000	12,200	270	220	50	2.2	1.8	.4	40	41	19
Under $10,000	5,700	170	130	30	3.0	2.3	.5	(NA)	(NA)	(NA)
$10,000–19,999	14,700	340	280	60	2.3	1.9	.4	(NA)	(NA)	(NA)
$20,000–39,999	29,000	630	480	150	2.2	1.7	.5	27	46	27
$20,000–29,999	25,400	520	400	120	2.1	1.8	.5	(NA)	(NA)	(NA)
$30,000–39,999	35,500	820	620	210	2.3	1.8	.6	(NA)	(NA)	(NA)
$40,000 and over	56,500	1,540	990	560	2.7	1.8	1.0	17	45	38
$40,000–49,999	44,700	1,060	760	310	2.4	1.7	.7	(NA)	(NA)	(NA)
$50,000 and over	66,700	1,940	1,190	770	2.9	1.8	1.2	(NA)	(NA)	(NA)

NA Not available.

Source: Independent Sector, Washington, DC, *The Charitable Behavior of Americans*, 1986. (Copyright by the Rockefeller Brothers Fund.)

Digitized by Google

No. 602. Foundations—Number and Finances by Asset Size

[Figures are for latest year reported by foundations, usually 1984 or 1985. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants. Z Less than .5 percent]

Asset size	Number	Assets (mil. dol.)	Expenditures (mil. dol.)	Grants (mil. dol.)	Gifts received (mil. dol.)	Percent distribution				
						Number	Assets	Expenditures	Grants	Gifts received
Total	**24,859**	**74,048**	**6,228**	**5,043**	**3,359**	**100**	**100**	**100**	**100**	**100**
Under $50,000	7,744	127	231	200	149	31	(Z)	4	4	4
$50,000–$99,999	2,714	197	70	64	49	11	(Z)	1	1	1
$100,000–$249,999	4,208	680	137	125	103	17	1	2	2	3
$250,000–$499,999	2,908	1,040	191	163	128	12	1	3	3	4
$500,000–$999,999	2,427	1,725	268	237	196	10	2	4	5	6
$1,000,000–$4,999,999	3,247	7,255	834	703	587	13	10	13	14	17
$5,000,000–$9,999,999	670	4,671	528	458	326	3	6	8	9	10
$10,000,000–$49,999,999	733	14,983	1,348	1,124	745	3	20	22	22	22
$50,000,000–$99,999,999	109	7,819	685	531	332	(Z)	11	11	11	11
$100,000,000 or more	99	35,553	1,937	1,440	744	(Z)	48	31	29	22

Source: The Foundation Center, New York, NY, *The National Data Book*, 11th edition, 1987.

No. 603. Foundations—Grants Reported, by Subject Field and Recipient Organization: 1982 to 1986

[Number and type of foundations reporting varies from year to year. Covers grants of $5,000 or more in size. For 1986, based on reports of 459 foundations which represented about 44 percent of all grant dollars awarded by private foundations. For definition of foundation, see headnote, table 602]

Subject field and recipient organization	Number of grants					Amount						
						Total (mil. dol.)					Percent distribution	
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986	1982	1986
Total [1]	**27,121**	**32,165**	**35,040**	**36,320**	**40,546**	**1,490**	**1,793**	**1,647**	**2,013**	**2,217**	**100.0**	**100.0**
Welfare	9,014	10,960	11,174	12,186	13,491	387	509	454	523	586	25.9	26.4
Health	4,584	5,347	5,911	6,009	6,488	312	390	391	474	454	20.9	20.5
Education	5,145	5,775	6,099	6,059	7,057	356	286	286	338	485	23.8	21.9
Culture	4,435	5,151	5,542	6,246	7,334	209	277	229	294	327	14.0	14.7
Science	1,644	2,043	2,148	2,266	2,455	96	161	123	177	142	6.4	6.4
Social science	1,704	2,225	2,354	2,852	3,138	102	132	126	169	195	6.8	8.8
Religion	595	664	812	702	583	28	38	38	38	27	1.8	1.3
Educational institutions	8,316	9,454	9,887	9,739	11,294	634	608	578	716	851	42.5	38.4
Direct service agencies	7,981	9,600	9,673	11,147	12,875	277	403	354	416	483	18.5	21.8
Hospitals and medical care facilities	1,660	1,896	1,903	1,864	2,033	120	130	114	140	138	8.1	6.2
Research institutes	1,101	1,357	1,453	1,883	2,174	77	165	147	189	201	5.2	9.1
Associations and profess. societies	2,600	3,589	3,904	4,599	5,242	95	134	148	189	215	6.3	9.7
Museums and historical societies	1,134	1,258	1,300	1,501	1,824	88	88	91	115	125	5.9	5.6
Performing arts group	1,668	1,910	2,031	2,349	2,721	61	82	76	87	96	4.1	4.3
Government agencies	669	835	947	921	1,141	47	46	52	69	71	3.2	3.2
Community funds	718	993	1,079	959	1,261	43	60	65	67	80	2.9	3.6
Libraries	370	378	421	493	570	27	37	25	63	68	1.8	3.1
Churches and temples	572	539	745	682	542	25	24	23	29	19	1.7	.8

[1] Grants may be awarded to multiple types of recipient organizations and would thereby be double-counted.

Source: The Foundation Center, New York, NY, *Foundation Grants Index*, annual.

No. 604. Corporate Philanthropy—Beneficiaries: 1975 to 1985

[In millions of dollars, except percent. Based on a sample of corporations that gave at least $100,000; see source]

Beneficiary	1975	1977	1979	1980	1981	1982	1983	1984	1985	
									Total	Percent of total
Total [1]	**436.8**	**593.9**	**835.6**	**994.6**	**1,170.6**	**1,261.6**	**1,278.4**	**1,444.3**	**1,894.7**	**100.0**
Health and human services [1]	180.0	227.6	292.6	337.9	393.3	397.3	367.6	399.9	494.1	29.2
Federated drives	104.6	128.5	(NA)	170.7	(NA)	182.4	(NA)	193.9	(NA)	(NA)
Other local health, human services	20.5	25.0	(NA)	41.7	(NA)	44.6	(NA)	71.2	(NA)	(NA)
Education [1]	158.4	220.0	314.8	375.6	429.6	522.2	498.6	581.7	650.0	38.3
Dept. and research grants [2]	23.8	31.6	(NA)	64.7	(NA)	114.6	(NA)	175.3	(NA)	(NA)
Employee matching gifts [2]	14.0	22.4	(NA)	45.4	(NA)	71.2	(NA)	72.2	(NA)	(NA)
Unrestricted operating grants [2]	29.1	34.8	(NA)	56.0	(NA)	57.4	(NA)	38.7	(NA)	(NA)
Culture and art	33.0	53.2	62.5	108.7	139.6	145.8	145.2	154.7	187.5	11.1
Civic, community activities [1]	45.2	68.3	97.3	116.8	136.8	149.3	188.8	271.6	279.5	16.5
Community improvement	15.2	26.3	(NA)	47.0	(NA)	48.2	(NA)	62.0	(NA)	(NA)
Environment; ecology	7.5	15.1	(NA)	10.8	(NA)	13.8	(NA)	97.1	(NA)	(NA)

NA Not available. [1] Includes other beneficiaries not shown separately. [2] Higher education institutions.

Source: Platzer, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright.)

Digitized by Google



Section 13

Labor Force, Employment and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey conducted by the U.S. Bureau of the Census. Comprehensive historical data are published by the Bureau of Labor Statistics (BLS) in *Labor Force Statistics Derived From the Current Population Survey: A Databook, BLS Bulletin 2096* and its supplement, and the *Handbook of Labor Statistics*. These volumes are supplemented on a current basis by the BLS monthly publications *Employment and Earnings* and the *Monthly Labor Review*. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

Types of data.—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, section 1). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, Hispanic origin, and age, of the number of persons in the civilian labor force; the number employed, hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Monthly data from the CPS are also presented for 11 large States, New York City and the Los Angeles-Long Beach PMSA. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly data, the CPS also produces annual estimates of employment and unemployment for each State, 50 large metropolitan statistical areas and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1986, reporting establishments employed 10 million manufacturing workers (53 percent of the total manufacturing employment at the time), 15 million workers in nonmanufacturing industries (25 percent of the total in nonmanufacturing), and 12 million Federal, State, and local government employees (73 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with the CPS, the week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data are published in *Employment and Earnings* and the *Monthly Labor Review*, cited above. Historical national and geographic data are published in *BLS Bulletin 1312-12, Employment, Hours, and Earnings, United States, 1909-84* and *Bulletin 1370-17, Employment, Hours, and Earnings, 1939-82* (data for States), and their supplements, and in the *Handbook of Labor Statistics*.

Digitized by Google

Labor force.—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as "employed" or "unemployed" according to the criteria below: Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour's work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed if they are available for work. All other persons, 16 years old and over, are "not in the labor force." The labor force includes, in addition to the civilian employed and unemployed, members of the Armed Forces stationed in the United States. They are also included in the employed totals.

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in "Revisions in the Current Population Survey in January 1982," in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1978, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, the CPS estimation procedure was revised due to the implementation of a new sample design. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin, which were revised to the extent possible, back to January 1980.

Beginning in January 1986, the CPS estimation procedure was revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. The revisions had a comparatively small effect on the total population and labor force estimates, but their effect on the estimates of persons of Hispanic origin was more pronounced. As a result, data for Hispanics, to the extent possible, were again revised back to January 1980. An explanation of the changes and their effect on estimates of labor force characteristics appears in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

Hours and earnings.—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employee during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time (see table 614).

Industrial and occupational groups.—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the Standard Industrial Classification (SIC) Manual, Office of Management and Budget; 1972 is the latest issue. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division, food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy. (A revised SIC Manual is forthcoming which will update the industry structure as of 1982).

Industry data derived from the CPS beginning in January 1983 utilize the industrial classification developed for the 1980 Census of Population. CPS data from 1971 to 1982 were based on the 1970 census classification system. Both population census systems are developed from the SIC. The 1970 system is based on the 1967 SIC, whereas, the 1980 system relates to the 1972 edition. Most of the industry categories were not affected by the change in classification.

Digitized by Google

The occupational classification system used in the 1980 census and in the CPS beginning in January 1983, evolved from the 1980 Standard Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications (e.g., table 655), comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-1982 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82.- For further details, contact BLS.

Productivity—The Bureau of Labor Statistics (BLS) publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 146 specific industries, and various functional areas of the Federal civilian government. Multifactor productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 20 major 2-digit industry groups which comprise the manufacturing sector, and for the steel and motor vehicle industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries*, and the *Handbook of Labor Statistics*. Detailed information on methods, limitations, and data sources appears in the BLS *Handbook of Methods*, BLS Bulletin 2134-1 (1982), chapters 13 and 14.

Unions.—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. For a full description of the method of collection and comparability with earlier data, see "New Data on Union Members and Their Earnings" in the January 1985 issue of *Employment and Earnings*, and "Changing Employment Patterns of Organized Workers" in the February 1985 issue of the *Monthly Labor Review*. Collective bargaining settlements data are available for bargaining situations involving 1,000 or more workers in private industry and State and local government.

Recently, the *Union Sourcebook*, an annual publication by Leo Troy and Neil Sheflin of Rutgers University, has provided alternative estimates of union membership (see table 666). Due to differences in concept, method, scope, and reference period, BLS indicates a somewhat lower membership figure than does the *Sourcebook*. For example, BLS data are based on a sample survey and are subject to sampling error, while the *Sourcebook* data are figures covering all known labor organizations and are derived largely from financial reports of labor organizations. For a detailed discussion of the methodology used in the *Sourcebook* and differences with BLS data, see the *Sourcebook*.

Work stoppages.—Work stoppages include all strikes and lockouts known to BLS which last for at least one full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

Seasonal adjustment.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

Statistical reliability.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Digitized by Google

No. 605. Employment Status of the Noninstitutional Population 16 Years Old and Over: 1950 to 1986

[In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 11–19 and D 85–86]

YEAR	Noninstitutional population	LABOR FORCE								Not in labor force
		Number	Employed					Unemployed		
			Total	Resident Armed Forces	Civilian			Number	Percent of labor force[1]	
					Total	Agriculture	Nonagricultural industries			
1950	106,164	63,377	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,787
1955	111,747	67,087	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1960	119,106	71,489	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1965	128,459	76,401	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1970	139,203	84,889	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1975	154,831	95,453	87,524	1,676	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978	163,541	103,882	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984	178,080	115,241	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
1986	182,293	119,540	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752
PERCENT DISTRIBUTION										
1950	100.0	59.7	56.6	1.1	55.5	6.7	48.8	3.1	(X)	40.3
1960	100.0	60.0	56.8	1.6	55.2	4.6	50.6	3.2	(X)	40.0
1970	100.0	61.0	58.0	1.5	56.5	2.5	54.0	2.9	(X)	39.0
1980	100.0	64.1	59.6	.9	58.6	2.0	56.7	4.5	(X)	35.9
1986	100.0	65.6	61.1	.9	60.1	1.7	58.4	4.5	(X)	34.4

X Not applicable. [1] Unemployment as a percent of the labor force, including resident Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 606. Selected Worklife Indices by Sex, Race, and Educational Attainment: 1979–1980

[In years, except percent. For the civilian noninstitutional population. For methodological details, see source]

INDEX AND AGE	MALE						FEMALE					
	Total	Race		Educational attainment			Total	Race		Educational attainment		
		White	Black and other	Less than high school	High school to 14 years	15 years or more		White	Black and other	Less than high school	High school to 14 years	15 years or more
Life expectancy:												
At birth	70.0	70.7	65.3	70.0	70.0	70.0	77.6	78.3	73.9	77.6	77.6	77.6
At age 25	47.3	47.9	43.3	47.3	47.3	47.3	54.2	54.7	51.0	54.2	54.2	54.2
At age 60	17.5	17.6	16.5	17.5	17.5	17.5	22.4	22.6	21.0	22.4	22.4	22.4
At age 65	14.2	14.3	13.8	14.2	14.2	14.2	18.5	18.7	17.7	18.5	18.5	18.5
Worklife expectancy:												
At birth	38.8	39.8	32.9	34.6	39.9	41.1	29.4	29.7	27.4	22.3	30.1	34.9
At age 25	33.1	33.8	28.6	29.2	33.8	36.1	24.0	24.1	23.5	17.9	24.4	27.9
At age 60	4.4	4.5	3.3	3.3	4.7	6.3	3.0	3.0	3.0	2.3	3.3	3.5
At age 65	2.3	2.3	1.8	1.8	2.4	3.6	1.5	1.5	1.5	1.2	1.8	1.8
Percent of life economically active: [1]												
From birth	55.4	56.3	50.4	49.4	57.0	58.7	37.9	37.9	37.1	26.7	38.8	45.0
From age 25	70.0	70.6	66.1	61.7	71.5	76.3	44.3	44.1	46.1	33.0	45.0	51.5
From age 60	25.1	25.6	20.0	18.9	26.9	36.0	13.4	13.3	14.3	10.3	14.7	15.6
From age 65	16.2	16.1	13.0	12.7	16.9	25.4	8.1	8.0	8.5	6.5	9.7	9.7
Number of times person enters labor force per:												
Person born	3.9	3.9	4.3	4.3	3.7	4.6	5.5	5.6	5.4	5.8	5.6	5.6
Person age 25	1.5	1.5	1.8	2.0	1.5	1.4	3.0	3.0	3.1	3.3	3.2	2.7
Expected duration per entry remaining: [2]												
From birth	9.9	10.2	7.7	8.0	10.8	8.9	5.3	5.3	5.1	3.8	5.4	6.2
From age 25	22.1	22.5	15.9	14.6	22.5	25.8	8.0	8.0	7.6	5.4	7.6	10.3
Number of times person voluntarily leaves labor force:												
From birth	3.6	3.6	3.8	4.0	3.6	4.5	5.4	5.5	5.4	5.7	5.7	4.7
From age 25	2.3	2.3	2.4	2.7	2.3	2.2	3.8	3.8	3.7	3.8	4.0	3.6

[1] Ratio of worklife expectancy to life expectancy. [2] Worklife expectancy divided by number of times person enters labor force.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1985.

Digitized by Google

No. 607. Employment Status of the Civilian Noninstitutional Population 16 Years Old and Over by Sex, Race, and Hispanic Origin: 1960 to 1986

[In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix III for methodology. See also *Historical Statistics, Colonial Times to 1970*, Series D 11-19 and D 85-86]

Year, sex, race, and Hispanic origin	Civilian noninstitutional population	Civilian labor force						Not in labor force	
		Total	Percent of population	Employed	Employment/population ratio [1]	Unemployed		Number	Percent of population
						Number	Percent of labor force		
Total: [2]									
1960	117,245	69,628	59.4	65,778	56.1	3,852	5.5	47,617	40.6
1965	126,513	74,455	58.9	71,088	56.2	3,366	4.5	52,058	41.1
1970	137,085	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6
1975	153,153	93,775	61.2	85,846	56.1	7,929	8.5	59,377	38.8
1978	161,910	102,251	63.2	96,048	59.3	6,202	6.1	59,659	36.8
1979	164,863	104,962	63.7	98,824	59.9	6,137	5.8	59,900	36.3
1980	167,745	106,940	63.8	97,303	58.2	7,637	7.1	60,805	36.2
1981	170,130	108,670	63.9	100,397	59.0	8,273	7.6	61,460	36.1
1982	172,271	110,204	64.0	99,526	57.8	10,678	9.7	62,067	36.0
1983	174,215	111,550	64.0	100,834	57.9	10,717	9.6	62,665	36.0
1984	176,383	113,544	64.4	105,005	59.5	8,539	7.5	62,839	35.6
1985	178,206	115,461	64.8	107,150	60.1	8,312	7.2	62,744	35.2
1986	180,587	117,834	65.3	109,597	60.7	8,237	7.0	62,752	34.7
Male:									
1960	55,662	46,386	83.3	43,904	78.9	2,486	5.4	9,274	16.7
1965	59,782	48,255	80.7	46,340	77.5	1,914	4.0	11,527	19.3
1970	64,304	51,228	79.7	48,990	76.2	2,238	4.4	13,076	20.3
1975	72,291	56,299	77.9	51,857	71.7	4,442	7.9	15,993	22.1
1978	76,576	59,620	77.9	56,479	73.8	3,142	5.3	16,956	22.1
1979	78,020	60,726	77.8	57,607	73.8	3,120	5.1	17,293	22.2
1980	79,398	61,453	77.4	57,186	72.0	4,267	6.9	17,945	22.7
1981	80,511	61,974	77.0	57,397	71.3	4,577	7.4	18,537	23.0
1982	81,523	62,450	76.8	56,271	69.0	6,179	9.9	19,073	23.4
1983	82,531	63,047	76.4	56,787	68.8	6,260	9.9	19,484	23.6
1984	83,605	63,835	76.4	59,091	70.7	4,744	7.4	19,771	23.8
1985	84,469	64,411	76.3	59,891	70.9	4,521	7.0	20,058	23.7
1986	85,798	65,422	76.3	60,892	71.0	4,530	6.9	20,376	23.7
Female:									
1960	61,582	23,240	37.7	21,874	35.5	1,366	5.9	38,343	62.3
1965	66,731	26,200	39.3	24,748	37.1	1,452	5.5	40,531	60.7
1970	72,782	31,543	43.3	29,688	40.8	1,855	5.9	41,239	56.7
1975	80,860	37,475	46.3	33,989	42.0	3,486	9.3	43,386	53.7
1978	85,334	42,631	50.0	39,569	46.4	3,061	7.2	42,703	50.0
1979	86,843	44,235	50.9	41,217	47.5	3,016	6.8	42,608	49.1
1980	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1981	89,618	46,696	52.1	43,000	48.0	3,696	7.9	42,922	47.8
1982	90,748	47,755	52.6	43,256	47.7	4,499	9.4	42,993	47.4
1983	91,684	48,503	52.9	44,047	48.0	4,457	9.2	43,181	47.1
1984	92,778	49,709	53.6	45,915	49.5	3,794	7.6	43,068	46.4
1985	93,736	51,050	54.5	47,259	50.4	3,791	7.4	42,686	45.5
1986	94,789	52,413	55.3	48,706	51.4	3,707	7.1	42,376	44.7
White:									
1960	105,282	81,915	58.8	58,850	55.9	3,065	5.0	43,367	41.1
1965	113,284	66,137	58.4	63,445	56.0	2,691	4.1	47,147	41.6
1970	122,174	73,556	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1975	134,790	82,831	61.5	76,411	56.7	6,421	7.8	51,959	38.5
1978	141,612	89,634	63.3	84,936	60.0	4,698	5.2	51,978	36.7
1979	143,894	91,923	63.9	87,259	60.8	4,664	5.1	51,971	36.1
1980	146,122	93,600	64.1	87,715	60.0	5,884	6.3	52,522	35.9
1981	147,908	95,052	64.3	88,709	60.0	6,343	6.7	52,856	35.7
1982	149,441	96,143	64.3	87,903	58.8	8,241	8.6	53,298	35.7
1983	150,805	97,021	64.3	88,893	58.9	8,128	8.4	53,784	35.7
1984	152,347	98,492	64.8	92,120	60.5	6,372	6.5	53,855	35.4
1985	153,679	99,926	65.0	93,736	61.0	6,191	6.2	53,753	35.0
1986	155,432	101,801	65.5	95,660	61.5	6,140	6.0	53,631	34.5
Black:									
1973	14,917	8,976	60.2	8,128	54.5	846	9.4	5,941	39.8
1975	15,751	9,263	58.8	7,894	50.1	1,369	14.8	6,488	41.2
1978	16,970	10,432	61.5	9,102	53.6	1,330	12.8	6,538	38.5
1979	17,397	10,678	61.4	9,359	53.8	1,319	12.3	6,719	38.6
1980	17,824	10,865	61.0	9,313	52.2	1,553	14.3	6,959	39.0
1981	18,219	11,086	60.8	9,355	51.3	1,731	15.6	7,133	39.2
1982	18,584	11,331	61.0	9,189	49.4	2,142	18.9	7,254	39.0
1983	18,925	11,647	61.5	9,375	49.5	2,272	19.5	7,278	38.5
1984	19,348	12,033	62.2	10,119	52.3	1,914	15.9	7,315	37.8
1985	19,664	12,364	62.9	10,501	53.4	1,864	15.1	7,299	37.1
1986	19,989	12,654	63.3	10,814	54.1	1,840	14.5	7,335	36.7
Hispanic: [3]									
1980	9,598	6,146	64.0	5,527	57.6	620	10.1	3,452	36.0
1981	10,120	6,492	64.1	5,813	57.4	678	10.4	3,628	35.8
1982	10,580	6,734	63.6	5,805	54.9	929	13.8	3,846	36.4
1983	11,029	7,033	63.8	6,072	55.1	961	13.7	3,996	36.2
1984	11,478	7,451	64.9	6,651	57.9	800	10.7	4,027	35.1
1985	11,915	7,698	64.6	6,886	57.8	811	10.5	4,217	35.4
1986	12,344	8,076	65.4	7,219	58.5	857	10.6	4,268	34.6

[1] Civilian employed as a percent of the civilian noninstitutional population. [2] Includes other races, not shown separately. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 608. Civilian Labor Force and Participation Rates, by Race, Sex, and Age, 1970 to 1986, and Projections, 1995 and 2000

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 42–48]

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATE (percent)						
	1970	1975	1980	1985	1986	1995	2000	1970	1975	1980	1985	1986	1995	2000
Total [1]	82.8	93.8	106.9	115.5	117.8	131.6	138.8	60.4	61.2	63.8	64.8	65.3	67.2	67.8
White	73.6	82.8	93.6	99.9	101.8	111.7	116.7	60.2	61.5	64.1	65.0	65.5	67.5	68.2
Male	46.0	50.3	54.5	56.5	57.2	60.5	62.3	80.0	78.7	78.2	77.0	76.9	75.9	75.3
Female	27.5	32.5	39.1	43.5	44.6	51.2	54.4	42.6	45.9	51.2	54.1	55.0	59.7	61.5
Black [2]	9.2	9.3	10.9	12.4	12.7	15.1	16.3	61.8	58.8	61.0	62.9	63.3	65.6	66.0
Male	5.2	5.0	5.6	6.2	6.4	7.4	7.9	76.5	71.0	70.8	70.8	71.2	71.4	70.7
Female	4.0	4.2	5.3	6.1	6.3	7.7	8.4	49.5	48.9	53.2	56.5	56.9	60.9	62.1
Hispanic [3]	(NA)	(NA)	6.1	7.7	8.1	11.8	14.1	(NA)	(NA)	64.0	64.8	65.4	69.7	68.7
Male	(NA)	(NA)	3.8	4.7	4.9	7.0	8.3	(NA)	(NA)	81.4	80.3	81.0	80.9	80.4
Female	(NA)	(NA)	2.3	3.0	3.1	4.7	5.8	(NA)	(NA)	47.4	49.3	50.1	54.7	56.9
Male	51.2	56.9	61.5	64.4	65.4	70.4	73.1	79.7	77.9	77.4	76.3	76.3	75.3	74.7
16–19 years	4.0	4.8	5.0	4.1	4.1	4.0	4.5	56.1	59.1	60.5	56.8	56.4	58.5	60.2
16 and 17 years	1.8	2.1	2.1	1.7	1.7	1.7	1.9	47.0	48.6	50.1	45.1	45.3	47.4	48.7
18 and 19 years	2.2	2.7	2.9	2.5	2.4	2.3	2.6	66.7	70.6	71.3	68.9	68.3	70.7	72.2
20–24 years	5.7	7.6	8.6	8.3	8.1	6.9	7.0	83.3	84.5	85.9	85.0	85.8	86.8	87.5
25–34 years	11.3	14.2	17.0	18.8	19.4	18.4	16.6	96.4	95.2	95.2	94.7	94.6	93.9	93.6
35–44 years	10.5	10.4	11.8	14.5	15.0	19.4	20.1	96.9	95.6	95.5	95.0	94.8	94.1	93.9
45–54 years	10.4	10.4	9.9	10.0	10.1	13.7	16.3	94.3	92.1	91.2	91.0	91.0	90.6	90.1
55–64 years	7.1	7.0	7.2	7.1	7.0	6.4	7.2	83.0	75.6	72.1	67.9	67.3	64.0	63.2
65 years and over	2.2	1.9	1.9	1.8	1.8	1.6	1.4	26.8	21.6	19.0	15.8	16.0	11.9	9.9
Female	31.5	37.5	45.5	51.1	52.4	61.2	65.6	43.3	46.3	51.5	54.5	55.3	59.8	61.5
16–19 years	3.2	4.1	4.4	3.8	3.8	3.8	4.4	44.0	49.1	52.9	52.1	53.0	57.2	59.2
16 and 17 years	1.3	1.7	1.8	1.5	1.5	1.7	1.8	34.9	40.2	43.8	42.1	43.7	48.3	49.7
18 and 19 years	1.9	2.4	2.6	2.3	2.2	2.2	2.5	53.5	59.1	61.9	61.7	62.3	66.3	68.6
20–24 years	4.9	6.2	7.3	7.4	7.3	6.5	6.7	57.7	64.1	68.9	71.8	72.4	76.4	78.4
25–34 years	5.7	8.7	12.3	14.7	15.2	16.0	15.1	45.0	54.9	65.5	70.9	71.6	79.2	82.3
35–44 years	6.0	6.5	8.6	11.6	12.2	17.1	18.4	51.1	55.8	65.5	71.8	73.1	81.0	84.2
45–54 years	6.5	6.7	7.0	7.5	7.7	11.6	14.2	54.4	54.6	59.9	64.4	65.9	72.7	75.4
55–64 years	4.2	4.3	4.7	4.9	4.9	4.9	5.7	43.0	40.9	41.3	42.0	42.3	44.3	45.8
65 years and over	1.1	1.0	1.2	1.2	1.2	1.2	1.0	9.7	8.2	8.1	7.3	7.4	6.2	5.4

NA Not available. [1] Beginning 1975, includes other races not shown separately. [2] For 1970, Black and other. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; *Monthly Labor Review*, September 1987; and unpublished data.

No. 609. Civilian Labor Force—Percent Distribution, by Sex and Age: 1960 to 1986

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 29–41, for similar but not exactly comparable data]

YEAR AND SEX	Civilian labor force (1,000)	PERCENT DISTRIBUTION						
		16–19 years	20–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65 yr. and over
Total: 1960	69,628	7.0	9.6	20.7	23.4	21.3	13.5	4.6
1965	74,455	7.9	11.1	19.1	22.6	21.2	13.9	4.2
1970	82,771	8.8	12.8	20.6	19.9	20.5	13.6	3.9
1975	93,775	9.5	14.7	24.4	18.0	18.2	12.1	3.2
1980	106,940	8.8	14.9	27.3	19.1	15.8	11.2	2.9
1983	111,550	7.3	14.4	28.5	21.2	15.1	10.8	2.7
1984	113,544	7.0	14.1	28.8	22.0	15.0	10.5	2.6
1985	115,461	6.8	13.6	29.1	22.6	15.0	10.4	2.5
1986	117,834	6.7	13.1	29.4	23.1	15.1	10.1	2.6
Male: 1960	46,388	6.0	8.9	22.1	23.8	20.6	13.8	4.9
1965	48,255	7.0	10.1	20.5	23.0	20.8	14.0	4.4
1970	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
1975	56,299	8.5	13.4	25.2	18.5	18.5	12.5	3.4
1980	61,453	8.1	14.0	27.6	19.3	16.1	11.8	3.1
1983	63,047	6.8	13.6	28.6	21.3	15.5	11.3	2.9
1984	63,835	6.5	13.5	29.0	22.0	15.3	11.0	2.7
1985	64,411	6.4	12.9	29.2	22.5	15.3	11.0	2.7
1986	65,422	6.3	12.5	29.6	23.0	15.3	10.6	2.8
Female: 1960	23,240	8.8	11.1	17.8	22.8	22.7	12.8	3.9
1965	26,200	9.6	12.8	16.5	21.8	21.8	13.7	3.7
1970	31,543	10.3	15.5	18.1	18.9	20.7	13.2	3.3
1975	37,475	10.8	16.5	23.1	17.4	17.8	11.5	2.8
1980	45,487	9.6	16.1	26.9	19.0	15.4	10.4	2.6
1983	48,503	8.0	15.4	28.4	21.1	14.6	10.0	2.5
1984	49,709	7.7	15.0	28.6	21.9	14.5	9.9	2.4
1985	51,050	7.4	14.6	28.9	22.7	14.6	9.7	2.3
1986	52,413	7.3	13.9	29.0	23.3	14.8	9.4	2.3

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 610. Characteristics of the Civilian Labor Force, by State: 1986

[In thousands, except ratio and rate. For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals. For composition of regions, see fig. I, inside front cover]

Region, division and state	Total		Employed		Employed/population ratio [1]	Unemployed					Participation rate [2]	
						Total		Rate [3]				
	Number	Female	Total	Female		Number	Female	Total	Male	Female	Male	Female
United States	117,834	52,413	109,597	48,706	60.7	8,237	3,707	7.0	6.9	7.1	76.3	55.3
Region:												
Northeast	24,652	11,011	23,282	10,421	60.1	1,370	590	5.6	5.7	5.4	75.0	53.5
Midwest	29,341	12,971	27,198	12,031	61.3	2,143	940	7.3	7.3	7.2	77.2	56.1
South	39,882	17,920	36,862	16,486	59.8	3,020	1,435	7.6	7.2	8.0	75.7	54.9
West	24,006	10,532	22,297	9,786	62.1	1,709	745	7.1	7.2	7.1	77.3	57.0
New England	6,717	3,098	6,454	2,973	65.4	263	125	3.9	3.8	4.0	77.8	59.4
Maine	562	251	532	237	60.2	30	14	5.3	5.1	5.8	73.8	54.2
New Hampshire	562	253	546	244	70.0	16	8	2.8	2.3	3.3	81.1	63.2
Vermont	292	134	279	127	68.3	14	7	4.7	4.2	5.2	80.9	63.2
Massachusetts	3,051	1,419	2,934	1,366	64.5	117	53	3.8	3.9	3.7	76.8	58.8
Rhode Island	510	247	490	237	64.6	21	10	4.0	3.9	4.2	76.6	59.9
Connecticut	1,740	794	1,674	762	67.2	66	32	3.8	3.5	4.1	80.0	60.8
Middle Atlantic	17,935	7,912	16,827	7,448	58.2	1,108	465	6.2	6.4	5.9	74.1	51.5
New York	8,408	3,722	7,881	3,508	57.4	526	214	6.3	6.7	5.8	73.5	50.6
New Jersey	3,892	1,710	3,696	1,616	62.4	196	95	5.0	4.6	5.5	77.6	54.9
Pennsylvania	5,634	2,479	5,248	2,324	56.8	386	156	6.8	7.3	6.3	72.7	50.8
East North Central	20,463	9,000	18,837	8,294	60.1	1,626	706	7.9	8.0	7.8	76.8	54.9
Ohio	5,234	2,296	4,809	2,127	59.3	426	169	8.1	8.7	7.3	76.1	54.1
Indiana	2,750	1,243	2,565	1,149	62.5	185	94	6.7	6.0	7.8	77.4	57.6
Illinois	5,686	2,498	5,225	2,297	60.3	461	201	8.1	8.2	8.0	77.9	54.7
Michigan	4,393	1,914	4,007	1,741	58.4	385	173	8.8	8.8	9.0	75.7	53.4
Wisconsin	2,399	1,049	2,230	979	62.2	169	70	7.0	7.4	6.8	77.1	57.2
West North Central	8,878	3,971	8,361	3,736	64.2	517	234	5.8	5.8	5.9	78.3	58.8
Minnesota	2,213	989	2,095	936	66.8	118	53	5.3	5.3	5.3	80.2	61.4
Iowa	1,432	631	1,332	586	62.5	100	45	7.0	6.9	7.2	78.3	57.0
Missouri	2,529	1,135	2,374	1,066	62.4	154	69	6.1	6.1	6.1	76.5	57.3
North Dakota	331	145	310	136	64.3	21	9	6.3	6.4	6.2	78.9	58.9
South Dakota	345	154	329	147	65.1	16	8	4.7	4.6	4.9	77.6	59.5
Nebraska	803	367	763	348	65.5	40	19	5.0	5.0	5.1	78.3	60.4
Kansas	1,224	549	1,158	517	64.4	67	32	5.4	5.1	5.9	79.2	58.2
South Atlantic	20,035	9,178	18,889	8,593	61.0	1,145	585	5.7	5.2	6.4	74.9	55.7
Delaware	325	150	311	144	64.6	14	6	4.3	4.4	4.3	77.1	59.1
Maryland	2,358	1,095	2,252	1,037	66.2	105	58	4.5	3.8	5.3	79.0	60.8
District of Columbia	328	165	302	153	62.2	25	13	7.7	7.8	7.8	73.0	62.7
Virginia	2,985	1,306	2,740	1,232	64.0	145	74	5.0	4.5	5.7	77.9	57.9
West Virginia	743	307	655	277	45.0	88	30	11.8	13.2	9.9	64.0	39.8
North Carolina	3,194	1,471	3,024	1,382	63.6	170	89	5.3	4.7	6.0	77.4	58.1
South Carolina	1,602	738	1,502	681	60.9	100	57	6.2	5.0	7.7	75.3	55.9
Georgia	3,014	1,402	2,836	1,296	63.3	178	106	5.9	4.5	7.6	77.7	58.3
Florida	5,588	2,546	5,268	2,395	57.4	320	152	5.7	5.5	6.0	70.8	52.2
East South Central	7,036	3,151	6,373	2,829	56.5	663	322	9.4	8.8	10.2	73.8	52.3
Kentucky	1,690	715	1,533	648	55.8	156	67	9.3	9.1	9.4	74.9	49.1
Tennessee	2,301	1,057	2,118	961	58.0	185	96	8.0	7.2	9.1	73.1	54.4
Alabama	1,863	862	1,697	771	56.5	185	91	9.8	9.2	10.8	73.7	53.3
Mississippi	1,163	517	1,027	449	54.5	136	68	11.7	10.8	13.1	73.5	51.5
West South Central	12,811	5,592	11,600	5,064	59.9	1,212	528	9.5	9.5	9.4	78.0	55.3
Arkansas	1,073	480	979	434	55.6	94	46	8.7	8.1	9.6	71.9	51.2
Louisiana	1,988	875	1,727	755	53.7	261	120	13.1	12.7	13.7	74.7	50.7
Oklahoma	1,593	721	1,462	666	60.9	131	54	8.2	8.6	7.6	77.8	56.4
Texas	8,159	3,515	7,433	3,209	62.0	726	307	8.9	9.0	8.7	79.8	57.0
Mountain	6,371	2,814	5,899	2,614	62.8	472	201	7.4	7.6	7.1	78.4	58.0
Montana	407	178	374	165	62.3	33	13	8.1	8.7	7.3	78.3	57.8
Idaho	468	202	427	187	61.1	41	15	8.7	9.6	7.6	77.7	56.8
Wyoming	249	107	227	98	64.0	22	9	9.0	9.2	8.6	81.1	59.6
Colorado	1,694	774	1,568	721	65.0	126	53	7.4	7.9	6.9	80.7	60.8
New Mexico	672	281	610	258	58.3	62	24	9.2	9.7	8.5	76.0	52.8
Arizona	1,586	700	1,476	650	60.3	110	50	6.9	6.8	7.1	75.3	55.0
Utah	755	321	709	299	65.8	45	22	6.0	5.4	6.8	81.3	58.9
Nevada	541	251	508	237	67.8	32	15	6.0	6.2	5.8	79.7	65.1
Pacific	17,635	7,717	16,399	7,173	61.8	1,237	544	7.0	7.0	7.1	76.9	56.6
Washington	2,178	962	2,000	879	60.7	179	83	8.2	7.8	8.7	75.8	56.8
Oregon	1,347	611	1,233	559	60.8	114	52	8.5	8.4	8.5	74.7	58.1
California	13,365	5,801	12,473	5,413	62.0	892	388	6.7	6.7	6.7	77.3	56.2
Alaska	256	114	229	104	65.5	26	10	10.8	12.1	9.1	82.0	64.9
Hawaii	488	226	465	217	62.9	24	11	4.8	4.9	4.8	73.8	59.0

[1] Civilian employment as a percent of civilian noninstitutional population. [2] Percent unemployed of the civilian labor force. [3] Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1986*.

Digitized by Google

No. 611. Civilian Labor Force—Employment Status, by Sex, Race, and Age: 1986

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

Age and race	Civilian labor force			Male (1,000)			Female (1,000)			Percent of labor force			
	Total (1,000)	Percent by age		Total	Employed	Unemployed	Total	Employed	Unemployed	Employed		Unemployed	
		Male	Female							Male	Female	Male	Female
All workers [1]	**117,834**	**100.0**	**100.0**	**65,422**	**60,892**	**4,530**	**52,413**	**48,706**	**3,707**	**93.1**	**92.9**	**6.9**	**7.1**
16–19 years	7,926	6.3	7.3	4,102	3,323	779	3,824	3,149	675	81.0	82.3	19.0	17.6
20–24 years	15,441	12.5	13.9	8,148	7,250	899	7,293	6,540	752	89.0	89.7	11.0	10.3
25–34 years	34,591	29.6	29.0	19,383	18,092	1,291	15,208	14,109	1,099	93.3	92.8	6.7	7.2
35–44 years	27,232	23.0	23.3	15,029	14,266	763	12,204	11,595	609	94.9	95.0	5.1	5.0
45–54 years	17,739	15.3	14.8	9,994	9,554	440	7,746	7,395	350	95.6	95.5	4.4	4.5
55–64 years	11,894	10.6	9.4	6,954	6,654	301	4,940	4,751	189	95.7	96.2	4.3	3.8
65 years and over	3,010	2.8	2.3	1,811	1,753	58	1,199	1,165	33	96.8	97.2	3.2	2.8
White	**101,801**	**100.0**	**100.0**	**57,217**	**53,785**	**3,433**	**44,584**	**41,876**	**2,708**	**94.0**	**93.9**	**6.0**	**6.1**
16–19 years	6,862	6.2	7.4	3,542	2,966	576	3,320	2,825	495	83.7	85.1	16.3	14.9
20–24 years	13,176	12.2	13.9	6,986	6,340	645	6,191	5,687	504	90.8	91.9	9.2	8.1
25–34 years	29,497	29.3	28.6	16,769	15,790	978	12,729	11,956	773	94.2	93.9	5.8	6.1
35–44 years	23,571	23.1	23.2	13,207	12,620	586	10,364	9,895	470	95.6	95.5	4.4	4.5
45–54 years	15,379	15.4	14.8	8,791	8,442	349	6,588	6,307	281	96.0	95.7	4.0	4.3
55–64 years	10,583	10.9	9.7	6,260	6,012	248	4,323	4,164	159	96.0	96.3	4.0	3.7
65 years and over	2,732	2.9	2.4	1,663	1,612	51	1,069	1,042	27	96.9	97.5	3.1	2.5
Black	**12,654**	**100.0**	**100.0**	**6,373**	**5,428**	**946**	**6,281**	**5,386**	**894**	**85.2**	**85.8**	**14.8**	**14.2**
16–19 years	883	7.2	6.8	458	278	180	425	259	167	60.7	60.8	39.3	39.2
20–24 years	1,881	15.0	14.7	957	732	225	924	696	228	76.5	75.3	23.5	24.7
25–34 years	4,028	31.8	31.8	2,029	1,756	273	1,999	1,708	291	86.5	85.4	13.5	14.6
35–44 years	2,793	21.9	22.8	1,359	1,211	148	1,434	1,313	121	89.1	91.6	10.9	8.4
45–54 years	1,793	14.1	14.2	901	831	70	892	835	57	92.2	93.6	7.8	6.4
55–64 years	1,051	8.7	7.9	552	507	44	499	475	25	92.0	95.0	8.0	5.0
65 years and over	224	1.8	1.7	116	112	5	107	102	5	95.7	95.3	4.3	4.7

[1] Includes other races not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 612. Employed Civilians and Weekly Hours, by Selected Characteristics: 1970 to 1986

[**In thousands except as indicated.** For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

Age, sex, and marital status	1970	1975	1980	1982	1983	1984	1985	1986
Total employed	**78,678**	**85,846**	**99,303**	**99,526**	**100,834**	**105,005**	**107,150**	**109,597**
Age:								
16–19 years	6,144	7,104	7,710	6,549	6,342	6,444	6,434	6,472
20–24 years	9,731	11,885	14,087	13,690	13,722	14,207	13,980	13,790
25–34 years	16,318	21,087	27,204	28,149	28,756	30,348	31,206	32,201
35–44 years	15,922	15,953	19,523	20,879	21,980	23,598	24,732	25,861
45–54 years	16,473	16,190	16,234	15,923	15,812	16,178	16,509	16,949
55–64 years	10,974	10,827	11,586	11,414	11,315	11,395	11,474	11,405
65 years and over	3,118	2,801	2,960	2,923	2,927	2,835	2,813	2,919
Sex: Male	48,990	51,857	57,186	56,271	56,787	59,091	59,891	60,892
Female	29,688	33,989	42,117	43,256	44,047	45,915	47,259	48,706
Marital status:								
Married, spouse present	55,554	58,037	62,536	62,127	62,570	64,692	65,584	66,802
Single (never married)	15,039	18,256	24,082	24,069	24,779	26,143	26,780	27,478
Widowed, divorced, separated	8,087	9,552	12,686	13,330	13,483	14,170	14,786	15,318
Class of worker:								
Nonagriculture	75,215	82,438	95,938	96,125	97,450	101,885	103,971	106,434
Wage and salary worker	69,491	76,249	88,525	88,462	89,500	93,565	95,871	98,299
Self-employed	5,221	5,705	7,000	7,262	7,575	7,785	7,811	7,881
Unpaid family workers	502	483	413	401	376	335	289	255
Agriculture	3,463	3,408	3,364	3,401	3,383	3,321	3,179	3,163
Wage and salary worker	1,154	1,301	1,425	1,505	1,579	1,555	1,535	1,547
Self-employed	1,810	1,722	1,642	1,636	1,565	1,553	1,458	1,447
Unpaid family workers	499	386	297	261	240	213	185	169
Weekly hours:								
Nonagriculture:								
Wage and salary workers	38.3	38.1	38.1	37.6	37.9	38.4	38.7	38.8
Self-employed	45.0	42.3	41.2	39.8	40.0	40.6	41.1	41.2
Unpaid family workers	37.9	38.3	34.7	34.7	34.8	35.1	35.1	35.5
Agriculture:								
Wage and salary workers	40.0	40.8	41.6	40.3	40.3	41.1	40.8	40.9
Self-employed	51.0	49.7	49.3	48.3	47.4	48.1	48.2	48.4
Unpaid family workers	40.0	39.6	38.6	38.9	38.8	38.9	38.5	39.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

Digitized by Google

NO. 613. PERSONS WITH A JOB BUT NOT AT WORK: 1970 TO 1986

[In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 116-126, for related but not comparable data]

REASON FOR NOT WORKING	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986		
											Total	Male	Female
All industries, number	**4,645**	**5,221**	**5,573**	**5,747**	**5,862**	**5,790**	**5,712**	**5,563**	**5,575**	**5,789**	**5,741**	**2,828**	**2,912**
Percent of employed	**5.9**	**6.1**	**5.8**	**5.8**	**5.9**	**5.8**	**5.7**	**5.5**	**5.3**	**5.4**	**5.2**	**4.6**	**6.0**
Nonagricultural industries	4,511	5,056	5,415	5,601	5,729	5,653	5,573	5,413	5,439	5,667	5,613	2,725	2,888
Reason for not working:													
Vacation	2,341	2,815	2,985	3,191	3,320	3,247	3,153	3,096	3,147	3,338	3,234	1,558	1,676
Illness	1,324	1,343	1,436	1,420	1,425	1,413	1,331	1,291	1,322	1,308	1,292	688	604
Bad weather	128	139	238	198	155	112	202	124	118	141	128	119	10
Industrial dispute	156	95	100	123	105	64	36	91	40	42	56	39	17
All other	696	829	815	816	876	953	988	962	947	960	1,030	426	605

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 614. EMPLOYED AND UNEMPLOYED WORKERS BY WORK SCHEDULES, SEX, AND AGE: 1976 TO 1986

[In thousands. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	EMPLOYED				CHARACTERISTIC	UNEMPLOYED			
	1976	1980	1985	1986		1976	1980	1985	1986
Total	**88,752**	**99,303**	**107,150**	**109,597**	**Total**	**7,406**	**7,636**	**8,312**	**8,237**
Full-time [1]	73,964	82,562	88,535	90,529	Looking for full-time work	5,974	6,269	6,793	6,708
Male	48,150	51,717	53,862	54,685	Male	3,421	3,703	3,925	3,916
16–19 years old	1,974	2,017	1,437	1,367	16–19 years old	551	537	446	408
20–24 years old	6,002	6,533	6,078	6,050	20–24 years old	856	994	857	800
25–54 years old	32,873	35,644	39,207	40,231	25–54 years old	1,695	1,923	2,329	2,415
55 years and over	7,298	7,521	7,139	7,037	55 years and over	320	250	292	293
Female	25,814	30,846	34,672	35,845	Female	2,553	2,564	2,868	2,792
16–19 years old	1,409	1,456	1,069	1,033	16–19 years old	448	430	331	324
20–24 years old	4,435	5,096	4,903	4,844	20–24 years old	649	636	636	607
25–54 years old	16,405	20,395	24,838	26,044	25–54 years old	1,268	1,363	1,727	1,714
55 years and over	3,565	3,897	3,862	3,923	55 years and over	188	135	173	147
Part-time [1]	14,788	16,740	18,615	19,069	Looking for part-time work	1,432	1,369	1,519	1,529
Male	4,989	5,471	6,028	6,207	Male	615	563	596	614
16–19 years old	1,973	2,068	1,891	1,955	16–19 years old	387	377	360	371
20–24 years old	913	999	1,261	1,201	20–24 years old	94	81	87	99
25–54 years old	946	1,092	1,568	1,680	25–54 years old	63	54	79	78
55 years and over	1,157	1,314	1,308	1,371	55 years and over	71	52	70	67
Female	9,799	11,271	12,587	12,862	Female	816	806	923	915
16–19 years old	1,981	2,169	2,036	2,118	16–19 years old	333	326	330	350
20–24 years old	1,219	1,456	1,738	1,696	20–24 years old	115	124	158	145
25–54 years old	4,961	5,827	6,837	7,055	25–54 years old	291	299	359	344
55 years and over	1,636	1,815	1,976	1,993	55 years and over	79	57	75	75

[1] Full-time workers include employed persons on full-time (35 hours or more per week) schedules and those working part-time (between 1 and 34 hours) for economic reasons who usually work full-time. Part-time workers include employed persons working part-time voluntarily and those working part-time for economic reasons, who usually work part-time. Employed persons with a job but not at work are distributed according to whether they usually work full- or part-time.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

NO. 615. SELECTED MEASURES OF WORK SCHEDULES, BY SEX, OCCUPATION AND INDUSTRY: 1985

[Hours and days are means. See headnote, table 616]

SEX AND OCCUPATION	HOURS		Days per week	Percent working weekends
	Per week	Per day		
Total	**38.7**	**7.9**	**4.9**	**29.3**
Sex: Male	41.6	8.3	5.0	32.2
Female	35.0	7.4	4.7	25.6
Occupation:				
Precision production, craft, and repair	40.9	8.2	5.0	17.8
Managerial and professional	40.9	8.3	4.9	16.5
Operators, fabricators and laborers	39.2	8.0	4.9	19.9
Farming, forestry and fishing	38.0	7.7	5.2	44.5
Technical, sales, and admin. support	36.6	7.6	4.8	24.5
Service	32.3	7.1	4.5	44.9

INDUSTRY	HOURS		Days per week	Percent working weekends
	Per week	Per day		
Industry: Mining	44.4	8.7	5.1	27.8
Manufacturing, durable goods	41.0	8.2	5.0	11.1
Wholesale trade	40.9	8.3	4.9	16.4
Transportation and public utilities	40.8	8.3	4.9	21.7
Agriculture	40.7	8.0	5.1	46.7
Manufacturing, nondurable goods	40.0	8.1	4.9	14.0
Construction	40.0	8.2	4.9	12.3
Public administration	39.9	8.4	4.9	14.4
Finance, insurance, and real estate	39.0	7.9	5.0	14.9
Services	35.8	7.6	4.9	21.1
Retail trade	34.2	7.2	4.8	57.0

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986.

Digitized by Google

NO. 616. EMPLOYED PERSONS WORKING AT HOME, BY SELECTED CHARACTERISTIC: 1985

[In thousands, except mean hours. As of May. For the civilian noninstitutional population 16 years old and over. Based on the Current Population Survey; see text, section 1 and Appendix III. For definition of mean, see Guide to Tabular Presentation]

ITEM	Total [1]	HOURS WORKED PER WEEK			ITEM	Total [1]	HOURS WORKED PER WEEK		
		8 hours or more	35 hours or more	Mean hours			8 hours or more	35 hours or more	Mean hours
Total	**17,477**	**8,978**	**1,287**	**11.0**	Industry: Agriculture	421	403	277	45.7
Worked entirely at home	**2,243**	**1,992**	**1,067**	**32.1**	Nonagriculture	1,823	1,589	790	29.0
Sex: Male	749	709	476	41.1	Mining	16	14	5	(B)
Female	1,494	1,284	591	27.7	Construction	81	66	24	25.0
Occupation: Managerial and professional	533	451	211	28.5	Manufacturing	151	140	65	28.5
Technical, sales and admin. support	593	482	210	25.4	Durable	67	64	28	(B)
Service	504	478	288	34.0	Nondurable	83	76	37	25.9
Precision production, craft and repair	142	121	55	27.0	Transportation and public utilities	54	48	33	(B)
Operators, fabricators and laborers	82	76	38	28.5	Wholesale trade	49	42	14	(B)
Farming, forestry, and fishing	390	385	266	47.6	Retail trade	202	151	63	23.5
					Finance, insurance and real estate	111	102	64	34.0
					Services	1,128	1,000	514	29.9
					Public admin	25	22	3	(B)

B Data not shown where base is less than 75,000. [1] For workers reporting actual hours worked at home.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986.

NO. 617. WORKERS ON FLEXIBLE SCHEDULES, BY SELECTED CHARACTERISTIC: 1985

[In thousands, except percent. As of May. For full-time wage and salary workers. See headnote, table 616]

CHARACTERISTIC	ALL WORKERS			WITH FLEXIBLE SCHEDULES			PERCENT OF ALL WORKERS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	**73,395**	**43,779**	**29,616**	**9,061**	**5,760**	**3,300**	**12.3**	**13.2**	**11.1**
Marital status and presence of youngest child:									
Single	16,812	9,703	7,109	2,123	1,232	891	12.6	12.7	12.5
With no children under 18	16,264	9,605	6,659	2,055	1,218	837	12.6	12.7	12.6
With own children: under 6	301	88	213	26	10	16	8.6	11.4	7.5
Between 6 and 13 years old	192	6	186	29	1	28	15.1	16.7	15.1
Between 14 and 17 years old	55	4	51	13	3	10	23.6	75.0	19.6
Married, spouse present	45,345	29,666	15,679	5,483	3,868	1,615	12.1	13.0	10.3
With no children under 18	19,413	11,567	7,846	2,311	1,531	780	11.9	13.2	9.9
With own children: under 6	12,093	8,927	3,166	1,459	1,130	329	12.1	12.7	10.4
Between 6 and 13 years old	9,391	6,299	3,092	1,164	814	350	12.4	12.9	11.3
Between 14 and 17 years old	4,449	2,873	1,576	547	392	155	12.3	13.6	9.8
Other marital status	11,236	4,410	6,826	1,455	661	794	12.9	15.0	11.6
With no children under 18	8,252	3,895	4,357	1,125	588	537	13.6	15.1	12.3
With own children: under 6	673	120	553	62	9	53	9.2	7.5	9.6
Between 6 and 13 years old	1,418	224	1,194	173	38	135	12.2	17.0	11.3
Between 14 and 17 years old	895	171	724	94	25	69	10.5	14.6	9.5
Occupation:									
Managerial and professional	18,944	10,896	8,049	3,448	2,340	1,109	18.2	21.5	13.8
Technical, sales, administrative	21,961	8,346	13,615	3,215	1,540	1,675	14.6	18.5	12.3
Service occupations	7,266	3,552	3,717	619	302	317	8.5	8.5	8.5
Precision production, craft and repair	10,477	9,670	807	717	658	59	6.8	6.8	7.3
Operators, fabricators, and laborers	13,326	10,073	3,253	847	728	120	6.4	7.2	3.7
Farming, forestry, and fisheries	1,418	1,243	175	214	192	22	15.1	15.4	12.6
Industry:									
Private sector	60,127	36,995	23,132	7,559	4,904	2,656	12.6	13.3	11.5
Goods producing [1]	24,626	18,354	6,272	2,420	1,892	528	9.8	10.3	8.4
Service producing	35,500	18,641	16,860	5,139	3,011	2,128	14.5	16.2	12.6
Public sector	13,268	6,784	6,484	1,501	857	644	11.3	12.6	9.9
Federal government	2,901	1,794	1,107	580	340	240	20.0	19.0	21.7
State government	3,320	1,645	1,675	537	292	245	16.2	17.8	14.6
Local government	7,047	3,345	3,702	384	225	160	5.4	6.7	4.3

[1] Includes agriculture, mining, construction, and manufacturing.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986 and unpublished data.

Digitized by Google

No. 618. Multiple Jobholders—Selected Characteristics: 1985

[See headnote, table 616. Multiple jobholders are employed persons who, either 1) had jobs as wage or salary workers with two employers or more; 2) were self-employed and also held a wage and salary job; or 3) were unpaid family workers on their primary jobs but also held wage and salary jobs]

Characteristic	Employed (1,000)			Multiple jobholders						
				Number (1,000)			Average weekly hours		Median weekly earnings [1] (dol.)	
	Total	Male	Female	Total	Male	Female	All jobs	Secondary job	All jobs	Secondary job
Total	**106,878**	**60,015**	**46,864**	**5,730**	**3,537**	**2,192**	**51.3**	**14.2**	**$343**	**$70**
Age:										
16 to 19 years old	6,289	3,370	2,919	289	134	156	34.0	11.4	119	42
20 to 24 years old	13,857	7,345	6,512	777	436	340	48.9	14.1	245	65
25 to 34 years old	31,246	17,641	13,605	1,771	1,090	682	52.6	14.7	340	75
35 to 44 years old	24,446	13,698	10,748	1,522	967	556	53.7	15.1	477	76
45 to 54 years old	16,882	9,526	7,156	847	558	290	52.9	13.5	510	73
55 to 64 years old	11,545	6,739	4,806	433	294	139	51.8	13.5	494	71
65 years old and over	2,813	1,696	1,117	90	59	31	42.3	10.7	152	45
Race and Hispanic origin:										
White	93,555	53,222	40,333	5,286	3,291	1,995	51.1	14.0	344	69
Black	10,416	5,240	5,176	338	187	151	53.8	16.8	305	81
Hispanic origin [2]	6,489	3,984	2,505	194	125	69	51.1	15.1	355	66
Marital status:										
Single	26,167	14,768	11,399	1,448	767	681	(NA)	(NA)	(NA)	(NA)
Married, spouse present	65,443	39,444	25,999	3,448	2,447	1,001	(NA)	(NA)	(NA)	(NA)
Other	15,268	5,803	9,465	834	323	510	(NA)	(NA)	(NA)	(NA)
Class of worker—primary job:										
Agriculture	3,524	2,837	687	186	151	35	53.2	18.2	(NA)	70
Wage and salary worker	1,731	1,391	340	103	83	21	55.6	15.3	226	76
Self-employed	1,582	1,376	206	74	65	9	51.3	22.0	(NA)	65
Unpaid family worker	211	70	140	8	4	4	36.9	23.3	(NA)	(NA)
Nonagriculture	103,354	57,177	46,177	5,544	3,386	2,158	51.2	14.1	(NA)	69
Wage and salary worker	95,379	52,008	43,372	5,266	3,230	2,036	51.7	14.1	376	68
Self-employed	7,694	5,134	2,561	269	151	118	42.4	14.0	(NA)	78
Unpaid family worker	280	36	244	9	5	4	41.7	20.8	(NA)	(NA)

NA Not available. [1] Data on wage and salary earnings only were collected for the primary job. Data on earnings from all sources were collected for the secondary job. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

No. 619. Hispanic Persons—Civilian Labor Force Participation: 1985 and 1986

[As of **March**. For civilian noninstitutional population, **16 years old and over**. Based on Current Population Survey; see text, section 1 and Appendix III]

Item	1985					1986				
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin [1]	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin [1]
Total (1,000)	**11,466**	**6,625**	**1,721**	**851**	**2,269**	**12,273**	**7,291**	**1,508**	**861**	**2,612**
Percent in labor force: Male	78.5	81.5	66.9	74.6	78.4	79.0	81.1	67.8	78.2	79.0
Female	50.4	51.3	39.0	56.9	54.7	48.9	49.1	37.8	53.9	53.7
Employed (1,000)	6,532	3,900	756	520	1,356	7,007	4,239	656	540	1,573
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional	12.0	9.6	13.3	16.9	16.4	12.2	9.8	14.8	20.2	14.7
Tech., sales, and admin. support	25.9	24.1	30.5	28.3	27.6	25.6	23.7	28.9	33.9	26.4
Service	17.9	17.2	21.1	12.5	19.9	18.9	17.9	20.4	12.6	23.3
Farming, forestry, and fishing occupations	4.1	6.2	.7	.4	1.4	4.3	6.2	1.2	1.1	1.7
Precision production, craft, and repair	15.3	16.9	10.8	17.8	12.5	13.7	14.5	10.5	14.2	12.4
Operators, fabricators and laborers	24.8	26.1	23.5	24.4	22.0	25.3	27.8	24.2	18.0	21.5
Percent unemployed: Male	11.8	12.5	15.0	6.9	9.2	11.3	11.7	16.4	6.3	9.2
Female	10.5	10.9	13.3	6.6	9.6	9.5	10.3	14.1	4.1	7.3

[1] Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of the Census, series P-20, Nos. 403 and 416.

Digitized by Google

No. 620. Civilian Labor Force—Years of School Completed, by Sex and Race: 1987

[As of **March**. For civilian noninstitutional population 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

Employment status, sex, and race	Population, 16 yr. old and over (1,000)	Percent distribution by school years completed							
		Elementary school			High school		College		
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years	5 years or more
Total [1]	**182,197**	**2.1**	**3.9**	**5.3**	**15.9**	**37.7**	**17.9**	**10.3**	**6.9**
Civilian labor force	118,134	.9	2.1	2.9	12.2	40.1	20.1	12.8	9.0
Employed	109,854	.8	2.0	2.6	11.2	40.0	20.5	13.4	9.5
Unemployed	8,280	1.1	3.9	4.8	25.9	41.1	15.2	5.5	2.4
Not in labor force	64,063	4.4	7.3	10.0	22.5	33.4	13.6	5.7	3.2
Male, total	86,629	2.2	4.1	5.3	16.0	34.7	17.6	11.2	8.8
Civilian labor force	65,174	1.1	2.6	3.3	13.1	37.5	18.9	13.3	10.2
Employed	60,368	1.1	2.5	3.1	11.9	37.5	19.3	13.8	10.9
Unemployed	4,806	1.1	4.6	5.6	27.3	38.3	14.6	6.0	2.5
Not in labor force	21,454	5.6	6.4	11.5	25.0	26.2	13.6	5.1	4.5
Female, total	95,568	2.0	3.8	5.2	15.7	40.4	18.1	9.5	5.2
Civilian labor force	52,960	.6	1.5	2.0	11.3	43.3	21.6	12.3	7.4
Employed	49,486	.5	1.4	1.9	10.4	43.2	22.0	12.9	7.7
Unemployed	3,474	1.0	3.0	3.7	24.0	45.0	16.1	4.9	2.3
Not in labor force	42,608	3.8	6.7	9.2	21.3	36.9	13.7	5.9	2.5
White, total	156,589	1.8	3.6	5.4	15.0	38.3	18.0	10.7	7.3
Civilian labor force	102,043	.8	2.0	2.7	11.6	40.2	20.1	13.2	9.3
Employed	95,847	.8	1.9	2.5	10.7	40.2	20.5	13.7	9.8
Unemployed	6,196	1.2	3.8	5.2	25.2	41.1	14.9	6.0	2.6
Not in labor force	54,545	3.6	6.6	10.4	21.3	34.8	14.1	6.0	3.4
Black, total	20,200	4.0	6.6	5.0	23.4	36.1	15.9	5.8	3.1
Civilian labor force	12,544	1.0	3.3	3.1	18.2	42.6	19.7	7.9	4.2
Employed	10,730	1.0	3.1	3.0	18.3	42.7	20.4	8.6	4.8
Unemployed	1,814	.4	4.4	3.6	29.3	42.0	15.6	3.5	.9
Not in labor force	7,656	9.0	12.1	8.2	31.9	25.5	9.7	2.2	1.3

[1] Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 621. School Enrollment and Labor Force Status of Civilians 16 to 24 Years Old, by Selected Characteristics: 1980 and 1986

[**In thousands, except percent.** As of **October**. Civilian noninstitutional population. Based on Current Population Survey; see text, section 1 and Appendix III]

Characteristic	Population		Civilian labor force			Employed		Unemployed		
	1980	1986	1980, total	1986		1980	1986	1980, total	1986	
				Total	Percent [1]				Total	Rate [2]
Total, 16 to 24 years [3]	**37,103**	**33,945**	**24,918**	**22,869**	**67.4**	**21,459**	**19,989**	**3,464**	**2,880**	**12.6**
Enrolled in school [3]	15,713	15,317	7,454	7,426	48.5	6,438	6,449	1,021	977	13.2
16 to 19 years	11,126	10,733	4,836	4,701	43.8	4,029	3,943	807	758	16.1
20 to 24 years	4,587	4,584	2,618	2,725	59.4	2,405	2,506	214	216	8.0
Male	7,997	7,800	3,825	3,730	47.8	3,259	3,205	566	526	14.1
Female	7,716	7,517	3,629	3,696	49.2	3,179	3,245	455	451	12.2
College level	7,664	7,602	3,996	4,207	55.3	3,632	3,825	364	383	9.1
Full-time	6,396	6,351	2,854	3,054	48.1	2,554	2,733	300	321	10.5
White	13,242	12,581	6,690	6,527	51.9	5,892	5,787	798	740	11.3
Below college	6,566	6,163	3,096	2,811	45.6	2,579	2,382	517	430	15.3
College level	6,678	6,417	3,592	3,716	57.9	3,310	3,406	282	310	8.3
Black	2,028	2,062	595	652	31.6	406	449	189	202	31.1
Below college	1,282	1,243	294	327	26.3	174	180	120	146	44.6
College level	747	819	300	326	39.8	230	268	70	55	16.9
Not enrolled [3]	21,390	18,628	17,464	15,443	82.9	15,021	13,540	2,443	1,903	12.3
White	18,103	15,499	15,121	13,105	84.5	13,316	11,807	1,803	1,298	9.9
Black	2,864	2,692	2,055	2,006	74.5	1,451	1,439	604	567	28.3

[1] Percent of civilian noninstitutional population. [2] Percent of civilian labor force in each category. [3] Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2192 and unpublished data.

Digitized by Google

No. 622. Labor Force Participation Rates, by Marital Status, Sex, and Age: 1960 to 1987

[As of **March**. See table 610 for definition of participation rate. Includes male members of the Armed Forces living offpost or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

Year and marital status	Male participation rate						Female participation rate					
	16–19 years	20–24 years	25–34 years	35–44 years	45–64 years	65 and over	16–19 years	20–24 years	25–34 years	35–44 years	45–64 years	65 and over
1960: Married [1]	[2] 96.0	97.5	98.6	98.4	93.0	37.1	[2] 25.3	30.0	27.7	36.2	34.2	5.9
Single	[2] 34.4	78.6	85.3	85.3	74.4	24.3	[2] 25.3	73.4	79.9	79.7	75.1	21.6
Other [3]	(B)	84.6	92.3	94.1	78.1	18.2	[2] 37.3	54.6	55.5	67.4	56.3	11.0
1970: Married [1]	95.5	95.0	98.2	98.1	91.6	30.2	36.0	47.4	39.3	47.2	44.1	7.9
Single	49.0	69.0	86.2	82.3	66.6	21.0	39.5	71.1	80.7	73.3	67.8	17.6
Other [3]	(B)	73.2	74.5	80.6	75.9	16.5	46.5	59.7	65.1	67.9	60.7	9.9
1975: Married [1]	92.3	95.1	97.3	97.0	87.0	23.7	46.0	57.3	48.3	51.9	43.9	7.2
Single	53.2	76.5	87.4	86.5	66.7	20.5	45.5	68.5	80.4	77.8	68.4	18.2
Other [3]	(B)	84.7	92.4	89.3	69.4	18.0	41.9	68.1	67.5	69.4	60.4	8.1
1980: Married [1]	97.3	96.8	97.5	97.0	84.8	20.4	47.7	60.5	59.3	62.5	46.9	7.2
Single	56.8	79.6	87.3	79.9	85.2	20.0	49.0	72.2	84.2	78.5	62.6	12.0
Other [3]	(B)	92.9	93.8	91.1	69.9	13.0	51.0	68.5	77.1	76.4	59.5	8.6
1983: Married [1]	92.7	95.7	97.3	97.2	82.1	19.1	46.6	63.0	62.5	65.4	47.6	7.5
Single	49.9	77.8	86.4	81.8	66.6	23.9	46.0	72.6	83.6	81.1	66.1	12.6
Other [3]	(B)	89.7	91.9	90.7	73.9	13.1	45.3	66.4	77.1	77.7	59.5	7.5
1984: Married [1]	96.5	96.2	97.2	97.2	81.8	17.4	43.4	63.3	64.0	66.4	49.0	7.3
Single	50.8	78.5	87.4	83.2	65.6	16.7	46.4	72.1	83.5	83.0	67.0	11.8
Other [3]	(B)	91.6	90.7	92.8	71.6	12.6	53.6	71.3	76.5	79.6	61.0	7.7
1985: Married [1]	90.9	95.7	97.4	96.7	81.6	17.5	49.2	64.9	65.8	68.1	50.6	6.7
Single	52.4	77.9	87.5	80.8	67.3	16.0	48.6	74.0	82.5	80.6	73.2	8.0
Other [3]	(B)	88.9	92.9	92.1	72.8	12.7	50.9	66.5	78.9	80.6	60.7	7.9
1986: Married [1]	91.8	95.8	97.3	96.3	81.8	17.3	52.9	63.1	66.4	69.0	50.4	7.0
Single	50.8	80.7	88.3	84.5	61.4	17.8	50.1	75.0	81.1	79.6	69.3	8.0
Other [3]	(B)	93.9	93.1	89.1	71.7	13.0	50.6	71.0	78.4	82.6	61.7	7.4
1987: Married [1]	90.4	95.7	97.2	96.2	82.2	17.4	42.8	67.4	67.5	71.7	51.3	6.9
Single	50.2	80.0	88.0	83.7	67.9	16.3	49.8	74.5	82.9	81.8	58.8	9.1
Other [3]	(B)	90.8	92.9	91.1	73.1	11.1	51.5	67.2	77.1	83.0	61.9	7.6

B For 1960, percentage not shown where base is less than 100,000; beginning 1970, 75,000. [1] Spouse present. [2] 14 to 19 years old. [3] Widowed, divorced, and married (spouse absent).

Source: U.S. Bureau of Labor Statistics, Bulletin 2096, and unpublished data.

No. 623. Marital Status of Women in the Civilian Labor Force: 1940 to 1987

[**As of March, except as indicated. Persons 14 years old and over through 1965; 16 years old and over thereafter.** Prior to 1960, excludes Alaska and Hawaii. Figures for 1940 based on complete census revised for comparability with intercensal series. Later data based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 49–62]

Year	Female labor force (1,000)					Percent distribution, female labor force			Female labor force as percent of female population				
	Total	Single	Married		Widowed or divorced	Single	Married [1]	Widowed or divorced	Total	Single	Married		Widowed or divorced
			Total [1]	Husband present							Total [1]	Husband present	
1940	13,840	6,710	5,040	4,200	2,090	48.5	36.4	15.1	27.4	48.1	16.7	14.7	32.0
1944 [2]	18,449	7,542	8,433	6,226	2,474	40.9	45.7	13.4	35.0	58.6	25.6	21.7	35.7
1947 [2]	16,323	6,181	7,545	6,678	2,597	37.9	46.2	15.9	29.8	51.2	21.4	20.0	34.6
1950	17,795	5,621	9,273	8,550	2,901	31.6	52.1	16.3	31.4	50.5	24.8	23.8	36.0
1955 [2]	20,154	5,087	11,839	10,423	3,227	25.2	58.7	16.0	33.5	46.4	29.4	27.7	36.0
1960	22,516	5,401	13,485	12,253	3,629	24.0	59.9	16.1	34.8	44.1	31.7	30.5	37.1
1965	25,952	5,912	16,154	14,708	3,886	22.8	62.2	15.0	36.7	40.5	35.7	34.7	35.7
1969	29,896	6,501	19,100	17,595	4,297	21.7	63.9	14.4	41.8	51.2	40.4	39.6	35.8
1970	31,233	6,965	19,799	18,377	4,469	22.3	63.4	14.3	42.6	53.0	41.4	40.8	36.2
1971	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.8	41.4	40.8	35.7
1972	33,132	7,543	20,845	19,336	4,744	22.8	62.9	14.3	43.7	55.0	42.2	41.5	37.2
1973	34,195	7,838	21,487	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.8	42.2	36.7
1974	35,708	8,362	22,202	20,541	5,144	23.4	62.2	14.4	45.3	57.4	43.9	43.1	37.8
1975	36,981	8,599	23,037	21,360	5,345	23.2	62.3	14.5	46.0	57.0	45.1	44.4	37.7
1976	38,399	9,282	23,843	21,814	5,474	24.2	61.6	14.3	46.8	59.2	45.8	45.1	37.3
1977	40,053	9,702	24,429	22,681	5,922	24.2	61.0	14.8	48.0	59.2	47.2	46.6	39.0
1978	41,747	10,487	24,978	23,136	6,284	25.1	59.8	15.1	49.2	60.7	48.1	47.5	39.9
1979	43,844	11,304	26,073	24,223	6,467	25.8	59.5	14.6	50.8	62.9	49.9	49.3	40.0
1980	44,934	11,242	26,826	24,900	6,864	25.0	59.7	15.3	51.1	61.5	50.7	50.1	41.0
1981	46,415	11,628	27,536	25,460	7,251	25.0	59.3	15.6	52.0	62.3	51.7	51.0	41.9
1982	47,095	11,801	27,843	25,756	7,451	25.1	59.1	15.8	52.1	62.2	51.8	51.2	42.1
1983	47,779	12,282	28,140	26,227	7,357	25.7	58.9	15.4	52.3	62.8	52.3	51.8	41.2
1984	49,240	12,581	28,883	26,655	7,775	25.6	58.7	15.8	53.2	63.1	53.3	52.8	42.1
1985	50,891	12,925	29,755	27,716	8,211	25.4	58.5	16.1	54.5	65.2	54.7	54.2	42.8
1986	51,732	13,127	30,274	28,197	8,332	25.4	58.5	16.1	54.7	65.3	55.0	54.6	43.1
1987	52,960	13,454	31,282	29,159	8,224	25.4	59.1	15.5	55.4	65.1	56.1	55.8	42.9

[1] Includes married, spouse absent. [2] As of April.

Source: 1940–1955, U.S. Bureau of the Census, *Current Population Reports*, series P–50. Beginning 1960, U.S. Bureau of Labor Statistics, Bulletin 2096, and unpublished data.

Digitized by Google

NO. 624. MARRIED, SEPARATED, AND DIVORCED WOMEN—LABOR FORCE STATUS, BY PRESENCE AND AGE OF CHILDREN: 1960 TO 1987

[As of **March**. For 1960, civilian noninstitutional persons 14 years old and over, thereafter 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	TOTAL			NO CHILDREN UNDER 18			CHILDREN 6–17 ONLY			CHILDREN UNDER 6		
	Married[1]	Separated	Divorced	Married[1]	Separated	Divorced	Married[1]	Separated	Divorced	Married[1]	Separated	Divorced
IN LABOR FORCE (mil.)												
1960	12.3	(NA)	(NA)	5.7	(NA)	(NA)	4.1	(NA)	(NA)	2.5	(NA)	(NA)
1970	18.4	1.4	1.9	8.2	.7	1.1	6.3	.4	.6	3.9	.3	.3
1980	24.9	1.9	4.4	11.2	.9	2.3	8.4	.6	1.6	5.2	.4	.5
1982	25.6	2.1	5.2	11.6	1.0	2.7	8.3	.7	1.8	5.7	.5	.6
1983	26.2	1.9	5.2	12.1	.8	2.8	8.3	.6	1.8	5.9	.5	.6
1984	26.9	2.0	5.5	12.3	.9	3.0	8.3	.7	1.9	6.2	.4	.6
1985	27.7	2.0	5.9	12.6	1.0	3.3	8.5	.7	2.0	6.4	.4	.6
1986	28.2	2.1	6.2	12.9	1.0	3.5	8.8	.6	2.0	6.6	.5	.7
1987	29.2	2.1	6.1	13.2	1.0	3.4	9.0	.7	2.0	7.0	.4	.7
PARTICIPATION RATE[2]												
1960	30.5	(NA)	(NA)	34.7	(NA)	(NA)	39.0	(NA)	(NA)	18.6	(NA)	(NA)
1970	40.8	52.1	71.5	42.2	52.3	67.7	49.2	60.6	82.4	30.3	45.4	63.3
1980	50.1	59.4	74.5	46.0	58.9	71.4	61.7	66.3	82.3	45.1	52.2	66.3
1982	51.2	60.0	74.9	46.2	57.5	71.6	63.2	66.4	83.6	48.7	55.2	67.2
1983	51.6	58.7	74.6	46.6	55.6	71.7	63.8	66.7	82.2	49.9	53.6	66.7
1984	52.6	60.9	74.3	47.2	59.1	70.5	65.4	70.1	84.1	51.6	53.9	67.7
1985	54.2	61.3	75.0	48.2	60.0	72.1	67.8	70.9	83.4	53.4	53.2	67.5
1986	54.6	62.2	76.0	48.2	60.4	72.1	68.4	70.6	84.7	53.8	57.4	73.8
1987	55.6	61.4	75.4	48.4	57.9	71.9	70.6	72.6	84.5	56.8	55.1	70.5
EMPLOYMENT (mil.)												
1960	11.6	(NA)	(NA)	5.4	(NA)	(NA)	3.9	(NA)	(NA)	2.3	(NA)	(NA)
1970	17.5	1.3	1.8	7.9	.7	1.0	6.0	.4	.5	3.6	.3	.2
1980	23.6	1.7	4.2	10.7	.8	2.2	8.1	.6	1.5	4.8	.4	.5
1982	23.9	1.6	4.7	11.1	.8	2.5	7.7	.6	1.7	5.1	.4	.5
1983	24.3	1.5	4.7	11.4	.7	2.6	7.7	.5	1.5	5.2	.3	.5
1984	25.3	1.7	5.0	11.7	.8	2.8	7.9	.6	1.7	5.7	.3	.5
1985	26.1	1.8	5.4	12.2	.9	3.1	8.1	.6	1.8	5.9	.3	.5
1986	26.7	1.9	5.7	12.3	.9	3.3	8.3	.5	1.9	6.1	.4	.6
1987	27.8	1.9	5.7	12.7	.9	3.2	8.6	.6	1.9	6.5	.3	.3
UNEMPLOYMENT RATE[3]												
1960	5.4	(NA)	(NA)	4.8	(NA)	(NA)	4.9	(NA)	(NA)	7.6	(NA)	(NA)
1970	4.6	8.8	5.4	3.3	4.2	4.7	4.6	5.9	6.5	7.9	13.3	5.2
1980	5.3	9.9	6.4	4.5	6.3	4.5	4.4	10.6	6.7	6.3	12.3	13.6
1982	7.1	14.5	8.9	5.7	11.7	7.6	7.0	14.6	9.2	10.1	20.1	13.5
1983	7.2	19.1	10.2	5.7	13.8	7.1	6.7	20.0	12.8	10.9	27.8	16.8
1984	5.7	13.9	6.6	4.6	9.0	6.6	5.0	13.1	9.7	8.9	25.0	14.3
1985	5.7	13.7	7.7	4.7	9.0	6.2	5.5	14.6	9.0	8.0	22.9	12.1
1986	5.4	10.8	7.5	4.6	7.2	6.1	4.8	11.7	8.2	7.6	16.5	12.9
1987	4.5	11.6	6.6	3.5	6.1	5.9	4.9	14.8	6.1	5.9	15.7	13.8

NA Not available. [1] Husband present. [2] Percent of women in each specific category in the labor force.
[3] Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 13, 130, and 134, Bulletin 2163, and unpublished data.

NO. 625. LABOR FORCE PARTICIPATION RATES FOR WIVES, HUSBAND PRESENT, BY AGE OF OWN YOUNGEST CHILD: 1975 TO 1987

[As of **March**. For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

PRESENCE AND AGE OF CHILD	TOTAL				WHITE				BLACK			
	1975	1980	1985	1987	1975	1980	1985	1987	1975	1980	1985	1987
Wives, total	**44.5**	**50.2**	**54.3**	**55.8**	**43.7**	**49.3**	**53.4**	**54.9**	**54.3**	**59.3**	**64.2**	**65.6**
No children under 18	44.0	46.0	48.2	48.4	43.5	45.5	47.5	47.9	47.7	51.2	56.1	53.2
With children under 18	44.9	54.3	61.0	63.9	43.9	53.2	60.0	62.8	58.6	65.6	71.5	76.1
Under 6, total	36.8	45.3	53.7	56.9	35.0	43.5	52.3	55.5	56.4	63.4	69.3	74.2
Under 3	32.6	41.5	50.7	54.5	30.9	40.0	49.6	53.1	52.2	57.7	65.7	71.3
1 year or under	30.8	39.0	49.4	52.6	29.2	37.7	48.8	51.2	50.0	52.9	63.7	70.3
2 years	37.1	48.1	54.0	59.0	35.1	46.1	52.7	57.7	56.4	71.0	69.9	73.8
3 to 5 years	42.2	51.7	58.6	60.9	40.3	49.4	56.6	59.3	61.7	72.3	73.8	77.9
3 years	41.2	51.5	55.1	59.0	39.0	48.4	52.7	57.5	62.7	73.4	72.3	76.4
4 years	41.2	51.4	59.7	61.7	38.7	49.6	58.4	60.8	64.9	66.4	70.6	75.0
5 years	44.4	52.4	62.1	62.5	43.6	50.4	59.9	60.1	56.3	77.8	79.1	82.9
6 to 13 years	51.8	62.6	68.1	70.6	50.8	61.4	67.7	69.6	64.9	71.8	73.5	80.7
14 to 17 years	53.6	60.5	67.0	70.5	53.6	60.6	66.3	70.0	51.0	58.4	74.1	71.0

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, February 1986, and unpublished data.

Digitized by Google

No. 626. Civilian Employment in Occupations with the Largest Job Growth and in the Fastest Growing and Fastest Declining Occupations: 1986 and 2000

[In thousands, except percent. For occupations employing 100,000 or more in 1986. Includes wage and salary jobs, self-employed and unpaid family members. Estimates based on the 1983 through 1985 Occupational Employment Statistics Surveys. See source for methodological assumptions. Minus sign (–) denotes decrease]

Occupation	Employment				Percent change, 1986–2000		
	1986	2000 [1]			Low	Moderate	High
		Low	Moderate	High			
Total [2]	**111,623**	**126,432**	**133,030**	**137,533**	**13**	**19**	**23**
LARGEST JOB GROWTH [3]							
Salespersons, retail	3,579	4,563	4,780	4,871	28	34	36
Waiters and waitresses	1,702	2,360	2,454	2,503	39	44	47
Registered nurses	1,406	1,951	2,018	2,077	39	44	48
Janitors and cleaners [4]	2,676	3,144	3,260	3,382	17	23	26
General managers and top executives	2,383	2,820	2,965	3,052	18	24	28
Cashiers	2,165	2,616	2,740	2,796	21	27	29
Truck drivers, light and heavy	2,211	2,599	2,736	2,811	18	24	27
General office clerks	2,361	2,688	2,824	2,916	14	20	23
Food counter, fountain, and related workers	1,500	1,879	1,949	1,985	25	30	32
Nursing aides, orderlies, and attendants	1,224	1,584	1,658	1,691	29	35	38
Secretaries	3,234	3,470	3,658	3,789	7	13	17
Guards	794	1,104	1,177	1,241	39	48	56
Accountants and auditors	945	1,251	1,322	1,371	32	40	45
Computer programmers	479	758	813	850	58	70	78
Food preparation workers	949	1,227	1,273	1,300	29	34	37
Teachers, kindergarten and elementary	1,527	1,778	1,826	1,883	16	20	23
Receptionists and information clerks	682	913	964	997	34	41	46
Computer systems analysts, EDP	331	544	582	607	64	76	83
Cooks, restaurant	520	727	759	778	40	46	50
Licensed practical nurses	631	835	869	891	32	38	41
Gardeners and groundskeepers, except farm	767	964	1,005	1,033	26	31	35
Maintenance repairers, general utility	1,039	1,205	1,270	1,314	16	22	26
Stock clerks, sales floor	1,087	1,255	1,312	1,333	15	21	23
First line supervisors and managers	956	1,106	1,161	1,200	16	21	25
Dining room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
Electrical and electronics engineers	401	544	592	616	36	48	54
Lawyers	527	676	718	748	28	36	42
Cooks, short order and fast food	591	748	775	788	27	31	33
Carpenters	1,010	1,134	1,195	1,252	12	18	24
Bartenders	396	530	553	566	34	40	43
Financial managers	638	747	792	824	17	24	29
Food service and lodging managers	509	628	663	685	24	30	35
Teachers, secondary schools	1,128	1,246	1,280	1,320	10	13	17
Electrical and electronic technicians, technologists	313	428	459	473	37	46	51
Real estate sales agents	313	422	451	468	35	44	49
Computer operators, exc. peripheral equipment	263	364	387	403	39	47	53
Social workers	365	466	485	500	28	33	37
Medical assistants	132	239	251	258	81	90	96
Marketing, advertising, pub. relations managers	323	402	427	444	25	32	38
Legal assistants, tech., exc. clerical	170	258	272	282	51	60	66
FASTEST GROWING							
Medical assistants	132	239	251	258	81	90	96
Home health aides	136	236	249	258	71	80	87
Computer systems analysts, EDP	331	544	582	607	64	76	83
Computer programmers	479	758	813	850	58	70	78
Radiologic technologists and technicians	115	183	190	196	58	65	70
Legal assistants and technicians exc. clerical	170	258	272	282	51	60	66
Dental assistants	155	231	244	250	49	57	61
Guards	794	1,104	1,177	1,241	39	48	56
Electrical and electronics engineers	401	544	592	616	36	48	54
Computer operators, except peripheral equipment	263	364	387	403	39	47	53
Restaurant cooks	520	727	759	778	40	46	50
Dining room, cafeteria attendants, barroom helpers	433	607	631	644	40	46	49
FASTEST DECLINING							
Electrical and electronic assemblers	249	105	116	119	–58	–54	–52
Industrial truck and tractor operators	426	265	283	296	–38	–34	–31
Stenographers	179	123	126	133	–31	–29	–26
Farmers	1,182	810	850	871	–31	–28	–26
Textile draw-out and winding machine operators [5]	219	156	164	175	–28	–25	–20
Farm workers	940	705	750	779	–25	–20	–17
Data entry keyers, except composers	400	315	334	347	–21	–16	–13
Typists and word processors	1,002	820	862	892	–18	–14	–11
Sewing machine operators, garment	633	526	541	567	–17	–14	–10
Welding machine setters, operators, tenders	126	101	112	115	–20	–12	–9
Child care workers, private household	400	334	362	367	–16	–10	–8
TV and cable TV installers and repairers	119	102	106	115	–15	–9	–4

[1] Based on low, moderate, or high trend assumptions. [2] Includes other occupations, not shown separately. [3] Based on absolute employment change 1986 to 2000. [4] Includes maids and housekeepers. [5] Includes tenders.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987.

Digitized by Google

No. 627. Employed Persons, by Sex, Race, and Occupation: 1986

[For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Persons of Hispanic origin may be of any race]

Occupation	Total employed (1,000)	Percent of total		
		Female	Black	Hispanic
Total	**109,597**	**44.4**	**9.9**	**6.6**
Managerial and professional specialty	**26,554**	**43.4**	**6.0**	**3.5**
Executive, administrative, and managerial [1]	12,642	36.8	5.2	3.7
Officials and administrators, public	467	42.0	8.4	3.8
Financial managers	409	36.4	3.0	4.3
Personnel and labor relations managers	114	48.8	5.5	3.5
Purchasing managers	100	29.4	4.1	3.0
Managers, marketing, advertising and public relations	440	24.9	2.5	2.3
Administrators, education and related fields	500	47.7	6.9	3.5
Managers, medicine and health	127	62.2	8.1	2.7
Managers, properties and real estate	362	44.2	5.2	5.6
Management-related occupations	3,449	46.3	6.7	3.9
Accountants and auditors	1,257	44.9	5.6	4.0
Professional specialty [1]	13,911	49.4	6.7	3.3
Architects	132	9.7	3.2	4.1
Engineers [1]	1,749	6.0	3.7	2.5
Electrical and electronic	550	6.9	4.2	2.1
Mechanical	287	3.5	3.6	1.0
Mathematical and computer scientists	631	36.2	7.2	2.5
Computer systems analysts, scientists	385	34.4	6.6	2.4
Natural scientists	384	22.5	2.5	3.2
Health diagnosing occupations [1]	728	15.0	3.3	3.2
Physicians	489	17.6	3.3	4.1
Dentists	132	4.4	5.5	2.0
Health assessment and treating occupations [1]	2,026	85.3	7.0	2.8
Registered nurses	1,488	94.3	6.7	2.4
Therapists	257	74.2	7.8	4.4
Teachers, college and university	639	36.0	4.0	3.2
Teachers, except college and university [1]	3,559	73.4	9.5	3.6
Prekindergarten and kindergarten	359	98.3	13.9	6.1
Elementary school	1,340	85.2	10.8	3.4
Secondary school	1,195	54.9	7.8	3.4
Counselors, educational and vocational	173	53.9	12.9	4.7
Librarians, archivists, and curators	212	82.9	7.4	1.8
Librarians	194	85.9	7.5	1.7
Social scientists and urban planners	312	46.0	5.5	2.8
Psychologists	185	52.5	6.8	3.1
Social, recreation, and religious workers	911	46.9	12.5	5.3
Social workers	480	65.0	17.8	7.3
Lawyers and judges	650	18.1	3.0	1.9
Writers, artists, entertainers, and athletes	1,781	45.0	5.2	4.0
Technical, sales, and administrative support	**34,354**	**64.7**	**8.5**	**6.3**
Technicians and related support	3,364	47.0	8.2	4.0
Health technologists and technicians	1,124	84.1	12.4	3.7
Licensed practical nurses	417	97.5	17.2	2.9
Engineering and related technologists and technicians	937	17.7	6.3	5.3
Electrical and electronic technicians	328	12.6	7.0	4.5
Science technicians	208	27.9	7.0	4.2
Technicians, except health, engineering, and science	1,095	37.6	5.8	3.1
Computer programmers	549	34.0	5.9	2.2
Sales occupations	13,245	48.2	5.7	4.9
Supervisors and proprietors	3,493	30.5	4.0	4.4
Sales representatives, finance and business services [1]	2,255	41.5	3.9	3.4
Insurance sales	562	28.7	5.8	3.9
Real estate sales	737	50.6	2.1	3.3
Securities and financial services sales	283	24.5	3.1	2.6
Sales representatives, commodities, except retail	1,505	18.3	2.2	3.4
Sales workers, retail and personal services	5,927	66.6	8.2	6.1
Cashiers	2,310	82.9	12.3	6.6
Sales-related occupations	65	64.6	4.6	2.4
Administrative support, including clerical	17,745	80.4	10.7	5.8
Supervisors	727	59.3	10.8	5.1
Computer equipment operators	659	68.5	14.0	6.1
Computer operators	353	68.6	14.0	6.0
Secretaries, stenographers, and typists [1]	4,940	98.2	8.5	5.1
Secretaries	4,023	99.0	6.9	4.8
Typists	870	95.2	16.3	6.5
Information clerks	1,326	89.7	8.4	6.7
Receptionists	724	97.1	7.4	6.7
Records processing occupations, except financial	845	81.4	14.4	7.0
File clerks	311	84.5	17.6	9.6
Financial records processing	2,473	90.8	5.4	4.1
Bookkeepers, accounting, and auditing clerks	2,007	91.8	4.1	3.6

See footnotes at end of table.

Digitized by Google

NO. 627. EMPLOYED PERSONS, BY SEX, RACE, AND OCCUPATION: 1986—Continued

[See headnote, page 376]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Technical, sales, and administrative support—Con.				
Administrative support, including clerical—Con.				
Duplicating, mail and other office machine operators	77	61.9	16.9	7.2
Communications equipment operators	230	87.4	17.5	5.5
Telephone operators	220	87.9	17.4	5.6
Mail and message distributing occupations	903	34.4	20.3	6.2
Postal clerks, except mail carriers	299	43.5	29.6	7.1
Material recording, scheduling, and distributing clerks	1,639	39.5	11.8	8.1
Adjusters and investigators	624	72.3	11.1	5.7
Miscellaneous administrative support [1]	2,902	84.9	13.4	6.5
General office clerks	740	80.5	13.0	6.1
Bank tellers	482	91.8	7.8	5.3
Data entry keyers	343	91.1	19.6	8.1
Teachers' aides	381	94.2	17.9	10.8
Service occupations	14,680	60.7	16.9	9.8
Private household [1]	981	96.0	23.9	12.9
Child care workers	400	97.4	8.3	6.1
Cleaners and servants	527	95.3	35.5	17.6
Protective service [1]	1,787	12.4	15.0	5.6
Firefighting and fire prevention	216	2.2	7.3	4.5
Police and detectives	666	10.9	14.6	5.2
Guards	741	16.4	19.0	6.4
Service except private household and protective	11,913	65.0	16.6	9.0
Food preparation and service occupations [1]	5,127	62.6	12.1	6.6
Bartenders	322	48.8	3.1	5.2
Waiters and waitresses	1,403	85.1	5.1	6.2
Cooks, except short order	1,563	50.6	17.2	9.6
Short-order cooks	111	36.8	22.6	6.1
Food counter, fountain, and related occupations	340	78.5	12.6	5.3
Kitchen workers, food preparation	126	78.3	16.2	11.1
Waiters' and waitresses' assistants	332	39.2	15.1	14.8
Health service occupations	1,823	89.9	25.1	5.7
Dental assistants	167	99.0	4.2	7.1
Health aides, except nursing	357	83.4	16.6	7.8
Nursing aides, orderlies, and attendants	1,299	90.5	29.5	5.0
Cleaning and building service occupations [1]	2,861	41.5	23.6	12.8
Maids and housemen	583	84.6	29.6	13.9
Janitors and cleaners	2,075	30.9	22.9	12.7
Personal service occupations [1]	2,101	80.0	10.3	7.2
Barbers	92	16.6	9.6	7.2
Hairdressers and cosmetologists	719	88.6	7.3	7.3
Attendants, amusement and recreation facilities	121	43.1	8.3	3.8
Public transportation attendants	71	77.1	7.3	6.2
Welfare service aides	67	91.7	22.5	12.9
Child care workers, except private household	762	96.5	11.4	6.9
Precision production, craft, and repair	13,405	8.8	7.5	7.7
Mechanics and repairers	4,374	3.5	7.3	6.9
Mechanics and repairers, except supervisors [1]	4,127	3.2	7.4	7.1
Vehicle and mobile equipment mechanics and repairers	1,787	1.0	6.7	7.6
Automobile mechanics	871	1.0	7.6	8.4
Electrical and electronic equipment repairers	710	9.0	7.9	6.0
Telephone installers and repairers	226	13.3	8.1	6.0
Construction trades	4,924	2.0	7.1	7.4
Construction trades, except supervisors	4,309	2.1	7.6	7.9
Carpenters	1,327	1.4	5.3	6.7
Extractive occupations	171	2.4	3.7	11.0
Precision production occupations	3,936	22.6	8.5	8.6
Operators, fabricators, and laborers	17,160	25.4	16.1	10.5
Machine operators, assemblers, and inspectors [1]	7,911	40.3	14.7	12.1
Textile, apparel, and furnishings machine operators [1]	1,323	70.8	21.4	15.9
Textile sewing machine operators	737	90.6	17.1	21.0
Pressing machine operators	136	71.9	33.7	13.2
Fabricators, assemblers, and hand working occupations	1,849	32.4	12.7	10.8
Production inspectors, testers, samplers, and weighers	817	49.6	13.6	9.5
Transportation and material moving occupations	4,564	8.9	14.0	7.5
Motor vehicle operators	3,380	10.8	14.8	7.4
Trucks, heavy and light	2,452	4.3	13.3	7.7
Transportation occupations, except motor vehicles	203	2.1	3.9	4.3
Material moving equipment operators	981	3.6	13.6	8.7
Industrial truck and tractor operators	386	5.0	19.4	11.1
Handlers, equipment cleaners, helpers, and laborers [1]	4,685	16.3	16.6	10.5
Freight, stock, and material handlers	1,713	15.6	17.0	6.2
Laborers, except construction	1,126	17.7	16.0	9.6
Farming, forestry, and fishing	3,444	15.9	6.5	10.5
Farm operators and managers	1,337	14.1	1.4	1.1
Other agricultural and related occupations	1,917	18.1	9.7	17.4
Farm workers	940	23.6	8.6	21.1
Forestry and logging occupations	112	4.4	16.6	3.5
Fishers, hunters, and trappers	77	9.0	(Z)	11.7

Z Less than .05 percent. [1] Includes other occupations, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1987.

Digitized by Google

No. 628. Employed Civilians by Occupational Group, Sex, Race, and Educational Attainment: 1987

[As of March. For civilian noninstitutional population 25 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

Sex, race, and years of school completed	Total employed	Managerial/professional	Tech./sales/administrative	Service [1]	Precision production [2]	Operators fabricators [3]	Farming, forestry, fishing
NUMBER (1,000)							
Male, total:							
Less than 4 years of high school	8,306	476	703	943	2,350	3,050	783
4 years of high school only	18,551	2,120	3,453	1,784	5,534	4,801	860
1 to 3 years of college	9,539	2,352	2,810	937	1,905	1,277	259
4 years of college or more	14,166	9,470	3,058	437	627	403	171
White:							
Less than 4 years of high school	6,975	431	610	701	2,088	2,453	690
4 years of high school only	16,367	1,980	3,108	1,388	5,098	4,010	784
1 to 3 years of college	8,417	2,164	2,491	746	1,732	1,043	241
4 years of college or more	12,875	8,717	2,767	366	542	320	163
Black:							
Less than 4 years of high school	1,154	26	86	193	233	536	80
4 years of high school only	1,823	107	273	325	356	712	51
1 to 3 years of college	822	137	213	144	122	196	9
4 years of college or more	625	354	135	46	45	41	4
Female, total:							
Less than 4 years of high school	4,932	245	1,033	1,973	228	1,327	128
4 years of high school only	17,538	2,190	9,392	3,361	542	1,876	188
1 to 3 years of college	8,344	2,345	4,569	919	136	311	65
4 years of college or more	9,315	6,392	2,357	331	87	119	29
White:							
Less than 4 years of high school	3,804	223	906	1,337	189	1,038	111
4 years of high school only	15,279	2,022	8,497	2,675	441	1,469	175
1 to 3 years of college	7,098	2,075	3,865	752	109	234	64
4 years of college or more	8,097	5,639	1,998	267	78	85	28
Black:							
Less than 4 years of high school	948	13	113	568	24	219	11
4 years of high school only	1,866	130	768	577	59	348	4
1 to 3 years of college	992	200	574	127	21	69	1
4 years of college or more	716	484	184	31	8	11	–
PERCENT DISTRIBUTION							
Male, total:							
Less than 4 years of high school	100.0	5.7	8.5	11.4	28.3	36.7	9.4
4 years of high school only	100.0	11.4	18.6	9.6	29.8	25.9	4.6
1 to 3 years of college	100.0	24.7	29.5	9.8	20.0	13.4	2.7
4 years of college or more	100.0	66.9	21.6	3.1	4.4	2.8	1.2
White:							
Less than 4 years of high school	100.0	6.2	8.7	10.1	29.9	35.2	9.9
4 years of high school only	100.0	12.1	19.0	8.5	31.1	24.5	4.8
1 to 3 years of college	100.0	25.7	29.6	8.9	20.5	12.4	2.9
4 years of college or more	100.0	67.7	21.5	2.8	4.2	2.5	1.3
Black:							
Less than 4 years of high school	100.0	2.2	7.4	16.7	20.2	46.5	6.9
4 years of high school only	100.0	5.9	15.0	17.8	19.5	39.0	2.8
1 to 3 years of college	100.0	16.7	25.9	17.5	14.9	23.9	1.1
4 years of college or more	100.0	56.6	21.6	7.4	7.2	6.6	.6
Female, total:							
Less than 4 years of high school	100.0	5.0	20.9	40.0	4.6	26.9	2.6
4 years of high school only	100.0	12.5	53.5	19.2	3.0	10.7	1.1
1 to 3 years of college	100.0	28.1	54.8	11.0	1.6	3.7	.8
4 years of college or more	100.0	68.6	25.3	3.6	.9	1.3	.3
White:							
Less than 4 years of high school	100.0	5.9	23.8	35.1	5.0	27.3	2.9
4 years of high school only	100.0	13.2	55.6	17.5	2.9	9.6	1.1
1 to 3 years of college	100.0	29.2	54.4	10.6	1.5	3.3	.9
4 years of college or more	100.0	69.7	24.7	3.3	1.0	1.1	.3
Black:							
Less than 4 years of high school	100.0	1.4	11.9	59.9	2.5	23.1	1.2
4 years of high school only	100.0	6.9	40.7	30.6	3.1	18.5	.2
1 to 3 years of college	100.0	20.2	57.9	12.8	2.1	7.0	.1
4 years of college or more	100.0	67.6	25.7	4.3	.8	1.5	–

– Represents zero. [1] Includes private household workers. [2] Includes craft and repair. [3] Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

Digitized by Google

No. 629. Occupations of Employed Civilians, by Sex and Educational Attainment: 1987

[As of **March**. For civilian noninstitutional population 25 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

Years of school completed	Total [1]		Managerial/ professional		Technical/ sales/ administrative		Service [2]		Precision production [3]		Operators/ fabricators [4]	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Number (1,000)												
Total	**50,562**	**40,130**	**14,419**	**11,171**	**10,022**	**17,350**	**4,102**	**6,582**	**10,415**	**983**	**9,530**	**3,633**
Less than 4 years of high school	8,306	4,932	476	245	703	1,033	943	1,973	2,350	228	3,050	1,327
4 years of high school only	18,551	17,538	2,120	2,190	3,453	9,392	1,784	3,361	5,534	532	4,801	1,876
1 to 3 years of college	9,539	8,344	2,352	2,345	2,810	4,569	937	919	1,905	136	1,277	311
4 years of college or more	14,166	9,315	9,470	6,392	3,058	2,357	437	331	627	87	403	119
Percent distribution												
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than 4 years of high school	16.4	12.3	3.3	2.2	7.0	6.0	23.0	30.0	22.6	23.2	32.0	36.5
4 years of high school only	36.7	43.7	14.7	19.6	34.4	54.1	43.5	51.0	53.1	54.1	50.4	51.6
1 to 3 years of college	18.7	20.8	16.3	21.0	28.0	26.3	22.6	14.0	18.3	13.8	13.4	6.6
4 years of college or more	28.0	23.2	65.7	57.2	30.5	13.6	10.7	5.0	6.0	8.9	4.2	3.3

[1] Includes other occupations not shown separately. [2] Includes private household workers. [3] Includes craft and repair. [4] Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 630. Employment, by Industry, 1970 to 1986, and by Selected Characteristics, 1986

[**In thousands, except percent.** For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Data from 1984 forward not strictly comparable with earlier years due to changes in industrial classification]

Industry	1970	1975	1980	1984	1985	1986			
						Total	Percent		
							Female	Black	Hispanic [1]
Total employed	**78,678**	**85,846**	**99,303**	**105,005**	**107,150**	**109,597**	**44.4**	**9.9**	**6.6**
Agriculture	3,463	3,408	3,364	3,321	3,179	3,163	20.6	4.9	10.4
Mining	516	752	979	957	939	880	16.3	3.7	6.9
Construction	4,616	5,093	6,215	6,665	6,967	7,288	8.6	6.6	7.2
Manufacturing	20,746	19,457	21,942	20,995	20,879	20,962	32.1	10.1	7.9
Transportation, communication, and other public utilities	5,320	5,692	6,525	7,358	7,548	7,650	27.4	13.1	5.6
Wholesale and retail trade	15,008	17,713	20,191	21,979	22,296	22,813	47.4	7.6	6.7
Wholesale trade	2,672	3,382	3,920	4,212	4,341	4,416	28.6	6.1	6.4
Retail trade	12,336	14,331	16,270	17,767	17,955	18,397	52.0	6.2	6.6
Finance, insurance, real estate	3,945	4,735	5,993	6,750	7,005	7,401	59.2	7.6	5.2
Banking and other finances	1,697	1,951	2,568	3,032	3,135	3,263	64.9	7.6	5.0
Insurance and real estate	2,248	2,783	3,425	3,720	3,870	4,137	54.7	7.7	5.4
Services [2]	20,385	24,174	28,752	32,214	33,322	34,337	61.6	11.5	5.9
Business services [3]	1,403	1,695	2,361	3,629	3,999	4,306	49.3	10.9	6.2
Advertising	147	154	191	244	263	270	54.1	4.1	4.9
Services to dwellings and buildings	(NA)	274	370	571	571	601	44.3	18.8	14.2
Personnel supply services	(NA)	125	235	467	590	618	75.1	20.6	5.7
Business management/consulting	(NA)	194	307	372	395	446	50.7	6.0	2.1
Computer and data processing	(NA)	108	221	456	549	610	41.6	5.1	2.2
Detective/protective services	(NA)	172	213	311	316	335	19.7	16.4	7.9
Automobile services	600	711	952	1,186	1,322	1,280	11.6	7.4	11.0
Personal services [3]	4,276	3,772	3,839	4,174	4,352	4,472	73.0	15.3	9.6
Private households	1,782	1,392	1,257	1,243	1,254	1,241	95.2	23.5	12.0
Hotels and lodging places	979	996	1,149	1,347	1,451	1,523	66.2	14.2	11.0
Entertainment and recreation	717	865	1,047	1,260	1,278	1,292	40.8	9.3	5.4
Professional and related services [3]	12,904	16,573	19,853	21,174	21,563	22,174	67.4	11.4	4.8
Hospitals	2,843	3,441	4,036	4,288	4,269	4,368	76.5	15.8	5.3
Health services	1,628	2,505	3,345	3,646	3,641	3,761	77.1	11.1	4.4
Elementary, secondary schools	6,126	5,077	5,550	5,347	5,431	5,510	71.9	12.0	4.9
Colleges and universities		1,852	2,108	2,209	2,281	2,342	51.0	9.6	4.1
Social services	828	1,247	1,590	1,595	1,682	1,805	77.8	16.6	6.5
Legal services	429	541	776	938	995	1,034	55.6	4.4	3.9
Public administration [3]	4,476	4,824	5,342	4,766	4,995	5,104	41.4	14.3	5.1

NA Not available. [1] Hispanic persons may be of any race. [2] Includes industries not shown separately. [3] Includes workers involved in uniquely governmental activities, e.g., judicial and legislative.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Digitized by Google

NO. 631. EMPLOYMENT BY SELECTED INDUSTRY, 1970 TO 1986, AND PROJECTIONS, 2000

[**In thousands, except percent.** Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 5, 8) are included in agriculture, not services. See source for details]

SIC [1] code	INDUSTRY	EMPLOYMENT				ANNUAL AVERAGE RATE OF CHANGE		
		1970	1980	1986	2000 [2]	1970-1980	1980-1986	1986-2000 [2]
(x)	**Total**	**81,864**	**102,019**	**111,623**	**133,029**	**2.3**	**1.5**	**1.3**
(x)	Nonfarm wage and salary	70,725	90,043	99,044	119,156	2.4	1.6	1.3
(x)	Goods-producing (excluding agriculture)	23,578	25,659	24,681	24,678	.8	-.6	-
10-14	Mining	623	1,027	783	724	5.1	-4.4	-.6
15-17	Construction	3,588	4,346	4,904	5,794	1.9	2.0	1.2
20-39	Manufacturing	19,367	20,286	18,994	18,160	.5	-1.1	-.3
24, 25, 32-39	Durable	11,210	12,188	11,244	10,731	.8	-1.3	-.3
24	Lumber and wood products	646	691	711	693	.7	.5	-.2
25	Furniture and fixtures	440	465	497	563	.6	1.1	.9
32	Stone, clay, and glass products	644	662	586	535	.3	-2.0	-.6
33	Primary metal industries	1,260	1,142	753	574	-1.0	-6.7	-1.9
331	Blast furnaces and basic steel products	627	512	275	202	-2.0	-9.8	-2.2
34	Fabricated metal products	1,560	1,613	1,433	1,313	.3	-2.0	-.6
35	Machinery, except electrical	1,984	2,494	2,059	2,129	2.3	-3.1	.2
3573	Electronic computing equipment	194	354	418	503	6.2	2.8	1.3
36	Electrical and electronic equipment [3]	1,671	2,091	2,124	2,128	1.1	.3	-
3662	Radio and TV communication equipment	362	378	505	542	.4	4.9	.5
3674	Semiconductors and related devices	(NA)	223	268	289	(NA)	3.1	.5
37	Transportation equipment	1,852	1,900	2,016	1,697	.3	1.0	-1.2
371	Motor vehicles	799	788	865	749	-.1	1.6	-1.0
38	Instruments and related products	527	712	707	771	3.1	-.1	.6
39	Miscellaneous manufacturing	426	416	362	329	-.2	-2.4	-.7
20-23, 26-31	Nondurable	8,157	8,098	7,750	7,429	-.1	-.7	-.3
20	Food and kindred products	1,786	1,708	1,617	1,456	-.4	-.9	-.7
21	Tobacco manufactures	83	69	59	46	-1.8	-2.6	-1.8
22	Textile mill products	974	847	706	607	-1.4	-3.0	-1.1
23	Apparel and other textile products	1,364	1,264	1,105	924	-.8	-2.2	-1.3
26	Paper and allied products	705	693	675	655	-.2	-.4	-.2
27	Printing and publishing	1,104	1,252	1,458	1,706	1.3	2.6	1.1
28	Chemicals and allied products	1,049	1,107	1,023	950	.5	-1.3	-.5
29	Petroleum and coal products	192	198	169	127	.3	-2.6	-2.0
30	Rubber and miscellaneous plastics products	580	727	789	861	2.3	1.4	.6
31	Leather and leather products	320	233	152	98	-3.1	-6.9	-3.1
(x)	Service-producing	47,147	64,384	74,363	94,478	3.2	2.4	1.7
40-42, 44-49	Transportation and public utilities	4,517	5,146	5,244	5,719	1.3	.3	.6
40-42, 44-47	Transportation	2,696	2,962	3,041	3,500	.9	.4	1.0
48	Communications	1,130	1,357	1,279	1,222	1.8	-1.0	-.3
49	Public utilities	691	827	924	998	1.8	1.9	.6
50-51	Wholesale trade	3,993	5,275	5,735	7,266	2.8	1.4	1.7
52-59	Retail trade	11,048	15,035	17,845	22,702	3.1	2.9	1.7
58	Eating and drinking places	2,575	4,626	5,879	8,365	6.0	4.1	2.6
60-67	Finance, insurance, and real estate	3,646	5,159	6,297	7,917	3.5	3.4	1.7
70-86, 89	Services [4]	11,390	17,528	22,531	32,545	4.4	4.3	2.7
70	Hotels and other lodging places	(NA)	1,076	1,401	1,971	(NA)	4.5	2.5
72	Personal services	989	901	1,104	1,357	-.9	3.4	1.5
73	Business services [3]	1,676	3,092	4,781	6,121	6.3	7.5	3.9
734	Services to dwellings and other buildings	295	495	681	1,020	5.3	5.5	2.9
736	Personnel supply services	(NA)	563	1,017	1,851	(NA)	10.4	4.4
737	Computer and data processing services	(NA)	304	591	1,203	(NA)	11.7	5.2
7391, 2, 7	Research, management, and consulting services	(NA)	539	788	1,301	(NA)	6.5	3.6
79	Amusement and recreation services	468	764	915	1,204	5.0	3.1	2.0
80	Health services	[5] 3,053	5,278	6,551	9,774	5.6	3.7	2.9
801-4	Offices of health practitioners	(NA)	1,211	1,672	3,081	(NA)	5.5	4.4
805	Nursing and personal care facilities	(NA)	997	1,250	2,097	(NA)	3.8	3.8
806	Hospitals, private	1,863	2,750	3,038	3,513	4.0	1.7	1.0
807-9	Outpatient facilities and health services, n.e.c [6]	(NA)	320	591	1,103	(NA)	10.7	4.6
81	Legal services	236	498	748	1,267	7.8	7.0	3.8
82	Educational services	940	1,138	1,428	1,620	1.9	3.9	.9
83, 4, 6, 9	Social, membership, and miscellaneous services	(NA)	3,704	4,296	5,569	(NA)	2.5	1.9
(x)	Government	12,553	16,241	16,711	18,329	2.6	.5	.7
(x)	Federal government	2,731	2,866	2,899	3,000	.5	.2	.2
(x)	State and local government	9,822	13,375	13,812	15,329	3.1	.5	.7
01, 2, 7, 8, 9	Agriculture	3,508	3,426	3,252	2,917	-.2	-.8	-.8
88	Private households	1,794	1,256	1,241	1,215	-3.5	-.2	-.1
(x)	Nonfarm self-employed and unpaid family workers	5,639	7,294	8,086	9,741	2.6	1.7	1.3

- Represents or rounds to zero. NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] Projections based on assumptions of moderate growth; see source for details.
[3] Includes other industries, not shown separately. [4] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, September 1987.

Digitized by Google

No. 632. Unemployed Workers—Summary: 1972 to 1986

(In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. For data on unemployment insurance, see table 581. See also *Historical Statistics, Colonial Times to 1970*, series D 87–101)

ITEM AND CHARACTERISTIC	1972	1975	1980	1981	1982	1983	1984	1985	1986
UNEMPLOYED									
Total [1]	**4,882**	**7,929**	**7,637**	**8,273**	**10,678**	**10,717**	**8,539**	**8,312**	**8,237**
Labor force time lost [2] (percent)	5.9	9.1	7.9	8.5	11.0	10.9	8.6	8.1	7.9
16–19 years old	1,308	1,767	1,669	1,763	1,977	1,829	1,499	1,468	1,454
20–24 years old	1,132	1,865	1,835	1,976	2,392	2,330	1,838	1,738	1,651
25–44 years old	1,454	2,727	2,964	3,276	4,589	4,728	3,709	3,681	3,761
45–64 years old	878	1,413	1,075	1,159	1,613	1,716	1,394	1,331	1,279
65 years and over	111	155	94	98	107	114	97	93	91
Male	2,659	4,442	4,267	4,577	6,179	6,260	4,744	4,521	4,530
16–19 years old	711	966	913	962	1,090	1,003	812	806	779
20–24 years old	626	1,081	1,076	1,144	1,407	1,369	1,023	944	899
25–44 years old	750	1,493	1,619	1,765	2,670	2,769	2,050	1,950	2,054
45–64 years old	499	801	605	651	943	1,046	806	766	741
65 years and over	73	103	58	55	69	73	55	55	58
Female	2,222	3,486	3,370	3,696	4,499	4,457	3,794	3,791	3,707
16–19 years old	598	802	755	800	886	825	687	661	675
20–24 years old	503	783	760	833	985	961	815	794	752
25–44 years old	706	1,235	1,345	1,511	1,919	1,958	1,659	1,732	1,708
45–64 years old	378	612	473	508	670	671	589	566	539
65 years and over	38	52	36	43	38	41	45	39	33
White	3,906	6,421	5,884	6,343	8,241	8,126	6,372	6,191	6,140
16–19 years old	1,021	1,413	1,291	1,374	1,534	1,387	1,116	1,074	1,070
20–24 years old	867	1,474	1,364	1,449	1,770	1,678	1,282	1,235	1,149
Black	906	1,369	1,553	1,731	2,142	2,272	1,914	1,864	1,840
16–19 years old	279	330	343	357	396	392	353	357	347
20–24 years old	226	362	426	483	565	591	504	455	453
Hispanic [3]	(NA)	508	620	678	929	961	800	811	857
Full-time workers	3,806	6,523	6,269	6,795	9,006	9,075	7,057	6,793	6,708
Part-time workers	1,077	1,408	1,369	1,477	1,672	1,642	1,481	1,519	1,529
UNEMPLOYMENT RATE (percent) [4]									
Total [1]	**5.6**	**8.5**	**7.1**	**7.6**	**9.7**	**9.6**	**7.5**	**7.2**	**7.0**
16–19 years old	16.2	19.9	17.8	19.6	23.2	22.4	18.9	18.6	18.3
20–24 years old	9.3	13.6	11.5	12.3	14.9	14.5	11.5	11.1	10.7
25–44 years old	4.1	6.9	6.0	6.3	8.6	8.5	6.4	6.2	6.1
45–64 years old	3.1	5.0	3.7	4.0	5.6	5.9	4.6	4.5	4.3
65 years and over	3.6	5.2	3.1	3.2	3.5	3.7	3.3	3.2	3.0
Male	5.0	7.9	6.9	7.4	9.9	9.9	7.4	7.0	6.9
16–19 years old	15.9	20.1	18.3	20.1	24.4	23.3	19.6	19.5	19.0
20–24 years old	9.3	14.3	12.5	13.2	16.4	15.9	11.9	11.4	11.0
25–44 years old	3.3	6.1	5.6	6.0	8.7	8.6	6.3	5.9	6.0
45–64 years old	2.6	4.6	3.5	3.8	5.6	6.2	4.8	4.5	4.4
65 years and over	3.6	5.4	3.1	2.9	3.7	3.9	3.0	3.1	3.2
Female	6.6	9.3	7.4	7.9	9.4	9.2	7.6	7.4	7.1
16–19 years old	16.7	19.7	17.2	19.0	21.9	21.3	18.0	17.6	17.6
20–24 years old	9.4	12.7	10.4	11.2	13.2	12.9	10.9	10.7	10.3
25–44 years old	5.6	8.1	6.4	6.9	8.3	8.2	6.6	6.6	6.2
45–64 years old	3.5	5.6	4.0	4.3	5.6	5.6	4.9	4.6	4.2
65 years and over	3.5	5.0	3.1	3.6	3.2	3.4	3.8	3.3	2.8
White	5.1	7.8	6.3	6.7	8.6	8.4	6.5	6.2	6.0
16–19 years old	14.2	17.9	15.5	17.3	20.4	19.3	16.0	15.7	15.6
20–24 years old	8.4	12.3	9.9	10.4	12.8	12.1	9.3	9.2	8.7
Black	10.4	14.8	14.3	15.6	18.9	19.5	15.9	15.1	14.5
16–19 years old	35.4	39.5	38.5	41.4	48.0	48.5	42.7	40.2	39.3
20–24 years old	16.3	24.5	23.6	26.4	30.5	31.4	26.1	24.5	24.1
Hispanic [3]	(NA)	12.2	10.1	10.4	13.8	13.7	10.7	10.5	10.6
Experienced workers [5]	5.3	8.2	6.9	7.3	9.3	9.2	7.1	6.8	6.6
Women maintaining families	7.2	10.0	9.2	10.4	11.7	12.2	10.3	10.4	9.8
White	5.8	8.5	7.3	8.1	9.4	9.1	7.8	8.1	7.7
Black	(NA)	(NA)	14.1	16.2	18.0	20.2	16.7	16.4	15.4
Married men, wife present [1]	2.8	5.1	4.2	4.3	6.5	6.5	4.6	4.3	4.4
White	2.6	4.6	3.9	4.0	6.0	6.0	4.3	4.0	4.0
Black	4.5	6.7	7.4	8.6	11.5	11.3	8.1	8.0	8.0
Percent without work for—									
Less than 5 weeks	45.9	37.1	43.1	41.7	36.4	33.3	39.2	42.1	41.9
5–10 weeks	22.5	22.2	23.4	22.4	21.7	19.4	20.6	22.2	22.6
11–14 weeks	7.6	9.1	9.0	8.3	9.4	8.0	8.1	8.0	8.4
15–26 weeks	12.3	16.4	13.8	13.6	16.0	15.4	12.9	12.3	12.7
27 weeks and over	11.6	15.2	10.7	14.0	16.6	23.9	19.1	15.4	14.4
Unemployment duration, average (weeks)	12.1	14.2	11.9	13.7	15.6	20.0	18.2	15.6	15.0

NA Not available. [1] Includes other races, not shown separately. [2] Aggregate hours lost by the unemployed and persons on part-time for economic reasons as a percent of potentially available labor force hours. [3] Hispanic persons may be of any race. [4] Unemployed as percent of civilian labor force in specified group. [5] Wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

Digitized by Google

NO. 633. UNEMPLOYED PERSONS, BY SEX AND REASON, 1970 TO 1986, AND BY DURATION, 1986

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX AND REASON UNEMPLOYED	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986			
											Total	Duration of unemployment (percent)		
												Less than 5 weeks	5 to 14 weeks	15 weeks and over
Male	**2,238**	**4,442**	**3,142**	**3,120**	**4,267**	**4,577**	**6,179**	**6,260**	**4,744**	**4,521**	**4,520**	**37.8**	**31.1**	**31.1**
Job losers	1,199	2,909	1,622	1,667	2,649	2,821	4,276	4,331	2,976	2,749	2,725	32.8	31.3	35.9
Job leavers	282	375	419	427	438	435	390	386	375	409	520	44.4	32.1	23.5
Reentrants	533	782	706	673	776	850	946	953	867	876	805	44.7	30.0	25.4
New entrants	224	377	394	352	405	472	565	589	526	487	480	47.6	31.2	21.2
Female	**1,855**	**3,486**	**3,061**	**3,018**	**3,370**	**3,696**	**4,499**	**4,457**	**3,794**	**3,791**	**3,707**	**46.8**	**30.9**	**22.3**
Job losers	614	1,478	964	966	1,297	1,446	1,990	1,926	1,445	1,390	1,308	37.1	32.5	30.4
Job leavers	267	452	455	453	454	488	450	444	449	468	494	49.8	31.3	19.0
Reentrants	696	1,110	1,151	1,139	1,151	1,252	1,436	1,459	1,317	1,380	1,355	51.7	30.1	18.2
New entrants	279	447	491	465	468	509	621	627	584	552	549	55.1	28.9	16.0

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and Bulletin 2096.

NO. 634. UNEMPLOYMENT RATE BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1970 TO 1987

[In percent. As of **March.** Civilian noninstitutional population 18 and over for 1970; 16 years old and over for 1975 and later years. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Male: Total [1]	3.7	9.0	7.5	6.3	5.8	6.8	8.1	10.3	11.9	8.6	7.8	7.8	7.4
High school: 1–3 years	5.6	14.7	13.4	12.1	11.5	12.8	15.0	19.4	21.4	17.6	16.2	15.3	15.4
4 years	3.4	9.1	7.2	5.9	5.5	6.9	8.8	11.3	13.6	9.4	8.3	8.6	7.8
College: 1–3 years	3.8	6.6	5.5	4.3	4.3	5.0	5.2	7.5	9.3	5.7	5.0	5.4	5.7
4 years or more	1.3	2.5	2.8	2.2	1.9	1.8	2.1	3.2	3.6	2.8	2.6	2.5	2.7
Female: Total [1]	4.9	9.5	8.5	7.0	6.6	6.7	7.6	8.9	9.7	7.7	7.4	7.2	6.8
High school: 1–3 years	7.4	15.9	14.3	12.9	12.7	13.3	15.0	16.0	19.6	16.2	15.5	15.5	14.0
4 years	4.6	9.1	7.8	6.6	6.1	6.4	7.4	9.2	9.7	7.6	7.7	7.6	6.8
College: 1–3 years	4.0	7.4	6.8	5.1	4.3	5.0	6.1	6.8	8.1	5.3	5.1	5.1	4.9
4 years or more	2.0	3.6	4.2	3.0	3.0	2.5	3.0	3.3	4.0	2.7	2.5	2.4	2.4
White: Total [1]	3.9	8.5	7.2	5.8	5.4	6.0	7.0	8.6	9.7	7.2	6.6	6.6	6.1
High school: 1–3 years	5.7	14.0	12.7	10.7	10.9	11.6	13.5	17.0	19.0	15.2	14.2	13.5	13.1
4 years	3.6	8.4	6.8	5.5	5.0	5.9	7.2	9.1	10.3	7.4	7.0	7.0	6.2
College: 1–3 years	3.7	6.6	5.5	4.1	3.8	4.4	4.4	5.8	7.0	5.1	4.2	4.5	4.5
4 years or more	1.5	2.8	3.2	2.3	2.1	1.9	2.3	2.9	3.4	2.5	2.3	2.3	2.3
Black: Total [1] [2]	6.7	14.8	13.0	13.2	12.6	13.4	15.8	18.9	21.0	17.1	15.8	15.0	14.5
High school: 1–3 years	9.5	22.0	20.0	21.8	19.6	20.5	24.7	24.1	29.5	27.1	24.7	24.7	23.2
4 years	7.2	15.2	14.4	12.7	12.8	13.1	16.4	20.7	22.8	18.3	16.2	16.1	14.3
College: 1–3 years	6.1	10.1	12.5	10.4	8.8	10.8	11.8	15.8	17.3	12.0	12.3	10.5	11.5
4 years or more	1.4	3.9	5.0	4.7	4.2	4.4	4.0	8.3	8.5	6.3	5.8	3.6	5.3
Hispanic origin: [3] Total [1]	(NA)	12.8	11.4	9.5	8.7	9.2	11.2	13.4	16.3	11.7	11.3	10.6	10.2
High school: 1–3 years	(NA)	18.4	17.2	14.0	14.6	14.3	17.0	21.8	23.9	18.4	15.7	17.1	14.8
4 years	(NA)	10.5	10.0	7.4	8.2	7.1	9.7	11.4	14.4	9.7	9.5	8.9	9.4
College: 1–3 years	(NA)	7.9	8.2	7.3	6.5	5.9	6.3	7.1	10.9	7.6	7.4	6.8	7.2
4 years or more	(NA)	3.6	5.0	7.3	3.6	3.7	2.8	4.9	6.8	3.6	3.1	3.2	2.6

NA Not available. [1] Includes persons reporting no school years completed and elementary completed. [2] For 1970 and 1975, data refer to Black and other workers. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, and unpublished data.

NO. 635. UNEMPLOYMENT RATE, BY INDUSTRY, 1975 TO 1986, AND BY SEX, 1980 AND 1986

[For civilian noninstitutional population 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures. Beginning 1983, data not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1975	1980	1982	1983	1984	1985	1986	MALE		FEMALE	
								1980	1986	1980	1986
All unemployed [1]	**8.5**	**7.1**	**9.7**	**9.6**	**7.5**	**7.2**	**7.0**	**6.9**	**6.9**	**7.4**	**7.2**
Industry: [2]											
Agriculture	10.3	11.0	14.7	16.0	13.5	13.2	12.5	9.7	12.0	15.1	14.5
Mining	4.1	6.4	13.4	17.0	10.0	9.5	13.5	6.8	14.6	4.5	7.5
Construction	16.0	14.1	20.0	18.4	14.3	13.1	13.1	14.7	13.4	8.8	9.8
Manufacturing	10.9	8.5	12.3	11.2	7.5	7.7	7.1	7.4	8.2	10.7	9.6
Transportation and public utilities	5.6	4.9	6.6	7.4	5.5	5.1	5.1	5.3	4.4	4.5	4.5
Wholesale and retail trade	8.7	7.4	10.0	10.0	8.0	7.6	7.6	8.6	8.7	8.3	8.5
Finance, insurance, and real estate	4.9	3.4	4.7	4.5	3.7	3.5	3.5	3.2	3.3	3.5	3.6
Service industries	7.1	5.9	7.6	7.9	6.6	6.2	6.1	6.2	6.5	5.7	5.9
Government	4.1	4.1	4.9	5.3	4.5	3.9	3.6	3.8	3.6	4.3	3.5

[1] Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately. [2] Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 636. Unemployment and Unemployment Rate by Occupation, 1983 to 1986, and by Sex, 1986

[**For civilian noninstitutional population 16 years old and over.** Beginning 1985, annual averages of monthly data; 1983 data estimated, see text, section 13. Rate represents unemployment as a percent of the labor force for each specified group. Based on Current Population Survey; see text, section 1, and Appendix III]

Occupation	Number (1,000)			Unemployment rate				
	1983	1985	1986	1983	1985	1986		
						Total	Male	Female
Total [1]	**10,717**	**8,312**	**8,237**	**9.6**	**7.2**	**7.0**	**6.9**	**7.1**
Managerial and professional specialty	795	645	653	3.3	2.4	2.4	2.2	2.7
Executive, administrative, and managerial	396	329	336	3.5	2.6	2.6	2.2	3.3
Professional specialty	399	316	317	3.0	2.3	2.2	2.1	2.3
Technical sales, and administrative support	2,116	1,694	1,700	6.3	4.9	4.7	3.8	5.2
Technicians and related support	152	110	114	4.7	3.3	3.3	3.4	3.1
Sales occupations	850	702	718	6.7	5.3	5.1	3.4	6.9
Administrative support, including clerical	1,114	882	868	6.4	4.9	4.7	4.7	4.8
Service occupations	1,697	1,386	1,381	10.9	8.8	8.6	8.4	8.8
Private household	79	69	69	7.4	6.4	6.5	5.6	6.6
Protective service	120	85	90	6.7	4.7	4.8	4.2	8.7
Service except private household and protective	1,498	1,233	1,223	11.8	9.5	9.3	9.9	9.0
Precision production, craft, and repair	1,466	1,038	1,038	10.8	7.2	7.2	7.0	9.2
Mechanics and repairs	344	225	226	7.8	4.8	4.9	4.9	5.7
Construction trades	709	531	522	14.2	10.1	9.8	9.5	14.1
Other precision production, craft, and repair	412	281	290	9.8	8.4	6.6	5.9	9.1
Operators, fabricators, and laborers	2,955	2,140	2,089	15.5	11.3	10.9	10.5	11.8
Machine operators, assemblers, inspectors	1,411	980	907	15.4	11.1	10.3	9.1	11.9
Transportation and material moving occupations	596	422	431	12.4	8.5	8.6	8.7	8.0
Handlers, equipment cleaners, helpers, laborers	948	739	752	18.6	14.3	13.8	13.9	13.3
Construction laborers	207	186	198	25.8	21.3	21.0	20.8	(B)
Farming, forestry, and fishing	407	315	293	9.9	8.3	7.8	7.5	9.7

B Base is less than 35,000. [1] Includes persons with no previous work experience and those whose last job was in the Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 637. Displaced Workers, by Division of Residence and Selected Characteristics: 1986

[**In thousands, except percent.** As of **January.** For the civilian noninstitutionalized population 16 years old and over. Refers to persons with tenure of 3 or more years who lost or left a job between January 1981 and January 1986 because of plant closings, moves, slack work, or the abolishment of their positions or shifts. Based on the Current Population Survey; see text, section 1 and Appendix III. For composition of divisions, see fig. I, inside front cover]

Characteristic	Total	New England	Mid. Atlantic	E. No. Central	W. No. Central	So. Atlantic	E. So. Central	W. So. Central	Mountain	Pacific
Total	**5,130**	**226**	**733**	**1,149**	**384**	**744**	**397**	**810**	**240**	**648**
	Percent distribution									
SEX										
Male	64.7	57.1	61.8	67.4	65.9	62.4	59.2	65.7	70.4	68.4
Female	35.3	42.9	38.2	32.6	34.1	37.8	40.8	34.3	29.6	31.8
REASON FOR JOB LOSS										
Plant [1] closed down or moved	54.8	63.3	58.3	50.5	53.8	59.7	56.2	51.0	51.3	54.2
Slack work	31.2	21.2	30.2	35.0	31.8	26.5	33.2	34.4	31.7	29.9
Position or shift abolished	14.0	15.5	11.5	14.4	14.3	13.8	10.6	14.8	17.1	15.9
INDUSTRY OF LOST JOB										
Construction	7.0	3.5	3.7	7.3	6.5	8.2	8.6	7.0	10.4	8.2
Manufacturing	50.5	62.4	58.4	56.2	46.6	48.9	49.6	46.1	27.5	44.6
Durable goods	33.3	36.3	37.1	43.3	31.3	23.8	25.4	30.3	17.1	35.8
Nondurable goods	17.3	26.1	21.4	12.9	15.4	25.1	24.2	15.7	10.4	8.8
Transportation, and public utilities	8.1	8.4	8.5	7.2	7.8	7.4	12.8	8.4	8.3	7.1
Wholesale and retail trade	13.8	9.7	10.0	14.3	18.0	12.9	12.3	13.1	16.3	17.6
Public administration	1.1	.9	1.4	1.0	2.1	.4	.8	.5	2.9	1.2
Finance and service	13.3	15.0	14.1	10.4	12.5	13.7	8.8	13.3	21.3	16.5
Other [2]	8.2	.4	4.0	3.6	8.5	8.3	6.8	11.6	13.3	4.8
EMPLOYMENT STATUS										
Employed	66.9	74.3	60.3	65.2	68.5	71.9	62.5	66.1	72.5	69.4
Unemployed	17.8	9.7	22.1	20.3	16.1	14.0	21.2	16.9	14.2	16.7
Not in the labor force	15.3	15.5	17.8	14.5	15.4	14.1	16.4	16.9	13.3	13.9

[1] Or company. [2] Includes unknown.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, June 1987.

Digitized by Google

No. 638. Total Unemployed and Insured Unemployed—States: 1980 to 1986

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey (CPS); see text, section 1, and Appendix III. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals]

Division and State	Total unemployed [1]										Insured unemployed			
	Number (1,000)					Percent [2]					Number (1,000)		Percent [3]	
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986	1985	1986	1985	1986
U.S	7,637	10,717	8,539	8,312	8,237	7.1	9.6	7.5	7.2	7.0	2,561	2,607	2.8	2.8
N. Eng.: ME	39	48	34	30	30	7.8	9.0	6.1	5.4	5.3	14.8	12.3	3.5	2.8
NH	22	27	22	21	16	4.7	5.4	4.3	3.9	2.8	4.3	3.8	1.0	.8
VT	16	18	14	13	14	6.4	6.9	5.2	4.8	4.7	8.3	5.3	3.1	2.5
MA	162	205	145	121	117	5.6	6.9	4.8	3.9	3.8	64.7	64.1	2.4	2.3
RI	34	40	26	25	21	7.2	8.3	5.3	4.9	4.0	14.7	13.0	3.6	3.1
CT	94	97	77	65	66	5.9	6.0	4.6	4.0	3.8	26.3	24.8	1.8	1.6
Mid. Atl.: NY	597	689	584	544	526	7.5	8.8	7.2	6.5	6.3	205.3	190.7	2.8	2.5
NJ	259	267	236	218	196	7.2	7.8	6.2	5.7	5.0	93.7	85.9	2.9	2.6
PA	425	651	498	442	386	7.8	11.8	9.1	8.0	6.8	175.8	164.5	4.0	3.7
E. No. Cent.: OH	426	622	480	455	426	8.4	12.2	9.4	8.9	8.1	122.4	118.0	3.0	2.8
IN	252	286	226	215	185	9.6	11.1	8.6	7.9	6.7	47.4	44.5	2.4	2.2
IL	458	640	512	513	461	8.3	11.4	9.1	9.0	8.1	144.6	143.9	3.2	3.2
MI	534	610	487	433	385	12.4	14.2	11.2	9.9	8.8	103.4	108.7	3.2	3.2
WI	167	254	175	171	169	7.2	10.4	7.3	7.2	7.0	64.8	59.0	3.5	3.1
W. No. Cent.: MN	125	178	141	133	118	5.9	8.2	6.3	6.0	5.3	45.6	44.6	2.6	2.5
IA	82	116	99	113	100	5.8	8.1	7.0	8.0	7.0	31.2	29.1	3.1	2.9
MO	167	233	171	159	154	7.2	9.9	7.2	6.4	6.1	48.4	51.4	2.5	2.6
ND	15	16	17	20	21	5.0	5.6	5.1	5.9	6.3	7.2	7.5	3.2	3.4
SD	16	16	15	16	16	4.9	5.4	4.3	5.1	4.7	4.4	3.2	1.5	1.5
NE	31	45	35	44	40	4.1	5.7	4.4	5.5	5.0	13.9	12.8	2.3	2.1
KS	53	72	63	62	67	4.5	6.1	5.2	5.0	5.4	22.4	24.5	2.5	2.8
So. Atl.: DE	22	24	19	17	14	7.7	8.1	6.2	5.3	4.3	4.5	5.7	1.6	2.0
MD	140	153	121	103	105	6.5	6.9	5.4	4.6	4.5	36.3	35.6	2.2	2.1
DC	24	38	29	27	25	7.3	11.7	9.0	8.4	7.7	8.2	8.5	2.1	2.1
VA	128	165	143	161	145	5.0	6.1	5.0	5.6	5.0	25.5	23.2	1.2	1.0
WV	74	139	115	100	88	9.4	18.0	15.0	13.0	11.8	25.8	23.6	4.7	4.3
NC	187	262	204	167	178	6.6	8.9	6.7	5.4	5.3	57.3	58.3	2.8	2.8
SC	96	148	105	107	100	6.9	10.0	7.1	6.8	6.2	34.1	27.6	2.8	2.3
GA	163	202	166	187	178	6.4	7.5	6.0	6.5	5.9	42.0	43.5	1.8	1.8
FL	251	421	325	319	320	5.9	8.6	6.3	6.0	5.7	56.6	59.0	1.4	1.4
E. So. Cent.: KY	133	196	160	161	156	8.0	11.7	9.3	9.5	9.3	36.2	37.2	3.2	3.2
TN	152	251	190	160	185	7.3	11.5	8.6	8.0	8.0	46.1	44.3	2.7	2.5
AL	147	241	200	160	185	8.8	13.7	11.1	8.9	9.8	42.5	42.7	3.3	3.2
MS	79	135	116	115	136	7.5	12.6	10.8	10.3	11.7	28.8	31.4	3.7	4.0
W. So. Cent.: AR	76	104	93	91	94	7.6	10.1	8.9	8.7	8.7	27.3	27.5	3.7	3.6
LA	121	225	195	229	261	6.7	11.8	10.0	11.5	13.1	66.0	61.1	4.3	5.4
OK	66	140	109	112	131	4.8	9.0	7.0	7.1	8.2	26.7	35.6	2.4	3.3
TX	352	609	469	564	726	5.2	8.0	5.9	7.0	8.9	94.2	163.7	1.5	2.8
Mt.: MT	23	35	30	31	33	6.1	8.8	7.4	7.7	8.1	10.2	10.1	4.0	4.0
ID	34	45	33	37	41	7.9	9.8	7.2	7.9	8.7	14.0	15.1	4.5	4.8
WY	9	22	16	18	22	4.0	8.4	6.3	7.1	9.0	4.6	7.6	2.4	3.9
CO	88	110	97	101	126	5.9	6.6	5.6	5.9	7.4	30.6	32.9	2.3	2.4
NM	42	62	47	57	62	7.5	10.1	7.5	8.8	9.2	13.0	16.5	2.9	3.5
AZ	83	125	71	96	110	6.7	9.1	5.0	6.5	6.9	20.7	24.7	1.8	2.0
UT	40	64	46	43	45	6.3	9.2	6.5	5.9	6.0	12.8	13.7	2.4	2.5
NV	27	48	39	41	32	6.2	9.8	7.8	8.0	6.0	11.5	12.0	2.8	2.8
Pac.: WA	157	230	194	171	179	7.9	11.2	9.5	8.1	8.2	66.8	64.7	4.5	4.4
OR	108	145	125	117	114	8.3	10.8	9.4	8.8	8.5	42.5	42.1	4.6	4.5
CA	790	1,192	981	931	892	6.8	9.7	7.8	7.2	6.7	389.3	391.7	3.7	3.6
AK	18	24	25	24	28	9.7	10.3	10.0	9.7	10.8	14.3	16.7	7.1	8.0
HI	21	30	27	27	24	4.9	6.5	5.6	5.6	4.8	9.9	8.6	2.5	2.1

[1] Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual; and unpublished data. [2] Total unemployment as percent of civilian labor force. [3] Insured unemployment as percent of average covered employment in the previous year.

Source: Except as noted, U.S. Employment and Training Administration, *Employment and Training Report of the Secretary*, annual.

No. 639. U.S. Employment Service Job Openings and Placements, and Index of Help-Wanted Advertising: 1970 to 1986

[In thousands, except as indicated. Openings and placements 1970–1983, for years ending Sept. 30; beginning 1985, for years ending June 30]

Item	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Job openings: [1] Received	6,130	7,889	9,477	8,122	7,548	6,150	6,494	[2] 5,144	7,529	6,950
Average per month	511	657	789	677	629	513	541	[2] 572	627	579
Nonagricultural placements [1]	4,604	4,374	6,349	5,810	3,509	2,804	3,012	[2] 2,297	3,270	(NA)
Index of help-wanted advertising in newspapers [3] (1967 = 100)	93	80	158	129	119	86	96	131	139	139

NA Not available. [1] As reported by State employment agencies. [2] Data for nine months from October 1, 1983 through June 30, 1984. [3] Source: The Conference Board, New York, NY, *The Statistical Bulletin*. Further reproduction prohibited without permission. Index based on number of advertisements in classified sections of 51 newspapers, each in a major employment area.

Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

Digitized by Google

No. 640. Nonagricultural Establishments—Employees, Hours, and Earnings, by Industry: 1960 to 1986

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self-employed, farmworkers, unpaid family workers, private household workers, and Armed Forces. Establishment data shown here conform to industry definitions in the 1972 Standard Industrial Classification Manual and are adjusted to March 1986 employment benchmarks; consequently, may not be comparable with previously published data. Based on the Current Employment Statistics Program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 127-141 and D 803, 878, 881, 884, and 890]

Item and year	Total	Nonagricultural establishments								Grouped industries	
		Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government	Goods-related [1]	Service-related and all other
EMPLOYEES (1,000)												
1960	54,189	712	2,926	16,796	4,004	3,143	8,248	2,629	7,378	8,353	20,434	33,755
1965	60,765	632	3,232	18,062	4,036	3,466	9,250	2,977	9,036	10,074	21,926	38,839
1970	70,880	623	3,588	19,367	4,515	3,993	11,047	3,645	11,548	12,554	23,578	47,302
1975	76,945	752	3,525	18,323	4,542	4,415	12,645	4,165	13,892	14,686	22,600	54,345
1980	90,406	1,027	4,346	20,285	5,146	5,275	15,035	5,160	17,890	16,241	25,658	64,748
1981	91,156	1,139	4,188	20,170	5,165	5,358	15,189	5,298	18,619	16,031	25,497	65,659
1982	89,566	1,128	3,905	18,781	5,082	5,278	15,179	5,341	19,036	15,837	23,813	65,752
1983	90,200	952	3,948	18,434	4,954	5,266	15,613	5,468	19,694	15,870	23,334	66,866
1984	94,496	966	4,383	19,378	5,159	5,555	16,545	5,689	20,797	16,024	24,727	69,769
1985	97,519	927	4,673	19,260	5,238	5,717	17,356	5,955	22,000	16,394	24,859	72,660
1986	99,610	783	4,904	18,994	5,244	5,735	17,845	6,297	23,099	16,711	24,681	74,930
PERCENT DISTRIBUTION												
1960	100.0	1.3	5.4	31.0	7.4	5.8	15.2	4.9	13.6	15.4	37.7	62.3
1965	100.0	1.0	5.3	29.7	6.7	5.7	15.2	4.9	14.9	16.6	36.1	63.9
1970	100.0	.9	5.1	27.3	6.4	5.6	15.6	5.1	16.3	17.7	33.3	66.7
1975	100.0	1.0	4.6	23.8	5.9	5.7	16.4	5.4	18.0	19.1	29.4	70.6
1980	100.0	1.1	4.8	22.4	5.7	5.8	16.6	5.7	19.8	18.0	28.4	71.6
1981	100.0	1.3	4.6	22.1	5.7	5.9	16.7	5.8	20.4	17.4	28.0	72.0
1982	100.0	1.3	4.4	21.0	5.7	5.9	16.9	6.0	21.3	17.7	26.6	73.4
1983	100.0	1.1	4.4	20.4	5.5	5.8	17.3	6.1	21.8	17.6	25.9	74.1
1984	100.0	1.0	4.6	20.5	5.5	5.9	17.5	6.0	22.0	17.0	26.2	73.8
1985	100.0	1.0	4.8	19.7	5.4	5.9	17.8	6.1	22.6	16.8	25.5	74.5
1986	100.0	.8	4.9	19.1	5.3	5.8	17.9	6.3	23.2	16.8	24.8	75.2
AVERAGE WEEKLY HOURS [2]												
1960	38.6	40.4	36.7	39.7	(NA)	40.5	38.0	37.2	(NA)			
1965	38.8	42.3	37.4	41.2	41.3	40.8	36.6	37.2	35.9			
1970	37.1	42.7	37.3	39.8	40.5	39.9	33.8	36.7	34.4			
1975	36.1	41.9	36.4	39.5	39.7	38.7	32.4	36.5	33.5			
1980	35.3	43.3	37.0	39.7	39.6	38.5	30.2	36.2	32.8			
1981	35.2	43.7	36.9	39.8	39.4	38.5	30.1	36.3	32.6	(NA)	(NA)	(NA)
1982	34.8	42.7	36.7	38.9	39.0	38.3	29.9	36.2	32.8			
1983	35.0	42.5	37.1	40.1	39.0	38.5	29.8	36.2	32.7			
1984	35.2	43.3	37.8	40.7	39.4	38.5	29.8	36.5	32.8			
985	34.9	43.4	37.7	40.5	39.5	38.4	29.4	36.4	32.5			
986	34.8	42.2	37.4	40.7	39.2	38.4	29.2	36.4	32.5			
VERAGE HOURLY EARNINGS												
960	$2.09	$2.60	$3.07	$2.26	(NA)	$2.24	$1.52	$2.02	(NA)			
965	2.46	2.92	3.70	2.61	$3.03	2.61	1.82	2.39	$2.06			
970	3.23	3.85	5.24	3.35	3.85	3.44	2.44	3.07	2.81			
975	4.53	5.95	7.31	4.83	5.88	4.73	3.36	4.06	4.02			
980	6.66	9.17	9.94	7.27	8.87	6.96	4.88	5.79	5.85			
981	7.25	10.04	10.82	7.99	9.70	7.56	5.25	6.31	6.41	(NA)	(NA)	(NA)
982	7.68	10.77	11.63	8.49	10.32	8.09	5.48	6.78	6.92			
983	8.02	11.28	11.94	8.83	10.79	8.55	5.74	7.29	7.31			
984	8.32	11.63	12.13	9.19	11.12	8.89	5.85	7.63	7.59			
985	8.57	11.98	12.32	9.54	11.40	9.16	5.94	7.94	7.90			
986	8.76	12.44	12.47	9.73	11.70	9.35	6.03	8.35	8.16			
VERAGE WEEKLY EARNINGS [3]												
60	$81	$105	$113	$90	(NA)	$91	$58	$75	(NA)			
965	95	124	139	108	$125	106	67	89	$74			
970	120	164	195	133	156	137	82	113	97			
975	164	249	266	191	233	183	109	148	135			
980	235	397	368	289	351	268	147	210	191			
981	255	439	399	318	382	291	158	229	209	(NA)	(NA)	(NA)
982	267	460	427	330	402	310	164	245	226			
983	281	279	443	354	421	329	171	264	239			
984	293	504	459	374	438	342	174	279	247			
985	299	520	464	386	450	352	175	289	257			
986	305	525	466	396	459	359	176	304	265			

NA Not available. [1] Mining, construction, and manufacturing. [2] See headnote, table 646.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 641. Employees in Nonagricultural Establishments—States: 1975 to 1986

[In thousands. For coverage, see headnote, table 640. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1972 *Standard Industrial Classification Manual*, see text, section 13]

Division and State	1975	1980	1984	1985	1986							
					Total [1]	Construction	Manufacturing	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Government
U.S.	76,945	90,406	94,496	97,519	99,610	4,904	18,994	5,244	23,580	6,297	23,099	16,711
N. Eng	4,857	5,481	5,891	6,067	6,224	285	1,405	254	1,449	430	1,567	829
ME	357	416	446	458	477	27	104	19	115	23	102	87
NH	293	385	442	466	489	35	116	17	121	28	108	65
VT	162	200	215	225	234	15	50	10	53	11	57	38
MA	2,273	2,652	2,852	2,926	2,981	121	619	125	703	203	820	388
RI	349	398	416	429	442	17	119	15	99	25	109	58
CT	1,223	1,427	1,521	1,562	1,602	71	396	69	358	139	371	196
Mid. Atl	13,966	15,021	15,556	15,895	16,187	664	2,992	872	3,603	1,241	4,175	2,594
NY	6,830	7,207	7,572	7,751	7,906	309	1,251	402	1,676	755	2,126	1,382
NJ	2,700	3,060	3,329	3,414	3,487	154	693	230	833	209	831	536
PA	4,436	4,753	4,655	4,730	4,795	202	1,049	240	1,095	277	1,216	676
E. No. Cent	15,190	16,728	16,385	16,841	17,134	614	4,148	836	4,089	967	3,773	2,658
OH	4,016	4,367	4,260	4,373	4,475	161	1,109	206	1,057	232	999	686
IN	1,942	2,130	2,122	2,169	2,228	96	603	113	526	111	428	343
IL	4,419	4,850	4,672	4,755	4,777	178	925	276	1,185	347	1,126	714
MI	3,137	3,443	3,381	3,562	3,639	115	998	148	814	171	787	597
WI	1,677	1,938	1,949	1,983	2,015	64	513	93	476	108	433	325
W. No. Cent	5,985	6,905	7,023	7,153	7,237	297	1,297	423	1,803	436	1,634	1,311
MN	1,474	1,770	1,820	1,865	1,891	75	369	96	471	116	448	305
IA	999	1,110	1,075	1,074	1,077	36	201	52	277	63	239	209
MO	1,741	1,970	2,033	2,095	2,132	98	422	141	508	129	489	331
ND	204	245	253	252	249	11	15	16	67	12	59	69
SD	209	238	247	249	252	10	28	13	66	14	60	51
NE	558	628	635	651	654	25	86	43	169	47	147	130
KS	801	945	961	968	983	44	175	62	247	54	193	195
So. Atl	12,104	14,695	16,123	16,791	17,383	1,104	3,082	903	4,152	995	3,874	3,191
DE	230	259	280	293	303	19	68	13	68	23	67	44
MD	1,479	1,712	1,814	1,888	1,951	139	210	91	497	117	504	393
DC [2]	577	616	614	631	641	14	16	24	63	36	221	267
VA	1,779	2,157	2,333	2,455	2,557	168	424	137	580	131	579	527
WV	575	646	597	597	597	23	87	37	137	24	121	121
NC	1,980	2,380	2,565	2,651	2,732	157	832	133	607	118	453	422
SC	983	1,189	1,263	1,296	1,338	88	364	56	292	61	223	253
GA	1,756	2,159	2,449	2,570	2,675	156	565	167	670	145	506	459
FL	2,746	3,576	4,209	4,410	4,590	340	517	245	1,239	340	1,203	696
E. So. Cent	4,411	5,143	5,234	5,384	5,516	258	1,325	275	1,256	260	1,036	1,030
KY	1,058	1,210	1,214	1,250	1,277	57	253	67	303	60	259	278
TN	1,506	1,747	1,812	1,868	1,929	90	492	97	450	94	385	314
AL	1,155	1,356	1,388	1,427	1,461	75	358	72	320	69	258	291
MS	692	829	821	839	849	36	223	39	183	37	134	191
W. So. Cent	7,236	9,310	10,054	10,217	10,058	580	1,502	595	2,518	634	2,061	1,633
AR	624	742	780	797	814	36	212	45	184	37	146	144
LA	1,250	1,579	1,602	1,591	1,524	91	167	108	370	86	316	324
OK	900	1,138	1,180	1,165	1,140	40	163	64	279	63	225	256
TX	4,463	5,851	6,492	6,663	6,581	414	960	375	1,685	448	1,372	1,111
Mt	3,423	4,502	4,930	5,111	5,184	327	603	301	1,250	314	1,277	1,011
MT	238	280	281	279	276	10	21	20	73	13	62	76
ID	273	330	331	336	335	15	52	19	84	24	68	72
WY	146	210	204	207	199	17	8	14	46	8	33	52
CO	964	1,251	1,402	1,419	1,402	78	185	88	349	98	325	254
NM	370	465	503	521	526	35	38	29	127	27	116	130
AZ	729	1,014	1,182	1,279	1,341	114	184	66	325	89	326	220
UT	440	551	601	624	634	33	92	36	153	33	138	144
NV	263	400	426	446	469	27	22	27	95	23	207	68
Pac	10,415	13,078	13,879	14,376	14,758	673	2,599	781	3,578	986	3,542	2,543
WA	1,226	1,608	1,660	1,710	1,770	85	304	96	435	105	393	348
OR	837	1,045	1,007	1,030	1,057	34	197	57	268	70	230	198
CA	7,847	9,849	10,574	10,979	11,272	522	2,064	576	2,713	766	2,756	1,833
AK	162	169	226	231	222	13	12	18	44	13	44	66
HI	343	405	413	426	437	19	22	34	117	33	119	103

[1] Includes mining, not shown separately.
[2] Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

Digitized by Google

No. 642. Nonagricultural Industries—Number of Employees, and Number and Earnings of Production Workers: 1980 to 1986

[Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headnote, table 640. See *Historical Statistics, Colonial Times to 1970*, series D 127–151, D 802–810, and D 877–892, for related data]

SIC [1] CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1986	1980	1985	1986	1980	1985	1986
(X)	**Total**	90,406	97,519	99,610	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	**Private sector** [2]	74,166	81,125	82,900	60,331	65,586	67,061	6.66	8.57	8.76
(B)	**Mining**	1,027	927	783	762	658	550	9.17	11.98	12.44
10	Metal mining	98	46	41	74	34	31	10.26	13.38	13.20
11, 12	Coal mining	246	187	176	204	153	144	[3] 10.86	[3] 15.24	[3] 15.39
13	Oil and gas extraction	560	583	457	389	387	293	8.59	11.06	11.59
14	Nonmetallic minerals, except fuels	123	110	109	96	84	83	7.52	10.18	10.39
(C)	**Construction**	4,346	4,673	4,904	3,421	3,659	3,848	9.94	12.32	12.47
15	General building contractors	1,173	1,253	1,293	900	935	958	9.22	11.23	11.42
16	Heavy construction contractors	927	793	778	746	652	647	9.20	12.08	11.99
17	Special trade contractors	2,246	2,628	2,832	1,776	2,072	2,243	10.65	12.90	13.07
(D)	**Manufacturing**	20,285	19,260	18,994	14,214	13,092	12,895	7.27	9.54	9.73
(X)	**Durable goods**	12,187	11,490	11,244	8,442	7,844	7,432	7.75	10.10	10.29
24	Lumber and wood products, except furniture [4]	691	697	711	578	584	597	6.55	8.22	8.33
241	Logging camps and logging contractors	88	84	83	71	67	70	8.64	10.92	10.84
242	Sawmills and planing mills	215	195	194	190	172	172	6.70	8.52	8.56
243	Millwork, plywood, and structural members	200	228	245	164	190	203	6.41	8.06	8.20
244	Wood containers	43	41	41	37	35	34	4.95	5.81	5.95
25	Furniture and fixtures [4]	466	494	497	376	394	397	5.49	7.17	7.46
251	Household furniture	301	295	294	253	247	247	5.12	6.56	6.86
252	Office furniture	60	66	66	40	50	51	5.91	8.06	8.39
254	Partitions and fixtures	63	69	72	47	51	52	6.68	8.69	8.93
32	Stone, clay, and glass products [4]	662	588	586	513	451	451	7.50	9.84	10.05
321	Flat glass	18	16	16	14	12	12	9.65	13.79	14.09
322	Glass and glassware, pressed [4]	124	91	89	105	77	76	7.97	10.78	11.01
324	Cement, hydraulic	31	23	23	25	18	18	10.55	13.27	13.36
325	Structural clay products	46	38	37	34	29	29	6.14	8.01	8.17
326	Pottery and related products	46	37	37	38	29	29	6.26	8.67	8.78
327	Concrete, gypsum, and plaster products	204	206	209	157	160	162	7.45	9.60	9.77
33	Primary metal industries [4]	1,142	808	753	878	612	566	9.77	11.67	11.86
331	Blast furnaces and basic steel products	512	303	275	396	232	210	11.39	13.33	13.73
332	Iron and steel foundries	209	141	131	167	112	103	8.20	10.51	10.57
333	Primary nonferrous metals	71	45	39	53	33	27	10.69	13.74	13.49
335	Nonferrous rolling and drawing	211	186	180	151	133	127	8.81	11.05	11.22
336	Nonferrous foundries	90	87	86	72	70	69	7.30	9.32	9.54
34	Fabricated metal products [4]	1,613	1,485	1,431	1,195	1,084	1,057	7.45	9.70	9.89
341	Metal cans and shipping containers	75	58	58	63	50	50	9.84	13.10	13.33
342	Cutlery, hand tools, and hardware	164	142	136	125	105	100	7.02	9.71	9.80
343	Plumbing and heating, exc. electric	70	63	61	50	45	44	6.62	8.67	8.99
344	Fabricated structural metal products	513	443	438	355	309	308	7.26	9.00	9.13
345	Screw machine products, bolts, etc	109	96	93	84	74	71	6.96	9.11	9.42
346	Metal forgings and stampings	264	249	244	207	200	195	8.56	11.62	11.82
35	Machinery, except electrical [4]	2,494	2,174	2,060	1,602	1,307	1,225	8.00	10.29	10.59
351	Engines and turbines	135	105	102	87	66	64	9.73	13.02	13.04
352	Farm and garden machinery	169	98	91	116	66	60	8.78	9.93	10.03
353	Construction and related machinery	389	253	227	255	156	138	8.60	10.91	11.08
354	Metalworking machinery	373	310	304	273	222	217	8.18	10.59	10.98
355	Special industry machinery	207	168	159	133	100	94	7.51	10.16	10.43
356	General industrial machinery	324	268	255	212	171	162	7.98	10.06	10.25
357	Office and computing machines	432	514	475	186	189	162	6.74	9.32	9.95
358	Refrigeration and service industry	174	172	171	120	120	120	7.23	10.09	10.29
36	Electric and electronic equipment [4]	2,091	2,197	2,123	1,328	1,300	1,229	6.94	9.46	9.65
361	Electric distributing equipment	123	113	107	86	81	78	6.96	8.83	8.98
362	Electrical industrial apparatus	240	196	187	169	138	130	7.12	9.52	9.69
363	Household appliances	163	136	135	129	106	106	6.95	9.23	9.58
364	Electric lighting and wiring equipment	209	198	196	156	144	141	6.42	8.67	8.84
365	Radio and TV receiving equipment	109	84	82	79	57	56	6.42	9.33	9.44
366	Communication equipment	541	653	632	267	291	284	7.93	11.25	11.30
367	Electronic components and access	554	663	630	334	375	348	6.05	8.30	8.64
37	Transportation equipment [4]	1,900	1,980	2,015	1,233	1,257	1,264	9.35	12.71	12.81
371	Motor vehicles and equipment	789	884	865	575	685	665	9.85	13.39	13.45
372	Aircraft and parts	652	636	675	355	304	331	9.28	12.62	12.87
373	Ship and boat building and repairs	221	187	185	176	140	140	8.22	10.51	10.51
374	Railroad equipment	71	33	28	53	23	19	9.93	12.53	12.48

See footnotes at end of table.

Digitized by Google

NO. 642. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1986—Continued

[See headnote, p. 387]

SIC [1] CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1986	1980	1985	1986	1980	1985	1986
38	Instruments and related products	711	720	707	426	391	383	6.80	9.17	9.47
381	Engineering and scientific instruments	77	84	84	37	37	37	7.12	9.82	10.22
382	Measuring and controlling devices	245	254	246	154	141	136	6.85	8.94	9.25
383	Optical instruments and lenses	33	34	33	18	17	16	7.32	10.17	10.44
384	Medical instruments and supplies	156	174	180	101	104	109	5.80	8.15	8.46
385	Ophthalmic goods	44	40	38	31	26	26	5.30	6.94	7.21
386	Photographic equipment and supplies	135	123	115	67	57	52	8.83	12.05	12.66
387	Watches, clocks, and watchcases	22	12	11	17	9	8	5.24	6.87	6.98
39	Misc. manufacturing industries [4]	418	367	362	313	264	263	5.46	7.30	7.54
391	Jewelry, silverware, plated ware	56	55	54	40	37	37	5.76	7.78	8.14
394	Toys and sporting goods	117	95	94	88	70	70	5.01	6.85	6.91
395	Pens, pencils, office and art supplies	37	33	33	27	22	22	5.58	7.70	7.72
396	Costume jewelry and notions	51	41	41	41	31	32	4.71	5.91	6.04
(X)	**Nondurable goods**	**8,098**	**7,770**	**7,750**	**5,772**	**5,449**	**5,463**	**8.55**	**8.71**	**8.94**
20	Food and kindred products [4]	1,706	1,603	1,617	1,175	1,116	1,136	6.85	8.57	8.74
201	Meat products	358	362	372	298	305	315	6.99	7.23	7.31
202	Dairy products	175	163	163	96	96	98	6.88	9.17	9.45
203	Preserved fruits and vegetables	256	236	238	210	194	198	5.94	7.81	8.00
204	Grain mill products	144	125	122	99	85	83	7.67	10.38	10.60
205	Bakery products	225	210	210	131	126	127	7.21	9.69	9.88
206	Sugar and confectionery products	106	96	97	79	75	76	6.57	8.63	8.84
207	Fats and oils	44	35	34	32	26	25	7.03	8.80	8.85
208	Beverages	234	214	212	105	92	90	8.12	11.38	11.71
21	Tobacco manufactures	69	64	59	54	48	45	7.74	11.96	12.85
211	Cigarettes	46	44	42	35	32	32	9.23	14.71	15.58
22	Textile mill products [4]	848	702	705	737	607	610	5.07	6.70	6.93
221	Weaving mills, cotton	150	106	102	135	95	92	5.25	7.01	7.26
222	Weaving mills, synthetic	116	90	84	104	80	75	5.30	7.15	7.41
223	Weaving and finishing mills, wool	19	17	16	16	15	15	5.21	7.07	7.36
224	Narrow fabric mills	23	22	22	20	19	19	4.63	6.39	6.55
225	Knitting mills	220	196	207	191	172	180	4.76	6.15	6.37
226	Textile finishing, except wool	74	59	60	62	49	50	5.39	7.12	7.26
227	Floor covering mills	54	54	56	44	44	46	5.20	6.92	7.24
228	Yarn and thread mills	125	101	104	113	90	93	4.76	6.26	6.50
23	Apparel and other textile products [4]	1,264	1,121	1,106	1,079	945	931	4.56	5.73	5.84
231	Men's and boys' suits and coats	77	63	60	67	55	51	5.34	6.65	6.62
232	Men's and boys' furnishings	362	312	308	310	270	267	4.23	5.27	5.36
233	Women's and misses outerwear	417	362	356	360	302	297	4.61	5.56	5.61
234	Undergarments [4]	90	77	77	76	65	64	4.15	5.29	5.37
236	Children's outerwear	64	61	61	55	51	51	4.20	5.07	5.17
238	Misc. apparel, accessories	56	44	42	48	36	35	4.48	5.50	5.58
26	Paper and allied products	693	678	674	523	512	511	7.84	10.83	11.18
261, 2, 6	Paper and pulp mills	203	197	195	152	149	149	9.15	13.14	13.62
263	Paperboard mills	65	55	53	51	42	41	9.26	13.60	13.96
264	Misc. converted paper products	220	229	230	163	168	169	6.89	9.33	9.62
265	Paperboard containers and boxes	205	197	196	157	152	152	6.94	9.24	9.56
27	Printing and publishing [4]	1,252	1,426	1,457	699	789	817	7.53	9.71	9.99
271	Newspapers	420	451	456	164	169	170	7.72	9.77	10.02
272	Periodicals	90	113	115	16	29	40	7.16	10.20	10.63
273	Books	101	107	109	52	54	59	6.76	8.70	9.02
275	Commercial printing	414	493	508	307	359	369	7.85	10.05	10.27
278	Blankbooks and bookbinding	62	70	73	51	57	59	5.78	7.63	7.87
28	Chemicals and allied products [4]	1,107	1,044	1,023	626	578	568	8.30	11.56	11.96
281	Industrial inorganic chemicals	161	142	136	87	72	70	9.07	12.80	13.12
282	Plastics materials and synthetics	205	172	167	137	114	113	8.21	11.71	12.12
283	Drugs	196	206	207	97	95	96	7.69	10.75	11.16
284	Soap, cleaners, and toilet goods	141	148	147	86	94	93	7.67	10.28	10.73
285	Paints and allied products	65	64	63	33	31	31	7.39	10.08	10.43
287	Agricultural chemicals	72	59	55	45	37	34	8.12	11.03	11.46
29	Petroleum and coal products [4]	196	179	169	125	109	106	10.10	14.06	14.18
291	Petroleum refining	155	141	131	93	82	79	10.94	15.25	15.33
295	Paving and roofing materials	31	26	27	24	20	20	7.69	10.56	10.93
30	Rubber and misc. plastics products	727	786	790	559	607	614	6.52	8.54	8.73
30194	Tires and inner tubes	115	94	86	81	65	64	9.74	13.21	13.69
31	Leather and leather products [4]	233	165	151	197	137	124	4.58	5.83	5.92
311	Leather tanning and finishing	19	15	14	16	12	12	6.10	7.82	7.67
314	Footwear except rubber	144	99	90	123	84	76	4.42	5.53	5.61
317	Handbags, personal leather goods	30	21	19	25	17	15	4.33	5.61	5.73

See footnotes at end of table.

Digitized by Google

NO. 642. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS, 1980 TO 1986—Continued

[See headnote, p. 387]

SIC [1] CODE	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1986	1980	1985	1986	1980	1985	1986
(E)	**Transp. and public utilities** [4]	5,146	5,238	5,244	4,293	4,339	4,335	8.87	11.40	11.70
40	Railroad transportation	532	359	331	(*)	(*)	(*)	(*)	(*)	(*)
4011	Class I railroads [5]	482	323	294	(*)	(*)	(*)	[6] 9.92	[6] 13.64	[6] 13.89
41	Local and interurban passenger transit	265	278	282	244	257	261	6.34	7.68	8.02
42	Trucking and warehousing	1,290	1,383	1,382	1,121	1,187	1,202	9.13	10.52	10.71
45	Air transportation	453	552	570	(*)	(*)	(*)	(*)	(*)	(*)
46	Pipelines, except natural gas	21	19	18	15	13	13	10.50	15.26	15.12
47	Transportation services	198	276	284	(*)	(*)	(*)	(*)	(*)	(*)
48	Communication [4]	1,357	1,320	1,279	1,014	1,006	975	8.50	11.75	12.14
481	Telephone communication	1,072	921	881	779	687	656	8.72	12.45	12.85
483	Radio and television broadcasting	200	238	238	160	194	195	7.44	10.26	10.76
49	Electric, gas, and sanitary services [4]	827	915	924	677	729	735	8.90	12.83	13.39
491	Electric services	391	448	452	316	349	349	9.12	12.94	13.46
492	Gas production and distribution	168	175	168	136	137	132	8.27	11.76	12.53
493	Combination utility services	197	203	206	162	166	171	9.64	14.93	15.83
495	Sanitary services	49	64	71	43	56	62	7.04	9.47	9.75
(F)	**Wholesale trade**	5,275	5,717	5,735	4,312	4,598	4,601	6.96	9.16	9.35
(G)	**Retail trade** [4]	15,035	17,356	17,845	13,500	15,457	15,891	4.88	5.94	6.03
53	General merchandise stores	2,245	2,324	2,363	2,090	2,174	2,223	4.77	5.92	6.30
54	Food stores	2,384	2,775	2,873	2,202	2,567	2,655	6.24	7.35	7.06
56	Apparel and accessory stores	957	1,041	1,070	820	875	905	4.30	5.25	5.37
57	Furniture and home furnishings stores	606	735	771	502	608	641	5.53	7.13	7.29
58	Eating and drinking places	4,626	5,709	5,879	4,256	5,194	5,345	3.69	4.33	4.35
(H)	**Finance, insurance, real estate**	5,160	5,955	6,297	3,907	4,415	4,655	5.79	7.94	8.35
60	Banking	1,571	1,706	1,736	1,210	1,251	1,263	4.94	6.84	7.16
61	Credit agencies other than banks	570	750	831	431	570	628	5.12	7.21	7.61
62	Security, commodities brokers, services	227	355	392	(*)	(*)	(*)	(*)	(*)	(*)
63	Insurance carriers	1,224	1,292	1,364	854	883	930	6.29	8.61	9.07
64	Insurance agents, brokers, services	452	542	581	(*)	(*)	(*)	(*)	(*)	(*)
65	Real estate	981	1,132	1,187	(*)	(*)	(*)	(*)	(*)	(*)
66, 67	Other finance, insurance, real estate	135	180	205	(*)	(*)	(*)	(*)	(*)	(*)
(I)	**Services** [4]	17,890	22,000	23,099	15,921	19,368	20,288	5.85	7.90	8.16
70	Hotels and other lodging places	1,076	1,336	1,401	(*)	(*)	(*)	(*)	(*)	(*)
701	Hotels, motels, and tourist courts	1,036	1,290	1,356	954	1,158	1,215	4.45	5.83	5.96
72	Personal services [4]	901	1,056	1,104	(*)	(*)	(*)	(*)	(*)	(*)
721	Laundry, cleaning, garment services	356	379	386	318	338	344	4.47	5.79	5.99
723	Beauty shops	284	334	347	264	302	314	4.26	6.09	6.17
73	Business services [4]	3,092	4,457	4,781	2,698	3,863	4,113	6.02	8.19	8.43
731	Advertising	153	196	202	116	145	149	6.07	10.74	11.40
736	Personnel supply services [4]	563	916	1,017	(*)	(*)	(*)	(*)	(*)	(*)
7361	Employment agencies	(*)	160	156	(*)	(*)	(*)	(*)	(*)	(*)
7362	Temporary help supply services	(*)	708	807	(*)	(*)	(*)	(*)	(*)	(*)
737	Computer, data process, services [4]	304	542	591	254	447	475	7.16	10.98	11.59
7372	Computer programming and software	(*)	195	216	(*)	(*)	(*)	(*)	(*)	(*)
7374	Data processing services	(*)	258	276	(*)	(*)	(*)	(*)	(*)	(*)
75	Auto repair, services, garages	571	731	762	486	614	639	6.10	7.40	7.56
753	Automobile repair shops	350	446	457	297	372	380	6.52	7.99	8.17
78	Motion pictures	217	225	227	191	190	191	7.88	12.12	12.09
783	Motion picture theaters	124	108	108	(*)	(*)	(*)	(*)	(*)	(*)
79	Amusement, recreation services	764	840	915	692	740	812	5.52	6.94	6.88
80	Health services [4]	5,276	6,299	6,551	4,712	5,607	5,823	5.68	8.06	8.34
805	Nursing, personal care facilities	997	1,199	1,250	898	1,085	1,129	4.17	5.61	5.80
806	Hospitals	2,750	2,997	3,038	2,522	2,732	2,769	6.08	9.00	9.36
806	Outpatient care facilities	133	216	247	(*)	(*)	(*)	(*)	(*)	(*)
81	Legal services	498	694	748	427	589	632	7.35	10.52	11.24
82	Educational services	1,138	1,362	1,428	(*)	(*)	(*)	(*)	(*)	(*)
83	Social services	1,134	1,354	1,457	(*)	(*)	(*)	(*)	(*)	(*)
86	Membership organizations	1,539	1,520	1,530	(*)	(*)	(*)	(*)	(*)	(*)
(J)	**Government**	16,241	16,394	16,711	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Federal government	2,866	2,875	2,899	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	State government	3,610	3,832	3,888	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Local government	9,765	9,687	9,923	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. [1] Standard Industrial Classification, see text, section 13. [2] Excludes government. [3] 11-month average. [4] Includes industries not shown separately. [5] Includes blown. [6] Women's and children's. [7] Included in totals; not available separately. [8] For changes in "Class I" classification, see text, section 21. [9] Includes all employees except executives, officials, and staff assistants who received pay during the month.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

NO. 643. INDEXES OF OUTPUT PER HOUR FOR ALL EMPLOYEES—SELECTED INDUSTRIES: 1970 TO 1985

[See text, section 13. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series W 14, 17, and 19, W 30–54, and W 62–65]

SIC [1] CODE	INDUSTRY	INDEXES (1977 = 100)								AVERAGE ANNUAL PERCENT CHANGE [2]	
		1970	1975	1980	1981	1982	1983	1984	1985, prel.	1970–1985	1980–1985
(B)	**Mining:**										
1011	Iron (usable ore)	111.1	117.8	123.2	130.6	98.2	138.6	170.4	183.7	2.2	9.4
1021	Copper (recoverable metal)	85.5	77.2	91.6	97.7	116.2	130.9	153.9	187.6	4.5	15.6
111, 121	Coal	141.1	105.3	112.5	122.2	119.2	136.1	151.3	154.4	.8	7.8
14	Nonmetallic minerals [3]	89.7	90.6	96.5	94.7	89.3	96.2	105.3	107.7	.8	2.8
(D)	**Manufacturing:**										
2011, 2013	Red meat products	77.3	84.4	107.0	107.9	112.3	115.9	117.0	(NA)	[4] 3.2	[4] 2.5
2026	Fluid milk	73.7	95.5	126.5	131.8	140.0	145.5	152.6	(NA)	[4] 5.2	[4] 4.9
203	Preserved fruits, vegetables	79.7	93.7	100.8	99.2	107.9	110.9	112.4	(NA)	[4] 2.2	[4] 3.3
204	Grain mill products	79.7	87.1	105.3	110.9	121.0	125.5	132.7	(NA)	[4] 3.6	[4] 6.0
205	Bakery products	87.5	93.4	93.7	96.2	103.3	106.9	106.8	(NA)	[4] 1.6	[4] 3.7
2061, 2, 3	Sugar	85.9	94.0	100.1	96.8	90.4	96.8	99.7	103.1	.9	.8
2086	Bottled, canned soft drinks	70.0	87.2	109.8	114.3	118.3	127.0	136.3	144.9	4.9	6.0
2111, 21, 31	Tobacco products	86.6	93.9	102.1	100.5	100.7	105.1	110.3	114.9	1.5	2.0
2251, 52	Hosiery	65.5	94.3	107.4	122.0	114.2	118.0	119.7	115.5	4.5	1.0
2281	Nonwool yarn mills	84.3	101.2	99.7	103.1	118.2	126.0	129.7	129.1	2.8	6.0
2421	Sawmills, planing mills	90.0	98.8	104.2	107.9	115.1	125.0	131.9	135.6	2.1	5.9
2431	Millwork	95.9	100.2	93.6	96.4	86.1	86.3	88.7	(NA)	[4] –1.0	[4] –2.2
2434	Wood kitchen cabinets	(NA)	88.1	98.2	94.8	96.1	93.5	93.8	(NA)	[4] .9	[4] –1.0
2435, 36	Veneer and plywood	83.2	97.8	102.8	106.9	114.4	120.6	120.3	(NA)	[4] 2.5	[4] 4.4
251	Household furniture	82.2	97.5	99.9	103.0	104.7	109.6	111.3	110.4	1.8	2.2
252	Office furniture	78.2	85.5	112.1	108.8	107.4	110.7	116.7	(NA)	[4] 2.7	[4] 1.0
2611, 21, 31, 61	Paper, paperboard, pulp mills	77.5	86.7	105.2	104.4	111.3	119.6	121.9	122.2	2.9	3.7
2653	Corrugated, solid fiber boxes	73.1	98.2	111.0	109.8	111.9	114.0	118.9	118.9	3.2	1.7
2823, 24	Synthetic fibers	53.8	84.5	115.7	120.9	103.6	126.2	125.3	134.8	5.5	3.1
2834	Pharmaceuticals	74.8	92.5	106.0	104.2	107.0	114.4	112.6	115.6	2.7	2.1
2841	Soaps, detergents	83.9	97.3	109.6	107.3	100.9	98.2	101.0	(NA)	[4] 1.1	[4] –2.5
2844	Cosmetics	65.9	94.0	83.6	76.1	84.0	86.0	84.8	(NA)	[4] 1.7	[4] 1.5
2851	Paints, allied products	74.9	99.2	99.8	99.8	106.5	111.5	120.6	126.6	2.6	4.0
2911	Petroleum refining	73.8	88.7	94.2	83.7	79.4	81.8	92.5	100.3	.8	1.9
3011	Tires, inner tubes	87.6	91.8	102.4	118.1	128.2	136.1	146.8	145.7	3.3	7.3
3079	Miscellaneous plastics	(NA)	86.2	95.7	98.5	110.1	107.1	109.9	(NA)	[4] 2.4	[4] 3.7
314	Footwear	100.3	101.3	99.1	95.6	106.4	103.9	105.7	104.8	.3	1.6
3221	Glass containers	87.2	98.5	105.2	110.1	105.8	108.5	128.0	132.1	2.3	4.7
325	Structural clay products	78.2	91.0	97.6	100.7	102.6	104.0	109.9	107.8	1.8	2.2
3271, 72	Concrete products	82.3	91.9	90.4	88.5	91.0	96.4	98.3	(NA)	[4] .6	[4] 2.6
331	Steel	87.6	93.3	102.9	112.0	90.9	116.8	131.3	138.5	2.0	6.5
3321	Gray iron foundries	79.8	97.0	90.8	92.7	93.7	98.7	106.8	109.2	1.2	4.1
3353, 54, 55	Aluminum rolling, drawing	66.0	87.5	100.0	98.8	99.2	110.4	116.2	117.1	2.8	4.2
3411	Metal cans	78.8	87.0	102.6	108.1	118.5	120.5	122.6	125.8	3.5	4.1
3441	Fabricated structural metal	102.2	97.4	102.1	98.5	98.4	103.3	106.8	(NA)	[4] –.4	[4] 1.4
3465, 6, 9	Metal stampings	86.4	93.2	99.9	101.4	98.1	104.1	109.3	(NA)	[4] 1.0	[4] 2.1
3519	Internal combustion engines	76.4	86.7	94.3	93.2	82.0	88.3	98.7	(NA)	[4] .9	[4] .4
352	Farm, garden machinery	75.7	97.7	93.7	95.1	94.9	95.1	104.9	108.3	2.1	1.6
3531	Construction machinery, equipment	93.4	93.9	97.4	98.1	86.9	95.3	103.4	114.2	1.1	3.1
3541, 42	Machine tools	91.7	103.0	98.8	98.5	88.1	86.8	93.0	101.8	–.3	.1
3545	Machine tool accessories	82.0	100.9	99.2	102.0	89.1	85.4	95.2	(NA)	[4] –.1	[4] –2.6
3561, 63	Pumps and compressors	85.8	91.4	100.2	102.4	95.5	101.8	106.0	(NA)	[4] 1.2	[4] 1.1
3585	Refrigeration, heating equipment	88.4	89.9	93.8	99.4	100.1	101.2	104.1	(NA)	[4] .4	[4] 2.3
3621	Motors, generators	87.8	93.0	98.7	100.4	102.4	104.2	106.4	108.2	.9	2.2
3631, 2, 9	Major household appliances	70.2	93.6	105.4	107.5	109.6	115.5	121.7	126.6	3.2	4.1
3651	Radio and TV sets	70.6	90.1	118.9	133.6	163.9	196.7	226.9	(NA)	[4] 7.6	[4] 18.9
371	Motor vehicles, equipment	70.5	87.7	90.8	93.1	96.9	109.6	115.9	122.5	2.7	6.7
3825	Instruments to measure electricity	(NA)	95.9	108.4	111.9	119.2	120.7	131.2	(NA)	[4] 3.5	[4] 4.7
(E, G, H, I)	**Transportation, utilities, trade:**										
401	RR transport (revenue traffic) [5]	77.7	89.5	107.3	111.5	115.8	141.9	152.6	162.1	4.3	9.6
Pts of 4111, 31, 414	Bus carriers [7]	107.3	97.0	100.9	90.7	96.8	95.4	90.9	(NA)	[4] –1.0	[4] –1.6
4213 pt.	Intercity trucking [8]	83.5	89.2	94.3	96.7	93.3	101.0	102.5	97.2	.8	1.0
4511	Air transportation [9]	71.4	87.6	106.2	104.9	114.9	126.8	131.7	136.1	4.0	5.9
4612, 13	Petroleum pipelines	79.5	95.7	93.0	86.0	89.2	94.3	104.5	104.3	.9	3.5
4811	Telephone communications	62.1	85.9	118.1	124.4	129.1	145.7	144.0	150.9	6.3	5.2
491, 92, 93	Gas and electric utilities	84.6	95.7	96.2	94.4	89.3	88.1	91.4	90.4	.1	–1.2
54	Retail food stores [9]	109.8	100.7	98.9	95.2	93.5	93.9	93.6	92.7	–1.2	–1.1
5511	Franchised new car dealers	86.1	95.0	99.6	98.1	100.4	109.4	110.4	109.8	1.3	2.7
5541	Gasoline service stations [9]	75.3	86.3	105.3	99.8	110.7	118.1	121.1	123.1	3.3	3.9
56	Apparel, accessory stores [9]	82.2	105.3	120.1	127.1	130.9	137.8	146.8	155.2	4.0	5.2
57	Furniture, furnishings, equip. stores [9]	80.1	91.9	107.4	112.6	109.2	118.4	122.4	125.9	2.9	3.3
58	Eating, drinking places [9]	101.0	101.0	99.5	97.0	96.6	97.1	94.9	92.8	–.5	–1.2
5912	Drug, proprietary stores [9]	83.4	94.2	107.0	107.6	107.9	110.1	105.0	100.8	1.5	–1.0
592	Liquor stores [9]	(NA)	98.5	101.6	103.2	107.8	101.2	101.6	101.0	[10] 8	–.4
602	Commercial banking	85.5	90.0	92.7	90.5	93.2	101.7	104.7	(NA)	[4] .9	[4] 3.7
7011	Hotels, motels, tourist courts [9]	85.1	89.7	95.0	91.6	88.8	95.4	102.1	97.0	1.0	1.4
721	Laundry, cleaning services [9]	95.5	98.9	90.6	88.1	90.2	90.1	92.1	87.5	–.7	–1.1
723, 724	Beauty and barber shops	(NA)	98.7	102.9	109.2	108.3	114.1	103.9	99.6	[10] 8	–.7

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] For explanation of average annual percent change, see source. [3] Excludes fuels. [4] Change from 1970 to 1984 and 1980 to 1984. [5] Change from 1975 to 1984 and 1980 to 1984. [6] Class 1 line-haul railroads and switching and terminal companies. [7] Class 1 interstate carriers regulated by the ICC. [8] Refers to output per employee. [9] Data relate to all persons (paid employees, unpaid family workers, and the self-employed). [10] Change from 1975 to 1985.

Source: U.S. Bureau of Labor Statistics, Bulletin 2277, *Productivity Measures for Selected Industries, 1958–85;* and unpublished data.

Digitized by Google

No. 644. Indexes of Productivity and Related Measures: 1960 to 1986

[See text, section 13. Minus sign (−) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689–704 and W 22–25]

Item	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
INDEXES (1977 = 100)										
Output, per hour, business sector	67.6	61.0	68.4	95.7	99.3	100.3	103.0	105.3	106.4	107.1
Nonfarm business	71.0	63.4	69.3	96.0	98.8	99.2	102.4	104.3	104.8	105.5
Manufacturing	62.2	78.6	80.8	92.9	101.4	105.9	112.0	116.6	121.7	126.0
Output,[1] business sector	55.4	70.0	80.3	89.4	106.7	105.5	109.9	118.8	122.7	125.9
Nonfarm business	54.8	69.5	80.0	89.1	106.7	104.9	110.1	118.8	122.5	125.9
Manufacturing	52.5	71.7	78.6	84.9	103.2	98.4	104.7	116.0	120.4	124.4
Hours,[2] business sector	81.9	86.4	90.8	93.4	107.5	105.2	106.7	112.8	115.3	117.5
Nonfarm business	78.9	83.3	89.7	92.8	108.0	105.7	107.5	114.0	116.9	119.3
Manufacturing	84.4	93.6	97.3	91.4	101.7	92.9	93.5	99.5	98.9	98.7
Compensation per hour,[3] business sector	33.6	41.5	57.8	85.2	131.5	154.9	161.5	168.1	175.3	180.9
Nonfarm business	35.3	42.5	58.2	85.6	131.3	154.8	161.5	167.9	174.6	179.8
Manufacturing	36.5	42.7	57.4	85.1	132.4	157.5	162.4	168.2	176.7	181.9
Real hourly compensation,[3] business sector	68.9	79.6	90.2	95.9	96.7	97.3	98.2	98.1	98.8	100.0
Nonfarm business	72.3	81.6	90.8	96.4	96.6	97.2	98.2	98.0	98.4	99.4
Manufacturing	74.8	82.0	89.5	95.9	97.4	98.9	98.8	98.1	99.5	100.5
Unit labor costs,[4] business sector	49.7	51.2	65.4	89.0	132.5	154.5	156.8	159.7	164.8	168.8
Nonfarm business	49.7	50.9	65.2	89.2	132.9	156.0	157.7	161.0	166.7	170.4
Manufacturing	58.7	55.8	71.0	91.7	130.6	148.7	145.0	144.2	145.1	144.3
ANNUAL PERCENT CHANGE [5]										
Output per hour, business sector	1.7	3.0	.7	2.0	−.3	−.4	2.7	2.3	1.0	.7
Nonfarm business	1.1	2.5	.3	1.8	−.4	−.8	3.3	1.8	.5	.7
Output,[1] business sector	1.8	8.3	−.9	−2.1	−1.1	−3.1	4.2	8.1	3.3	2.6
Nonfarm business	1.7	8.4	−1.1	−2.3	−1.2	−3.3	4.9	8.0	3.0	2.6
Hours,[2] business sector	.1	3.2	−1.8	−4.0	−.8	−2.8	1.5	5.7	2.2	1.9
Nonfarm business	.6	3.6	−1.3	−4.0	−.7	−2.7	1.8	6.0	2.6	2.0
Compensation per hour,[3] business sector	4.3	3.8	7.3	9.7	10.5	7.8	4.2	4.1	4.3	3.2
Nonfarm business	4.4	3.4	7.0	9.7	10.5	7.8	4.3	4.0	4.0	3.0
Real hourly compensation,[3] business sector	2.7	2.1	1.2	.5	−2.7	1.6	1.0	−.1	.7	1.2
Nonfarm business	2.8	1.7	.9	.5	−2.7	1.5	1.1	−.3	.4	1.1
Unit labor costs,[4] business sector	2.8	.9	6.5	7.6	10.9	8.3	1.5	1.8	3.2	2.5
Nonfarm business	3.3	.8	6.7	7.8	11.0	8.4	1.1	2.1	3.5	2.3

[1] Refers to gross domestic product originating in the sector, in 1982 prices. [2] Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. [3] Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, section 15. [4] Hourly compensation divided by output per paid hour. [5] All changes are from the immediately prior year.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 645. Average Annual Total Compensation and Wages and Salaries per Full-Time Equivalent Employee, by Industry: 1980 to 1986

[**In dollars, except percent.** Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind; total compensation includes, in addition to wages and salaries, employer contributions for social insurance, employer contributions to private pension and welfare funds, directors' fees, jury and witness fees, etc.]

Industry	Annual total compensation					Annual wages and salaries				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
All domestic industries	**18,815**	**23,297**	**24,277**	**25,321**	**26,295**	**15,757**	**19,330**	**20,168**	**21,096**	**21,935**
Average annual percent change[1]	8.4	7.4	4.2	4.3	3.8	7.8	7.1	4.3	4.6	4.0
Agriculture, forestry, fisheries	9,836	11,634	12,169	12,912	13,341	8,596	10,125	10,596	11,195	11,623
Mining	28,161	35,561	37,106	38,596	40,432	23,405	29,606	30,777	32,053	33,418
Construction	22,033	26,548	26,791	27,639	28,499	18,571	21,969	22,061	22,766	23,567
Manufacturing	22,023	27,346	28,620	30,077	31,219	17,954	22,150	23,244	24,547	25,462
Transportation	25,029	29,634	30,306	30,864	31,498	20,850	24,379	24,811	25,224	25,628
Communication	28,341	37,160	37,961	40,185	41,974	22,079	28,646	29,376	31,373	32,806
Electric, gas, sanitary services	27,358	35,569	37,544	39,588	41,613	21,701	28,038	29,832	31,668	33,300
Wholesale trade	21,598	26,148	27,632	28,883	30,129	18,822	22,584	23,864	24,996	26,074
Retail trade	12,490	14,666	15,310	15,674	16,183	10,953	12,913	13,284	13,610	14,042
Finance, insurance, real estate	16,968	24,780	26,166	28,061	30,338	15,671	20,758	21,980	23,715	25,746
Services	15,236	19,569	20,481	21,386	22,307	13,460	17,095	17,895	18,709	19,525
Government and government enterprises	19,681	25,130	26,449	27,941	29,193	15,911	19,901	20,980	22,183	23,234

[1] Represents average for period of intervals shown; for 1980, change from 1975. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987.

Digitized by Google

No. 646. Average Hourly and Weekly Earnings in Current and Constant (1977) Dollars, by Private Industry Group: 1970 to 1986

[Gross weekly earnings includes overtime. Data are for production and related workers in mining, manufacturing, and construction, and nonsupervisory employees in other industries. Excludes agriculture. See headnote, table 640. See also *Historical Statistics, Colonial Times to 1970*, series D 877–892]

Private industry group	Current dollars						Constant (1977) dollars					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Average hourly earnings	**3.23**	**4.53**	**6.06**	**8.32**	**8.57**	**8.76**	**5.04**	**5.10**	**4.89**	**4.91**	**4.88**	**4.82**
Manufacturing	3.35	4.83	7.27	9.19	9.54	9.73	5.23	5.44	5.34	5.42	5.44	5.46
Mining	3.85	5.95	9.17	11.63	11.98	12.44	6.01	6.70	6.74	6.86	6.83	6.98
Construction	5.24	7.31	9.94	12.13	12.32	12.47	6.17	8.23	7.30	7.16	7.02	7.00
Transportation, public utilities	3.85	5.88	8.87	11.12	11.40	11.70	6.01	6.62	6.52	6.56	6.50	6.57
Wholesale trade	3.44	4.73	6.96	8.89	9.16	9.35	5.37	5.33	5.11	5.24	5.22	5.25
Retail trade	2.44	3.36	4.88	5.85	5.94	6.03	3.81	3.78	3.59	3.45	3.38	3.38
Finance, insurance, real estate	3.07	4.06	5.79	7.63	7.94	8.35	4.79	4.57	4.25	4.50	4.52	4.69
Services	2.81	4.02	5.85	7.59	7.90	8.18	4.38	4.53	4.30	4.48	4.50	4.58
Average weekly earnings	**120**	**164**	**235**	**293**	**299**	**305**	**187**	**184**	**173**	**173**	**170**	**171**
Manufacturing	134	191	289	374	386	396	209	215	212	221	220	222
Mining	164	249	397	504	520	525	256	280	292	297	296	295
Construction	195	266	368	459	464	466	304	300	270	271	265	262
Transportation, public utilities	156	233	351	438	450	459	243	262	258	258	257	257
Wholesale trade	137	183	267	342	352	359	214	206	197	202	200	201
Retail trade	82	109	147	174	175	176	128	123	108	103	100	99
Finance, insurance, real estate	113	148	210	279	289	304	176	167	154	164	165	171
Services	97	135	191	247	257	265	151	152	140	146	146	149

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 647. Annual Percent Changes in Earnings and Compensation: 1976 to 1986

Item	1976–1977	1977–1978	1978–1979	1979–1980	1980–1981	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986
Current dollars:										
Hourly earnings, total [1]	8.0	8.4	8.3	8.1	8.9	5.9	4.4	3.7	3.0	2.2
Hourly earnings, manufacturing	8.8	8.6	8.8	8.5	9.9	6.3	4.0	4.1	3.8	2.0
Compensation per employee-hour [1]	7.8	8.5	9.4	10.4	9.4	7.8	4.3	3.8	4.4	3.8
Constant (1977) dollars:										
Hourly earnings, total [1]	1.4	.8	−2.8	−4.9	−1.2	-	1.2	.4	−.6	.8
Hourly earnings, manufacturing	2.2	.9	−2.4	−4.5	−.2	.3	.9	.6	.4	.4
Compensation per employee-hour [1]	1.2	.8	−1.7	−2.8	−.9	1.5	1.5	−.4	.8	1.9
Consumer Price Index [2]	6.5	7.7	11.3	13.5	10.4	6.1	3.2	4.3	3.6	1.9

- Represents zero. [1] Nonfarm business sector. [2] See text, section 15.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 648. Average Weekly Earnings in Current and Constant (1977) Dollars, Private Nonagricultural and Manufacturing Industries: 1960 to 1986

[**In dollars.** Gross earnings includes overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 646. See *Historical Statistics, Colonial Times to 1970*, series D 804, for average weekly earnings in manufacturing]

Year	Private nonagricultural		Manufacturing		Year	Private nonagricultural		Manufacturing	
	Current dollars	Constant (1977) dollars [1]	Current dollars	Constant (1977) dollars [1]		Current dollars	Constant (1977) dollars [1]	Current dollars	Constant (1977) dollars [1]
1960	80.7	165.0	89.7	183.5	1979	219.9	183.4	269.3	224.6
1965	95.5	183.2	107.5	206.4	1980	235.1	172.7	288.6	212.0
1970	119.8	186.9	133.3	208.0	1981	255.2	170.1	318.0	212.0
1974	154.8	190.1	176.8	217.2	1982	267.3	168.1	330.3	207.7
1975	163.5	184.2	190.8	214.9	1983	280.7	171.3	354.1	216.0
1976	175.5	186.9	209.3	222.9	1984	292.9	172.8	374.0	220.7
1977	189.0	189.0	228.9	228.9	1985	299.1	170.4	386.4	220.2
1978	203.7	189.3	249.3	231.7	1986	304.9	171.1	396.0	222.2

[1] Earnings in current dollars divided by the Consumer Price Index (CPI–W) on a 1977 base; see text, section 15.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Digitized by Google

No. 649. Production Workers, Manufacturing Industries—Average Hourly Earnings, by State: 1980 to 1986

[In dollars]

Division and State	1980	1981	1982	1983	1984	1985	1986
U.S	7.27	7.99	8.49	8.83	9.19	9.53	9.73
N.E.:							
ME	6.00	6.66	7.22	7.61	8.05	8.40	8.65
NH	5.87	6.41	6.94	7.42	7.86	8.39	8.80
VT	6.14	6.79	7.35	7.86	8.03	8.41	8.83
MA	6.51	7.01	7.56	8.01	8.50	9.00	9.24
RI	5.59	6.10	6.61	6.92	7.33	7.59	7.90
CT	7.06	7.67	8.23	8.76	9.22	9.57	10.07
M.A.:							
NY	7.16	7.84	8.35	8.84	9.22	9.67	9.92
NJ	7.31	8.05	8.86	9.11	9.50	9.86	10.13
PA	7.59	8.30	8.63	8.95	9.28	9.57	9.74
E.N.C.:							
OH	8.57	9.53	10.07	10.56	10.96	11.38	11.56
IN	8.49	9.37	9.79	10.10	10.45	10.71	10.81
IL	8.02	8.91	9.31	9.70	10.08	10.37	10.67
MI	9.52	10.53	11.18	11.62	12.18	12.64	12.80
WI	8.03	8.80	9.37	9.78	10.03	10.26	10.35
W.N.C.:							
MN	7.81	8.40	9.11	9.56	9.75	10.05	10.20
IA	8.87	9.60	10.01	10.09	10.24	10.32	10.33
MO	7.26	7.90	8.48	8.89	9.31	9.57	9.80
ND	6.56	7.12	7.50	7.73	7.86	8.05	8.18
SD	6.50	7.12	7.36	7.31	7.14	7.43	7.72
NE	7.38	8.01	8.47	8.76	8.93	9.02	9.26
KS	7.37	8.05	8.80	9.23	9.38	9.45	9.74
S.A.:							
DE	7.58	8.26	8.64	9.19	9.28	9.86	10.11
MD	7.61	8.39	8.78	9.02	9.45	9.73	9.96
DC [1]	8.46	8.86	9.37	9.75	10.10	10.48	10.28
S.A.—Con.							
VA	8.22	8.64	7.37	7.79	8.10	8.51	8.64
WV	8.08	8.80	9.40	9.74	9.93	10.24	10.38
NC	5.37	5.94	6.35	6.86	7.01	7.29	7.54
SC	5.59	6.18	6.66	7.03	7.28	7.61	7.92
GA	5.77	6.37	6.75	7.13	7.58	8.10	8.34
FL	5.96	6.53	7.02	7.33	7.62	7.86	8.02
E.S.C.:							
KY	7.34	7.86	8.38	8.79	9.26	9.53	9.86
TN	6.06	6.72	7.18	7.49	7.93	8.29	8.58
AL	6.49	7.01	7.33	7.58	7.97	8.48	8.64
MS	5.44	6.01	6.41	6.70	6.95	7.22	7.46
W.S.C.:							
AR	5.71	6.26	6.69	7.05	7.31	7.57	7.76
LA	7.74	8.58	9.36	9.79	10.06	10.43	10.80
OK	7.36	8.20	8.69	9.21	9.64	9.86	9.80
TX	7.15	7.95	8.80	8.86	9.04	9.41	9.65
Mt.:							
MT	8.78	9.09	9.86	10.44	10.76	10.95	10.95
ID	7.55	8.23	8.62	8.96	9.34	9.41	9.66
WY	7.01	7.89	8.62	8.73	9.14	9.64	9.70
CO	7.63	8.28	8.63	8.97	9.24	9.52	9.81
NM	5.79	6.54	7.22	7.60	7.97	8.41	8.78
AZ	7.29	8.02	8.73	8.99	9.09	9.48	9.64
UT	7.02	7.74	8.40	8.69	8.92	9.64	10.05
NV	7.72	8.42	8.80	9.02	9.12	9.15	9.36
Pac.:							
WA	(NA)	(NA)	11.23	11.42	11.57	11.63	11.77
OR	8.65	9.47	10.02	10.25	10.44	10.50	10.56
CA	7.70	8.56	9.24	9.52	9.77	10.12	10.37
AK	10.22	11.42	11.74	12.33	12.25	12.19	11.62
HI	6.83	7.53	7.97	8.23	8.35	8.65	8.86

NA Not available. [1] Represents Washington, DC metropolitan area.

Source: U.S. Bureau of Labor Satistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

No. 650. Average Annual Pay, by State: 1984 to 1986

[**In dollars except percent change.** For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 90 percent of total civilian employment. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most States, railroad employees, most domestic workers, employees of certain nonprofit organizations and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Minus sign (–) indicates decrease]

State	Average annual pay			Percent change	
	1984	1985	1986 [1]	1984–1985	1985–1986
U.S	18,353	19,185	19,986	4.5	4.1
AL	16,203	17,023	17,638	5.1	3.6
AK	26,806	26,699	26,442	–.4	–.9
AZ	17,349	18,037	18,870	4.0	4.8
AR	14,973	15,553	16,162	3.9	3.9
CA	19,896	20,950	21,995	5.3	5.0
CO	18,797	19,569	20,275	4.1	3.6
CT	20,010	21,226	22,518	6.1	6.1
DE	18,505	19,150	19,839	3.5	3.6
DC	25,121	26,160	27,137	4.1	3.7
FL	16,164	16,958	17,679	4.8	4.2
GA	16,954	17,912	18,746	5.7	4.7
HI	16,701	17,329	18,101	3.8	4.5
ID	15,793	16,353	16,692	3.5	1.5
IL	19,722	20,601	21,452	4.5	4.1
IN	17,832	18,501	19,024	3.8	2.8
IA	15,666	16,097	16,598	2.7	3.1
KS	16,875	17,331	17,934	3.9	3.5
KY	16,627	16,941	17,357	1.9	2.5
LA	17,766	18,216	18,290	2.5	.4
ME	14,850	15,429	16,326	3.9	5.8
MD	18,155	19,092	20,121	5.2	5.4
MA	18,414	19,627	20,925	6.6	6.6
MI	20,931	21,884	22,720	4.5	3.8
MN	18,043	18,818	19,630	4.3	4.3
MS	14,399	14,951	15,420	3.8	3.1
MO	17,600	18,336	18,915	4.2	3.1
MT	15,560	15,932	16,085	2.4	1.0
NE	15,162	15,618	16,106	3.0	3.1
NV	17,565	18,179	18,739	3.5	3.1
NH	16,164	17,205	18,303	6.4	6.4
NJ	19,871	21,077	22,309	6.1	5.8
NM	16,426	16,969	17,301	3.4	1.8
NY	20,752	21,901	23,200	5.5	5.9
NC	15,426	16,226	17,001	5.2	4.8
ND	15,299	15,588	15,778	2.0	1.2
OH	16,766	19,433	19,902	3.4	2.4
OK	17,812	18,196	18,345	3.3	.8
OR	17,392	17,837	18,322	2.8	2.7
PA	17,931	18,649	19,404	4.0	4.1
RI	16,150	16,864	17,733	4.4	5.2
SC	15,305	15,944	16,600	4.2	4.1
SD	13,530	13,967	14,477	3.4	3.5
TN	16,217	16,967	17,661	4.7	4.0
TX	18,860	19,818	19,934	4.0	1.8
UT	17,174	17,577	17,863	2.3	1.6
VT	15,264	16,023	16,857	5.0	5.2
VA	17,271	18,089	18,972	4.7	4.9
WA	18,362	18,949	19,645	3.1	3.7
WV	17,479	18,019	18,405	3.1	2.1
WI	17,026	17,594	18,202	3.3	3.5
WY	18,318	18,950	18,969	3.4	.1

[1] Preliminary, revised since originally published.

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 1985*, and USDL News Release 87-377, *Average Annual Pay by State and Industry, 1987*.

Digitized by Google

No. 651. Full-Time Wage and Salary Workers—Number and Median Weekly Earnings, by Selected Characteristic: 1983 to 1986

[In current dollars of usual weekly earnings. Data represent annual averages of quarterly data. Data revised since previously published. See text, section 13 for a discussion of occupation data. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

Characteristic	Number of workers (1,000)				Median weekly earnings			
	1983	1984	1985	1986	1983	1984	1985	1986
All workers	**70,976**	**74,912**	**77,002**	**78,727**	**$313**	**$326**	**$343**	**$358**
Male	42,309	44,654	45,589	46,233	378	391	406	419
16 to 24 years old	6,702	7,153	6,956	6,822	223	231	240	245
25 years old and over	35,697	37,501	38,632	39,410	406	422	442	462
Female	28,667	30,258	31,414	32,494	252	265	277	290
16 to 24 years old	5,345	5,538	5,621	5,513	197	203	210	218
25 years old and over	23,322	24,720	25,793	26,981	267	282	296	308
White	61,739	64,889	66,481	67,779	319	336	355	370
Male	37,378	39,331	40,030	40,471	387	400	417	433
Female	24,361	25,558	26,452	27,308	254	268	281	294
Black	7,373	8,023	8,393	8,654	261	269	277	291
Male	3,883	4,227	4,367	4,464	293	302	304	318
Female	3,490	3,797	4,026	4,190	231	241	252	265
Family relationship:								
Husbands	28,720	29,932	30,260	30,491	410	429	455	475
Wives	14,884	15,821	16,270	16,820	257	272	285	299
Women who maintain families	3,948	4,220	4,393	4,512	256	266	278	290
Men who maintain families	1,331	1,212	1,313	1,411	377	380	396	397
Occupation:								
Managerial and professional	17,451	18,580	19,381	20,095	437	468	488	505
Exec., admin., managerial	8,117	8,856	9,328	9,777	460	493	497	511
Professional specialty	9,334	9,725	10,053	10,317	422	455	481	500
Tech. sales, and admin. support	21,641	22,590	23,425	24,060	281	295	307	320
Tech. and related support	2,574	2,664	2,762	2,821	357	379	398	418
Sales	6,313	6,850	7,156	7,395	306	319	335	351
Admin. support, incl. clerical	12,755	13,076	13,507	13,844	263	275	286	300
Service	7,321	7,624	7,910	8,061	205	212	216	223
Private household	278	338	342	334	117	134	132	121
Protective	1,453	1,457	1,483	1,589	344	365	381	382
Other service	5,590	5,828	6,085	6,138	191	199	203	209
Precision production [1]	9,983	10,644	10,932	10,851	377	384	397	408
Mechanics and repairers	3,538	3,707	3,897	3,723	376	398	400	414
Construction trades	3,011	3,249	3,361	3,469	374	383	393	401
Other	3,414	3,687	3,674	3,659	382	379	398	407
Operators, fabricators and laborers	13,319	14,129	14,067	14,342	275	287	295	301
Machine operators, assemblers, inspectors	6,990	7,299	7,181	7,254	283	277	287	293
Transportation and moving materials	3,358	3,651	3,648	3,684	328	344	360	356
Handlers, equipment cleaners, helpers, and laborers	2,970	3,179	3,238	3,404	243	251	251	263
Farming, forestry, fishing	1,280	1,345	1,288	1,318	196	203	212	217

[1] Including crafts and repair.

No. 652. Median Usual Weekly Earnings of Families, by Type of Family and Number of Workers: 1980 to 1986

[Annual averages of quarterly figures based on Current Population Survey; see text, section 1, and Appendix III. For families with wage and salary workers]

Family type and number of workers	Number of families (1,000)					Median usual weekly earnings (dollars)				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total families [1]	**41,162**	**40,701**	**40,944**	**41,616**	**42,101**	**400**	**471**	**499**	**522**	**543**
Married couple families	33,825	33,032	33,070	33,459	33,569	433	511	548	582	606
One worker	14,797	14,321	13,532	13,347	13,049	303	350	371	385	393
Husband	12,127	11,088	10,804	10,946	9,979	336	400	418	440	459
Wife	2,059	2,522	2,220	2,243	2,351	159	199	205	217	223
Other	611	712	708	758	719	163	190	197	204	210
Two workers or more [2]	19,028	18,710	19,537	20,112	20,520	535	645	682	715	744
Husband and wife only	12,990	12,983	13,564	14,019	14,347	507	615	650	684	712
Husband and other family member(s)	2,368	2,084	2,182	2,159	2,056	557	651	685	689	720
Wife and other family member(s)	426	529	496	514	532	350	392	424	454	480
Families maintained by women	5,690	5,956	6,294	6,470	6,716	222	269	284	297	307
One worker	4,022	4,190	4,343	4,397	4,607	184	218	227	234	242
Two or more workers	1,868	1,766	1,951	2,073	2,110	370	440	455	487	489
Families maintained by men	1,647	1,713	1,581	1,688	1,814	360	410	421	450	464
One worker	1,016	1,066	963	1,031	1,133	283	321	334	346	353
Two or more workers	631	647	618	656	681	502	587	611	625	637

[1] Excludes families where the husband, wife, or householder is self-employed. [2] Includes other combinations not shown separately.

Source of tables 651 and 652: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Digitized by Google

NO. 653. NUMBER OF WORKERS WITH EARNINGS AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1986

[Covers civilians 15 years old and over as of **March 1987**. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

MAJOR OCCUPATION GROUP OF LONGEST JOB HELD	ALL WORKERS				YEAR ROUND FULL-TIME					
	Women		Men		Women		Men		Ratio: Women to men	
	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number	Median earnings
Total [1]	**57,686**	**$10,016**	**68,728**	**$18,782**	**26,420**	**$16,232**	**45,912**	**$25,256**	**.62**	**.64**
Executive, administrators, and managerial	5,182	19,133	8,494	32,071	3,911	21,432	7,265	34,962	.54	.61
Professional specialty	8,051	18,198	7,620	31,654	4,590	23,078	6,061	35,143	.76	.66
Technical and related support	1,702	16,014	1,797	25,213	1,094	19,236	1,355	27,880	.81	.69
Sales	7,745	5,475	7,424	21,076	2,686	12,956	5,368	26,803	.50	.48
Admin. support, incl. clerical	16,239	11,581	3,894	17,679	9,305	15,509	2,699	22,718	3.45	.68
Precision production, craft and repair	1,351	11,807	13,494	19,710	752	18,810	9,174	24,281	.08	.69
Machine operators, assemblers, and inspectors	3,808	9,373	5,091	17,056	1,988	12,324	3,459	20,551	.57	.60
Transportation and material moving	458	8,327	4,637	17,460	131	14,310	2,999	21,770	.04	.66
Handlers, equipment cleaners, helpers, and laborers	1,022	5,883	5,112	7,872	318	12,198	2,055	17,694	.15	.69
Service workers	11,431	4,529	7,197	9,319	3,456	10,367	3,630	17,332	.95	.60
Private household	1,347	1,549	81	(B)	189	8,638	4	(B)	47.25	(X)
Service, except private household	10,084	5,155	7,136	9,488	3,267	10,568	3,626	17,345	.90	.61
Farming, forestry, and fishing	697	2,271	3,790	4,908	182	8,032	1,760	10,748	.10	.75

B Base less than 75,000. X Not applicable. [1] Includes persons whose longest job was in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 158.

NO. 654. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1987, AND COVERAGE IN 1986

[Employee estimates as of **September 1986**, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals]

IN EFFECT	MINIMUM RATES FOR NONFARM WORKERS			Minimum rates for farm workers [4]	SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1986				
							Subject to minimum wage rates			
	Laws prior to 1966 [1]	Percent, avg. earnings [2]	1966 and later [3]			Total (1,000)	Total (1,000)	Percent of total	Prior to 1966 [5] [7] (1,000)	1966 and later [5] [7] (1,000)
Jan. 25, 1950	$.75	54	(X)	(X)	**Total**	**85,417**	**74,680**	**87.4**	**47,630**	**27,050**
Mar. 1, 1956	1.00	52	(X)	(X)						
Sept. 3, 1961	1.15	50	(X)	(X)	Male	44,734	39,007	87.2	26,432	12,575
Sept. 3, 1963	1.25	51	(X)	(X)	Female	40,683	35,673	87.7	21,198	14,475
Feb. 1, 1967	1.40	50	$1.00	$1.00	White	75,125	65,449	87.1	42,549	22,900
Feb. 1, 1968	1.60	54	1.15	1.15	Black and other	10,292	9,231	89.7	5,081	4,150
Feb. 1, 1969	(*)	51	1.30	1.30	Black only	9,373	8,408	89.7	4,638	3,770
Feb. 1, 1970	(*)	49	1.45	(*)						
Feb. 1, 1971	(*)	46	1.60	(*)	**Private industry**	**75,134**	**64,397**	**85.7**	**47,630**	**16,767**
					Agriculture [6]	1,564	602	38.5	-	602
May 1, 1974	2.00	46	1.90	1.60	Mining	655	651	99.4	651	-
Jan. 1, 1975	2.10	45	2.00	1.80	Construction	4,787	4,765	99.5	3,973	792
Jan. 1, 1976	2.30	46	2.20	2.00	Manufacturing	17,053	16,581	97.2	16,478	103
Jan. 1, 1977	(5)	42	2.30	2.20	Transp., public utilities	4,758	4,727	99.3	4,649	78
Jan. 1, 1978	2.65	44	2.65	2.65	Wholesale trade	5,044	4,023	79.8	3,774	249
Jan. 1, 1979	2.90	45	2.90	2.90	Retail trade	16,357	13,931	85.2	7,109	6,822
Jan. 1, 1980	3.10	44	3.10	3.10	Finance, insurance, real estate	5,473	4,150	75.8	3,988	162
Jan. 1, 1981	3.35	43	3.35	3.35	Service [6]	17,899	13,942	77.9	7,008	6,934
Mar. 1, 1987	(*)	34	(*)	(*)	Private households	1,544	1,025	66.4	-	1,025
					Government [6] [10]	10,283	10,283	100.0	-	10,283

- Represents zero. X Not applicable. [1] Applies to workers covered prior to 1961 Amendments and, after Sept. 1965, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were: Sept. 1961, $1.00; Sept. 1964, $1.15; and Sept. 1965, $1.25. [2] Percent of gross average hourly earnings of production workers in manufacturing. [3] Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. [4] Included in coverage as of 1966, 1974, and 1977 Amendments. [5] No change in rate. [6] Includes workers in retail-service establishments with less than $250,000 in gross annual sales which are part of enterprises covered under criteria in effect prior to the 1966 Amendments. These workers became subject under the 1974 Amendments. [7] Currently employed workers subject to provisions. [8] Estimates based on average employment for the ten-month active season. [9] Estimates for educational services in private industry and government relate to October. [10] Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act*, 1981, annual; and unpublished data.

Digitized by Google

No. 655. Employment Cost Index (ECI), by Industry and Occupation: 1981 to 1986

[The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted. Beginning June 1986, based on fixed employment counts from the 1980 Census of Population; 1981–1985 based on 1970 Census of Population]

Item	Indexes (June 1981 = 100)							Percent change for 12 months ending—				
	Dec. 1981	Dec. 1982	Dec. 1983	Dec. 1984	Dec. 1985	June 1986	Dec. 1986	Dec. 1982	Dec. 1983	Dec. 1984	Dec. 1985	Dec. 1986
Civilian workers [1]	**104.5**	**111.4**	**117.8**	**123.9**	**129.2**	**131.5**	**133.8**	**6.6**	**5.7**	**5.2**	**4.3**	**3.6**
Workers, by occupational group:												
White-collar workers	104.9	111.9	118.9	125.5	131.8	134.2	136.9	6.7	6.3	5.6	4.9	4.0
Blue-collar workers	104.1	110.5	115.8	120.9	124.9	126.8	128.4	6.1	4.8	4.4	3.3	2.8
Service workers	104.2	112.4	119.1	126.8	131.8	133.7	136.6	7.9	6.0	6.5	3.9	3.6
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	126.7	130.1	6.2	5.1	5.2	3.3	3.3
Nonmanufacturing	104.8	111.8	118.6	124.8	130.8	132.8	135.4	6.7	6.1	5.2	4.6	3.7
Services	107.1	115.0	122.6	130.9	137.1	139.4	143.6	7.4	6.6	6.8	4.7	4.7
Public administration [2]	106.0	113.6	121.4	126.8	134.8	138.0	141.6	7.2	6.9	5.9	4.8	5.0
Private industry workers [3]	**104.0**	**110.7**	**117.0**	**122.7**	**127.5**	**129.9**	**131.6**	**6.4**	**5.7**	**4.9**	**3.9**	**3.2**
Workers, by occupational group:												
White-collar workers	104.0	110.8	117.9	123.9	129.8	132.5	134.3	6.5	6.4	5.1	4.8	3.5
Blue-collar workers	104.0	110.3	115.7	120.6	124.4	126.3	127.8	6.1	4.9	4.2	3.2	2.7
Service workers	103.1	111.8	117.9	125.7	129.5	131.1	133.5	8.4	5.5	6.6	3.0	3.1
Workers, by industry division:												
Manufacturing	104.0	110.4	116.0	122.0	126.0	128.7	130.1	6.2	5.1	5.2	3.3	3.3
Nonmanufacturing	103.9	110.8	117.5	123.1	128.4	130.6	132.4	6.6	6.0	4.8	4.3	3.1
Workers by bargaining status:												
Union	104.8	112.3	118.8	123.9	127.1	128.7	129.8	7.2	5.8	4.3	2.6	2.1
Non-union	103.5	109.7	115.9	121.9	127.5	130.2	132.1	6.0	5.7	5.2	4.8	3.6
State and local government workers	**107.4**	**115.1**	**122.0**	**130.1**	**137.5**	**139.7**	**144.7**	**7.2**	**6.0**	**6.6**	**5.7**	**5.2**
Workers, by occupational group:												
White-collar workers	107.6	115.8	122.6	131.1	138.6	140.5	146.0	7.4	5.9	6.9	5.7	5.3
Blue-collar workers	105.9	113.0	119.2	125.9	132.7	136.3	139.5	6.7	5.5	5.6	5.4	5.1
Workers, by industry division:												
Services	107.9	115.9	122.6	131.3	139.1	140.8	146.6	7.4	5.8	7.1	5.9	5.4
Schools	107.9	115.8	122.8	132.0	140.3	141.7	148.4	7.3	5.9	7.7	6.3	5.6
Elementary and secondary	108.3	116.6	123.9	133.5	142.0	143.2	150.3	7.7	6.3	7.7	6.4	5.8
Hospitals and other services [4]	107.6	116.0	122.6	129.2	135.2	137.9	141.1	7.8	5.7	5.4	4.6	4.4
Public administration [2]	106.0	113.6	121.4	126.6	134.8	138.0	141.8	7.2	6.9	5.9	4.8	5.0

[1] Includes private industry and State and local government workers and excludes farm, household, and Federal government workers. [2] Consists of legislative, judicial, administrative, and regulatory activities. [3] Excludes farm and household workers. [4] Includes library, social, and health services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly.

No. 656. Employees With Employer- or Union-Provided Pension Plans, or Group Health Plans, by Occupation and Industry: 1985

[**In thousands, except percent.** For civilian wage and salary workers 15 years old and over as of **March 1986.** Based on Current Population Survey; see text, section 1, and Appendix III]

Occupation	Total	With pension plans		With group health plans	
		Number	Percent	Number	Percent
Total [1]	**114,410**	**48,950**	**42.8**	**68,914**	**60.2**
Managerial and professional specialty	25,444	15,601	61.3	19,460	76.5
Executive, admin. and managerial	11,790	7,008	59.4	9,449	80.1
Prof. specialty	13,654	8,593	62.9	10,011	73.3
Technical, sales and admin. support	36,158	14,922	41.3	21,589	59.7
Service workers	17,415	3,795	21.8	5,800	33.3
Pvt. household	1,420	7	.5	29	2.0
Service, exc. pvt. household	15,996	3,788	23.7	5,771	36.1
Farming, forestry and fishing	2,881	271	9.4	599	20.8
Precision prod., craft, and repair	13,187	6,397	48.5	9,348	70.9
Operatives, fabricators and laborers	19,177	7,900	41.2	12,038	62.8

Industry	Total	With pension plans		With group health plans	
		Number	Percent	Number	Percent
Total [1]	**114,410**	**48,950**	**42.8**	**68,914**	**60.2**
Agriculture, forestry, fisheries	2,429	259	10.7	594	24.5
Mining	1,094	617	56.4	898	82.1
Construction	8,866	2,305	33.6	3,726	54.3
Manufacturing	22,772	13,002	57.1	18,357	80.6
Transportation, public utilities	7,839	4,992	63.7	6,250	79.7
Wholesale trade	4,538	1,895	41.6	3,221	71.0
Retail trade	20,535	4,031	19.8	7,561	36.8
Finance, insurance, real estate	7,079	3,463	48.9	5,014	70.6
Business services	5,830	1,593	27.3	2,830	48.5
Personal services	4,690	482	10.3	1,061	22.6
Entertainment and recreation	1,592	257	16.1	474	29.8
Professional and related	23,436	11,753	50.1	14,587	62.2
Public administration	5,563	4,240	76.2	4,261	76.6

[1] Includes civilians whose longest job was in the Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 155.

Digitized by Google

No. 657. Employee Benefits in Medium and Large Firms: 1986

[For January through June. Covers full-time employees in private industry; excludes small firms (establishments with fewer than 50 to 250 employees, depending on the industry), executive management and traveling operating employees, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved. Based on sample survey of establishments]

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative employees	Technical and clerical employees	Production employees
Percent of employees participating in—				
Paid: Vacations	100	99	100	100
Holidays	99	99	100	98
Jury duty leave	93	96	96	90
Funeral leave	88	87	87	88
Rest time	72	58	69	82
Military leave	66	74	72	58
Sick leave	70	93	93	45
Personal leave	25	33	35	15
Lunch time	10	3	4	17
Insurance plans:				
Health	95	96	94	96
Noncontributory	54	52	45	61
Hospital/surgical [1]	94	94	94	95
Mental health care	94	94	94	94
Private duty nursing	89	92	91	87
Dental	67	71	68	65
Extended care facility	66	70	66	65
Home health care	63	67	66	58
Vision	38	37	39	38
Life	96	97	96	95
Noncontributory	87	87	87	86
Accident/sickness	49	28	35	69
Noncontributory	41	22	28	59
Long-term disability	48	68	60	30
Noncontributory	38	52	47	24
Retirement and savings plans:				
Defined benefit pension	76	78	78	74
Noncontributory	71	73	74	69
Defined contribution	60	71	70	49
Savings and thrift	28	39	36	17
Retirement and savings plans—Con.				
Employee stock ownership	30	32	32	27
Profit sharing	22	22	22	22
Money purchase pension	2	2	1	2
Stock purchase	3	4	3	2
Additional benefits: [2]				
Parking	86	82	77	92
Educational assistance	76	86	84	68
Employee discounts	57	54	61	56
Travel accident insurance	52	72	63	36
In-house infirmary	46	47	38	50
Severance pay	45	61	57	31
Relocation allowance	43	82	41	24
Recreation facilities	33	37	31	32
Subsidized meals	21	26	26	16
Nonproduction bonuses, cash	20	22	20	19
Gifts, non-cash	14	14	14	14
Financial counseling	11	13	14	8
Supplemental unemployment benefits	8	4	3	13
Subsidized commuting	5	8	7	3
Prepaid legal services	3	2	2	5
Child care	1	2	1	1
Flexible benefits plans	2	4	2	1
Reimbursement accounts [3]	5	9	7	1
Mean number of—				
Paid holidays	10.0	10.2	9.8	10.0
Paid vacation days after—				
1 year	8.8	10.1	9.6	7.5
3 years	10.5	11.0	10.5	10.2
5 years	12.7	13.5	13.0	12.0
10 years	15.8	16.5	16.0	15.3
15 years	18.5	19.0	18.9	17.9
20 years	20.6	21.2	20.7	20.3
25 years	22.2	22.7	22.5	21.7

[1] Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. [2] 1985 data, except flexible benefit plans and reimbursement accounts for 1986. [3] Account which is used throughout the year to pay for plan premiums or to reimburse the employee for benefit related expenses. Account may be financed by employer, employee, or both.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in Medium And Large Firms, 1985* and *1986*, Bulletins 2262 and 2281.

No. 658. Work Disability Status, by Occupation, Health and Pension Coverage, and Industry: 1987

[In thousands, except percent. As of March. For civilian noninstitutional population, 16–64 years old]

OCCUPATION AND COVERAGE	WITH A WORK DISABILITY		WITH NO WORK DISABILITY	
	Number	Percent	Number	Percent
Total employed	**3,785**	**3.5**	**103,088**	**96.5**
OCCUPATION				
Managerial, prof. specialty	679	2.5	26,175	97.5
Tech. sales, adm. support	1,045	3.1	32,467	96.9
Service	697	4.9	13,554	95.1
Farm, forest, fish	135	4.7	2,742	95.3
Precision production, craft and repair	535	4.1	12,390	95.9
Operators, fabricators, laborers	695	4.2	15,762	95.8
[3]				
COVERAGE				
Worked in 1986	3,515	3.4	101,147	96.6
Covered by—				
Both health and pension	1,134	2.7	41,474	97.3
Health only	512	2.9	17,278	97.1
Pension only	108	2.7	3,946	97.3

INDUSTRY	WITH A WORK DISABILITY		WITH NO WORK DISABILITY	
	Number	Percent	Number	Percent
Agriculture	126	4.7	2,560	95.3
Forestry and fisheries	11	5.8	178	94.2
Mining	21	2.6	782	97.4
Construction	269	4.3	6,446	95.7
Manufacturing	621	3.1	19,496	96.9
Durable goods	384	3.2	11,623	96.8
Nondurable goods	236	2.9	7,873	97.1
Transp., communication, and other public utilities	270	3.6	7,237	96.4
Wholesale trade	156	3.6	4,228	96.4
Retail trade	598	3.3	17,402	96.7
Finance, insurance, and real estate	177	2.5	6,991	97.5
Services [3]	1,351	3.9	32,932	96.1
Business services	211	4.6	4,342	95.4
Personal services	242	6.0	3,778	94.0
Public administration	166	3.4	4,836	96.6

[1] Includes industries not shown separately.

Source: U.S. Bureau of the Census, unpublished data.

Digitized by Google

NO. 659. MAJOR COLLECTIVE BARGAINING AGREEMENTS—AVERAGE PERCENT EFFECTIVE WAGE ADJUSTMENTS: 1975 TO 1986

[In percent, except as indicated. Data represent all wage adjustments implemented under the terms of private nonfarm industry agreements affecting 1,000 workers or more. Series cover production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Effective wage adjustment data measure all wage changes effective in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living adjustment (COLA) clauses]

ADJUSTMENTS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total effective adjustments (prorated over all workers)	8.7	8.1	8.0	8.2	9.1	9.9	9.5	6.8	4.0	3.7	3.3	2.3
Source:												
Current settlements	2.8	3.2	3.0	2.0	3.0	3.6	2.5	1.7	.8	.8	.7	.5
Prior agreements	3.7	3.2	3.2	3.7	3.0	3.5	3.8	3.6	2.5	2.0	1.8	1.7
COLA	2.2	1.6	1.7	2.4	3.1	2.8	3.2	1.4	.6	.9	.7	.2
Industry:												
Manufacturing	8.5	8.5	8.4	8.6	9.6	10.2	9.4	5.2	2.7	4.3	2.8	1.5
Nonmanufacturing	8.9	7.7	7.6	7.9	8.6	9.7	9.5	7.9	4.8	3.3	3.6	2.9
Construction	8.1	7.2	6.5	6.5	7.1	9.9	11.2	9.7	4.4	2.9	3.0	3.0
Transportation and public utilities	9.7	7.8	8.5	8.2	11.2	10.8	8.6	7.1	4.4	3.0	3.6	2.7
Wholesale and retail trade	9.2	8.8	8.7	8.4	6.7	7.6	8.1	6.8	5.1	3.4	3.3	2.9
Services	6.4	5.7	6.7	6.8	7.0	8.1	9.6	7.8	7.0	4.9	5.1	3.7
Nonmanufacturing, excluding construction	9.3	7.9	8.1	8.5	9.5	9.6	8.8	7.1	5.0	3.4	3.7	2.9
Effective wage change for workers receiving change	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	9.6	7.2	4.7	4.4	4.1	2.8
Source:												
Current settlements							9.8	7.4	2.8	3.0	3.4	1.5
Prior agreements							5.3	6.3	5.9	4.0	3.7	3.9
COLA							6.1	3.1	2.1	2.7	2.2	1.0
Total number of workers receiving wage change (mil.)							8.6	7.9	6.5	6.2	5.6	5.4
Source (mil.):												
Current settlements							2.3	1.9	2.3	1.9	1.4	1.9
Prior agreements							6.3	4.8	3.3	3.7	3.4	2.8
COLA							4.5	3.8	2.3	2.5	2.3	1.4
Number of workers not receiving a wage change (mil.)							.1	.5	1.2	1.1	1.4	1.2

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

NO. 660. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—AVERAGE PERCENT ADJUSTMENTS IN WAGES AND COMPENSATION NEGOTIATED: 1975 TO 1986

[In percent, except as indicated. Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Wage data cover units with 1,000 workers or more. Compensation data relate to units of 5,000 or more. Data relate to contracts negotiated in each calendar year but exclude possible adjustments in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not. Minus sign (−) indicates decrease]

ADJUSTMENTS	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Compensation:												
First year	11.4	8.5	9.6	8.3	9.0	10.4	10.2	3.2	3.4	3.6	2.6	1.1
Over life of contract [1]	8.1	8.6	8.2	8.3	8.6	7.1	8.3	2.8	3.0	2.8	2.7	1.8
Wage-rates:												
All industries:												
First year	10.2	8.4	7.8	7.6	7.4	9.5	9.8	3.8	2.6	2.4	2.3	1.2
Contracts with COLA	12.2	8.4	8.0	6.9	6.2	8.0	8.0	2.2	1.9	2.9	1.6	1.9
Contracts without COLA	9.1	8.3	7.8	8.0	9.1	11.7	10.8	7.0	3.3	2.1	2.7	.9
Over life of contract [1]	7.8	8.4	5.8	6.4	6.0	7.1	7.9	3.6	2.8	2.4	2.7	1.8
Contracts with COLA	7.1	5.7	5.0	5.3	4.8	5.0	5.5	2.1	2.0	1.8	2.5	1.7
Contracts without COLA	8.3	7.3	6.9	7.1	8.0	10.3	8.8	6.8	3.7	2.7	2.8	1.8
Manufacturing:												
First year	9.8	8.9	8.4	8.3	6.9	7.4	7.2	2.8	.4	2.3	.8	−1.2
Over life of contract [1]	8.0	8.0	5.5	8.8	5.4	5.4	6.1	2.8	2.1	1.5	1.8	.2
Nonmanufacturing:												
First year	10.4	7.7	7.4	7.4	8.0	10.9	11.2	4.8	3.8	2.5	3.3	2.0
Over life of contract [1]	7.8	8.8	8.0	8.4	8.8	8.3	8.8	4.7	3.2	2.9	3.3	2.3
Number of workers affected (mil.)	2.9	4.1	4.0	2.5	3.5	3.8	2.4	3.3	3.1	2.3	2.2	2.5
Manufacturing (mil.)	.8	2.1	1.8	.8	1.9	1.8	.8	1.7	1.1	.9	.9	.6
Nonmanufacturing (mil.)	2.1	2.0	2.4	2.0	1.8	2.2	1.6	1.8	2.0	1.4	1.3	1.9

[1] Average annual rate of change.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

Digitized by Google

No. 661. Major Collective Bargaining Settlements—Selected Characteristics by Contract Duration: 1986

[**Number of workers in thousands.** For settlements reached in 1986 affecting 1,000 or more workers. For private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries]

Characteristic	All contracts	Contract duration (months)					
		Less than 12	12	Between 12 and 24	24	Between 24 and 36	36	More than 36
Number of settlements	568	14	35	34	61	105	196	123
Number of workers	2,486	34	111	77	224	636	693	711
Average duration of settlement	32.0	10.1	12.0	16.4	24.0	31.4	36.0	37.1
Percent wage adjustment in—								
First year of contract	1.2	2.1	.6	1.7	−.3	1.4	2.0	.7
Second year of contract [1]	2.1	(x)	(x)	.4	3.1	2.3	2.3	1.7
Third year of contract [2]	1.9	(x)	(x)	(x)	(x)	1.6	2.5	1.7
Over life of contract [3]	1.8	3.2	.6	1.4	1.3	2.0	2.3	1.4

X Not applicable. [1] For settlements with a duration of greater than 12 months. [2] For settlements with a duration of greater than 24 months. [3] Average annual percent adjustment.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March 1987.

No. 662. Work Stoppages: 1960 to 1986

[Excludes work stoppages involving fewer than 1,000 workers and lasting less than 1 day. Information is based on reports of labor disputes appearing in daily newspapers, trade journals, and other public sources. The parties to the disputes are contacted by telephone, when necessary, to clarify details of the stoppages]

Year	Number of work stoppages [1]	Workers involved [2] (1,000)	Days idle		Year	Number of work stoppages [1]	Workers involved [2] (1,000)	Days idle	
			Number [3] (1,000)	Percent estimated working time [4]				Number [3] (1,000)	Percent estimated working time [4]
1960	222	896	13,260	.09	1977	298	1,212	21,258	.10
1965	268	999	15,140	.10	1978	219	1,006	23,774	.11
1969	412	1,576	29,397	.16	1979	235	1,021	20,409	.09
1970	381	2,468	52,761	.29	1980	187	795	20,844	.09
1971	298	2,516	35,538	.19	1981	145	729	16,908	.07
1972	250	975	16,764	.09	1982	96	656	9,061	.04
1973	317	1,400	16,260	.08	1983	81	909	17,461	.08
1974	424	1,796	31,809	.16	1984	62	376	6,499	.04
1975	235	965	17,563	.09	1985	54	324	7,079	.03
1976	231	1,519	23,962	.12	1986	69	533	11,861	.05

[1] Beginning in year indicated. [2] Workers counted more than once if involved in more than 1 stoppage during the year. [3] Resulting from all stoppages in effect in a year, including those that began in an earlier year. [4] Agricultural and government employees are included in the total working time; private household, forestry and fishery employees are excluded.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

No. 663. Workers Killed or Disabled on the Job, 1960 to 1986, and by Industry Group, 1986

[**1986 data are preliminary estimates.** Estimates based on data from U.S. National Center for Health Statistics, State departments of health, and State industrial commissions. Numbers of workers based on data from U.S. Bureau of Labor Statistics]

Year	Deaths						Disabling injuries [2] (1,000)
	Total		Manufacturing		Nonmanufacturing		
	Number (1,000)	Rate [1]	Number (1,000)	Rate [1]	Number (1,000)	Rate [1]	
1960	13.8	21	1.8	10	12.1	25	1,950
1965	14.1	20	1.8	10	12.3	24	2,100
1970	13.8	16	1.7	9	12.1	21	2,200
1975	13.0	15	1.8	9	11.4	17	2,200
1980	13.2	13	1.7	8	11.5	15	2,200
1983	11.7	12	1.2	6	10.5	13	1,900
1984	11.5	11	1.1	6	10.4	12	1,900
1985	11.4	11	1.3	7	10.1	12	2,000
1986	10.7	10	1.1	6	9.6	11	1,800

Year and industry group	Deaths		Disabling injuries [2] (1,000)
	Number (1,000)	Rate [1]	
1986, total	**10.7**	**10**	**1,800**
Agriculture [3]	1.7	52	170
Mining and quarrying	.4	50	40
Construction	2.1	33	220
Manufacturing	1.1	6	310
Transportation and utilities	1.5	27	160
Trade [4]	1.1	4	310
Service [5]	1.5	5	350
Government	1.3	8	240

[1] Per 100,000 workers. [2] Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. [3] Includes forestry and fishing. [4] Includes wholesale and retail trade. [5] Includes finance, insurance and real estate.

Source: National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

Digitized by Google

No. 664. Occupational Injury and Illness Incidence Rates, Selected Industries: 1975 to 1985

[**Rates per 100 full-time employees.** For nonfarm employment data, see table 642. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year). Based on the 1972 *Standard Industrial Classification (SIC) Manual*]

SIC [1] CODE	INDUSTRY	TOTAL CASES [2]			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS	
		1975	1980	1985	1975	1980	1985	1975	1980	1985	1980	1985
(x)	**Private sector** [3]	9.1	8.7	7.9	3.3	4.0	3.6	5.8	4.7	4.3	95.2	84.9
A	**Agriculture, forestry, fishing** [3]	10.5	11.9	11.4	4.4	5.8	5.7	6.0	6.1	5.6	82.7	91.3
B	**Mining**	11.0	11.2	8.4	5.6	6.5	4.8	5.4	4.6	3.6	163.6	145.3
10	Metal mining	6.5	6.9	6.1	4.4	5.5	3.3	2.1	3.4	2.7	129.3	113.5
11	Anthracite mining	28.4	13.8	6.7	10.2	6.5	7.0	18.1	5.2	1.5	276.7	445.8
12	Bituminous coal and lignite	10.6	10.1	6.6	6.4	6.3	5.1	4.3	1.6	1.5	252.3	199.2
13	Oil and gas extraction	14.0	13.4	10.1	6.2	6.7	5.3	7.7	6.6	4.8	152.7	143.8
14	Nonmetallic minerals, exc. fuels	6.0	5.4	3.9	3.5	3.6	2.6	2.4	1.8	1.3	88.8	87.3
C	**Construction**	15.9	15.7	15.2	5.5	6.5	6.8	10.4	9.1	8.4	117.0	128.8
15	General building contractors	15.5	15.5	15.2	5.3	6.5	6.8	10.2	9.0	8.4	113.0	120.4
16	Heavy construction contractors	17.1	16.3	14.5	5.9	6.3	6.3	11.2	9.9	8.1	117.6	127.3
17	Special trade contractors	15.5	15.5	15.4	5.4	6.7	7.0	10.1	8.8	8.4	118.9	133.3
D	**Manufacturing**	13.9	12.2	10.4	4.5	5.4	4.6	8.5	6.8	5.8	86.7	80.2
(x)	Durable goods	14.2	12.9	10.9	4.8	5.6	4.7	9.4	7.3	6.2	90.9	82.0
24	Lumber and wood products	21.0	18.6	16.5	8.5	9.5	9.3	12.5	9.1	9.2	171.8	171.4
25	Furniture and fixtures	15.9	16.0	15.0	5.1	6.6	6.3	10.8	9.4	8.7	97.6	100.4
32	Stone, clay, and glass products	16.0	15.0	13.9	5.9	7.1	6.7	10.1	7.9	7.2	128.1	127.8
33	Primary metal industries	17.0	15.2	12.6	6.1	7.1	5.7	10.9	8.1	6.6	128.3	113.8
34	Fabricated metal products	19.1	18.5	16.9	6.6	8.0	6.9	12.5	10.5	9.4	116.4	110.1
35	Machinery, exc. electric	14.9	13.7	10.8	4.6	5.5	4.2	10.3	8.2	6.6	81.3	69.3
36	Electric and electronic equipment	8.5	8.0	6.4	2.5	3.3	2.7	6.0	4.7	3.7	51.6	45.7
37	Transportation equipment	12.4	10.6	9.0	4.5	4.9	3.9	7.9	5.7	5.0	82.4	71.6
38	Instruments and related products	6.9	6.8	5.2	2.1	2.7	2.2	4.8	4.1	3.0	41.6	37.9
39	Miscellaneous	11.3	10.9	9.7	3.6	4.3	4.2	7.7	6.5	5.6	67.9	73.2
(x)	Nondurable goods	11.4	11.1	9.6	4.1	5.0	4.4	7.3	6.1	5.2	80.4	77.6
20	Food and kindred products	16.3	16.7	16.7	7.3	9.0	8.1	11.0	9.7	8.6	136.6	138.0
21	Tobacco manufactures	10.3	8.1	7.3	3.9	3.8	3.0	6.4	4.3	4.3	45.6	51.7
22	Textile mill products	10.2	9.1	7.5	2.5	3.3	3.0	7.7	5.8	4.5	62.8	57.4
23	Apparel and other textile products	6.0	6.4	6.7	1.6	2.2	2.6	4.3	4.2	4.1	34.9	44.1
26	Paper and allied products	13.3	12.7	10.2	4.1	5.6	4.7	9.1	6.9	5.5	112.3	94.6
27	Printing and publishing	6.7	6.9	6.3	2.4	3.1	2.9	4.3	3.8	3.5	46.5	49.2
28	Chemicals and allied products	8.4	6.8	5.1	2.9	3.1	2.3	5.5	3.7	2.8	50.3	36.8
29	Petroleum and coal products	9.0	7.2	5.1	3.1	3.5	2.4	5.8	3.7	2.7	59.1	49.9
30	Rubber and misc. plastics products	15.7	15.5	13.4	6.7	7.4	6.3	9.0	8.1	7.1	118.6	107.4
31	Leather and leather products	11.2	11.7	10.3	3.8	5.0	4.6	7.4	6.7	5.7	82.7	86.3
E	**Transportation, public utilities**	9.4	9.4	8.6	4.7	5.5	5.0	4.7	3.8	3.6	104.5	107.1
40	Railroad transportation	8.5	11.1	6.4	4.9	7.2	5.8	3.6	3.8	2.6	107.6	92.0
41	Local passenger transit [4]	6.4	9.5	9.4	4.2	5.2	5.4	4.1	4.3	3.9	92.9	120.7
42	Trucking and warehousing	14.8	14.9	13.9	7.5	9.0	8.5	7.2	5.9	5.4	187.9	210.1
44	Water transportation	15.8	14.2	13.0	8.2	8.4	7.2	7.6	5.7	5.8	300.3	249.1
45	Air transportation	14.9	13.3	13.1	7.4	8.2	7.4	7.5	5.1	5.7	105.0	116.3
46	Pipelines, except natural gas	4.7	5.2	3.7	1.6	1.7	1.6	3.0	3.5	2.1	31.0	45.8
47	Transportation services	6.2	4.7	3.9	2.9	2.5	2.2	3.3	2.2	1.7	40.1	42.6
48	Communication	3.0	2.8	2.9	1.5	1.6	1.6	1.5	1.2	1.3	26.6	24.2
49	Electric, gas, sanitary services	9.3	6.6	6.9	3.7	4.3	3.4	5.6	4.2	3.5	70.8	62.4
F, G	**Wholesale and retail trade**	7.3	7.4	7.4	2.8	3.2	3.2	4.7	4.2	4.2	48.7	50.7
F	Wholesale trade	8.2	8.2	7.2	3.2	3.9	3.5	5.0	4.3	3.8	56.2	59.8
G	Retail trade	7.0	7.1	7.5	2.4	2.9	3.1	4.6	4.2	4.4	44.5	47.0
H	**Finance, insurance, real estate** [5]	2.2	2.0	2.0	.8	.8	.9	1.4	1.1	1.1	12.2	15.4
60	Banking	1.6	1.5	1.6	.6	.6	.7	1.2	.9	1.0	8.1	10.7
62	Security, commodity brokers	1.0	.6	.6	.4	.3	.3	.6	.5	.4	3.1	4.0
63	Insurance carriers	1.7	1.7	1.8	.6	.7	.8	1.1	1.0	1.0	10.8	16.0
64	Insurance agents, brokers, and service	(NA)	.6	.7	(NA)	.3	.3	(NA)	.5	.4	4.2	5.2
65	Real estate	5.0	4.4	4.2	1.9	2.2	2.1	3.1	2.2	2.1	32.8	34.6
I	**Services** [5]	5.5	5.2	5.4	2.0	2.3	2.6	3.5	2.9	2.8	35.8	45.4
70	Hotels and other lodgings	6.2	6.9	10.0	2.6	3.7	4.3	5.6	5.2	5.8	50.8	64.1
72	Personal services	3.3	2.9	2.9	1.3	1.3	1.5	2.0	1.6	1.5	22.6	26.4
73	Business services	5.0	4.4	4.7	2.0	2.1	2.2	3.0	2.3	2.5	31.1	46.6
75	Auto repair, services, and garages	9.0	7.5	6.5	3.4	3.3	3.2	5.6	4.2	3.3	47.8	51.5
76	Miscellaneous repair services	10.2	8.8	7.9	3.9	4.2	4.0	6.3	4.6	3.9	63.8	69.4
78	Motion pictures	3.4	4.7	4.1	1.0	1.6	1.6	2.4	3.1	2.6	31.6	31.7
79	Amusement, recreation services	8.6	9.2	8.2	2.8	3.8	3.5	5.7	5.4	4.6	53.8	51.2
80	Health services	6.6	6.4	7.1	2.5	3.1	3.6	4.3	3.3	3.5	47.4	63.2
81	Legal services	(NA)	.4	.6	(NA)	.2	.3	(NA)	.2	.3	(NA)	7.3
82	Educational services	3.5	3.3	3.4	1.4	1.4	1.4	2.0	1.9	2.0	18.6	22.6
83	Social services	5.2	5.1	6.0	2.0	2.2	2.6	3.2	2.9	3.3	32.3	45.0
84	Museums, botanical, zoological gardens	7.9	7.5	6.0	2.6	3.3	2.7	5.2	4.1	3.3	35.4	39.3
86	Membership organizations	3.0	3.4	(NA)	1.1	1.0	(NA)	1.9	2.4	(NA)	24.6	(NA)
89	Miscellaneous services	2.3	1.6	1.7	.7	.7	.7	1.6	.9	1.0	10.8	8.3

NA Not available. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] "Cases" represents occurrences. Includes fatalities for all employers. [3] Excludes farms with fewer than 11 employees. [4] Includes interurban. [5] Includes categories not shown separately.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

Digitized by Google

No. 665. U.S. Membership in AFL-CIO Affiliated Unions by Selected Union: 1975 to 1987

[In thousands. Figures represent the labor organizations as constituted in 1987 and reflect past merger activity. Membership figures based on average per capita paid membership to the AFL-CIO for the 2-year period ending in June of the year shown and reflect only actively-employed members]

LABOR ORGANIZATION	1975	1979	1985	1987
Total [1]	**14,070**	**13,621**	**11,250**	**12,692**
Automobile, Aerospace and Agriculture (UAW)	(x)	(x)	974	998
Bakery, Confectionery and Tobacco [2]	149	131	115	109
Boiler Makers, Iron Shipbuilders [2]	123	129	110	90
Bricklayers	143	106	95	84
Carpenters [2]	712	629	609	609
Clothing and Textile Workers (ACTWU) [2]	377	306	228	195
Communication Workers (CWA)	476	485	524	515
Electrical Workers (IBEW)	658	825	791	765
Electronic, Electrical and Technical [2]	255	243	198	185
Operating Engineers	300	313	330	330
Firefighters	123	150	142	142
Food and Commercial Workers (UFCW) [2]	1,150	1,123	989	1,000
Garment Workers (ILGWU)	363	314	210	173
Government, American Federation (AFGE)	255	236	199	157
Graphic Communications [2]	198	171	141	136
Hotel Employees and Restaurant Employees	421	373	327	293
Ironworkers	160	146	140	122
Laborers	475	475	383	371
Letter Carriers (NALC)	151	151	186	200
Machinists and Aerospace (IAM)	780	664	520	509
Musicians	215	206	67	60
Oil, Chemical, Atomic Workers (OCAW)	145	146	108	96
Painters	160	160	133	128
Paperworkers Int'l	275	262	232	221
Plumbing and Pipefitting	228	228	226	220
Postal Workers	249	245	232	230
Retail, Wholesale Department Store [2]	120	122	106	140
Rubber, Cork, Linoleum, Plastic	173	158	108	97
Service Employees (SEIU) [2]	490	537	686	762
State, County, Municipal (AFSCME)	647	889	997	1,032
Steelworkers	1,062	964	572	494
Teachers (AFT)	396	423	470	499
Transport Workers	95	85	85	85

X Not applicable. [1] Includes other AFL-CIO affiliated unions, not shown separately. [2] Figures reflect mergers with one or more unions since 1975. For details see source.

Source: American Federation of Labor and Congress of Industrial Organizations, Washington, DC, *Report of the AFL-CIO Executive Council*, annual.

No. 666. U.S. Union Membership, by State: 1975 to 1982

[Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members. In general, annual per capita revenues received by the parent organization were divided by the per capita rate to yield membership. For unions with multiple dues structures or other structures, other methods were used. See text, section 13 and source for details. A right-to-work State has laws which prohibit collective bargaining contracts from including clauses requiring union membership as a condition of employment]

STATE	TOTAL (1,000)			PERCENT OF EMPLOYED [1]		
	1975	1980	1982	1975	1980	1982
U.S. [2]	**22,207**	**20,968**	**19,571**	**26.9**	**23.2**	**21.9**
AL [3]	275	245	239	23.9	18.1	18.2
AK	67	56	59	41.2	33.1	30.4
AZ [3]	152	152	132	20.9	14.9	12.8
AR [3]	114	107	95	19.4	14.5	13.2
CA	2,694	2,693	2,495	34.5	27.3	25.4
CO	224	236	236	23.6	18.9	18.0
CT	338	267	269	27.7	18.7	18.9
DE	58	58	53	25.8	22.3	20.3
DC	191	216	199	33.0	35.1	33.4
FL [3]	427	348	359	15.6	9.7	9.6
GA [3]	249	282	279	14.4	13.1	12.7
HI	117	129	126	34.3	31.6	31.5
ID	52	56	50	19.4	17.1	16.1
IL	1,553	1,431	1,261	35.1	29.5	27.5
IN	610	627	505	31.6	29.5	25.1
IA [3]	232	236	211	23.4	21.4	20.5
KS [4]	126	121	110	16.0	12.8	12.0
KY	257	251	237	24.6	20.7	20.4
LA [3]	237	235	223	19.6	14.9	13.6
ME	74	67	76	20.7	20.7	18.5
MD	391	314	311	27.5	18.3	18.8
MA	565	515	517	24.3	19.4	19.7
MI	1,319	1,212	1,076	42.2	35.2	33.7
MN	426	431	419	29.0	24.3	24.5
MS [3]	84	78	74	12.6	9.5	9.3
MO	575	568	510	33.4	28.8	26.6
MT	76	70	59	31.8	25.0	21.7
NE [3]	107	104	98	19.3	16.6	16.3
NV [3]	99	103	90	37.4	25.8	22.1
NH	50	49	48	16.9	12.7	12.3
NJ	758	684	613	28.4	22.3	19.9
NM	62	59	61	17.0	12.6	12.6
NY	2,937	2,628	2,589	43.2	36.5	35.8
NC [3]	220	210	208	11.0	8.6	8.9
ND [3]	39	39	36	19.4	15.7	14.2
OH	1,449	1,312	1,132	36.1	30.0	27.4
OK	173	172	160	19.5	15.1	12.9
OR	282	289	264	33.9	27.6	27.5
PA	1,514	1,370	1,230	34.3	28.8	27.0
RI	90	76	76	26.3	19.1	19.4
SC [3]	66	73	66	6.6	6.2	5.6
SD [3]	28	25	24	13.3	10.7	10.3
TN [3]	324	305	292	21.7	17.5	17.3
TX [3]	705	755	782	16.0	12.9	12.5
UT [3]	99	99	94	22.4	18.0	16.6
VT	26	25	24	16.3	12.3	11.9
VA [3]	253	229	232	14.4	10.6	10.9
WA	540	543	517	44.7	33.8	32.9
WV	206	184	176	37.1	28.5	28.9
WI	527	492	457	31.5	25.4	24.5
WY [3]	33	37	34	22.6	17.5	15.6

[1] Nonagriculture employed. [2] Includes Canal Zone, Guam, Puerto Rico and Virgin Islands not shown separately. [3] Right-to-work State. [4] Right-to-work State for 1975 and 1980. [5] Right-to-work State beginning 1980.

Source: Industrial Relations Data and Information Services, West Orange, NJ, *U.S. Union Sourcebook*. (Copyright.)

Digitized by Google

No. 667. Union Members, by Selected Characteristics: 1983 and 1986

[Annual averages of monthly data. Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, section 1 and Appendix III]

Characteristic	Employed wage and salary workers										Median usual weekly earnings [2] (dol.)							
	Total (1,000)		Union members [1] (1,000)		Represented by unions [2] (1,000)		Percent union members		Percent represented by union		Total		Union members [1]		Represented by unions [2]		Not represented by unions	
	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986	1983	1986
Total	**86,290**	**96,903**	**17,717**	**16,975**	**20,532**	**19,278**	**20.1**	**17.5**	**23.3**	**19.9**	**313**	**358**	**386**	**444**	**383**	**439**	**288**	**325**
16–24 years	19,305	19,663	1,749	1,385	2,145	1,655	9.1	7.0	11.1	8.4	210	231	281	310	275	305	203	224
25–34 years	25,978	29,357	5,097	4,674	5,990	5,398	19.6	15.9	23.1	18.4	321	360	362	422	376	417	304	339
35–44 years	18,722	22,306	4,648	4,966	5,362	5,634	24.8	22.3	28.6	25.3	369	418	411	479	407	475	339	396
45–54 years	13,150	14,267	3,554	3,531	4,014	3,906	27.0	24.7	30.5	27.4	366	415	404	480	402	479	335	385
55–64 years	9,201	9,339	2,474	2,245	2,788	2,478	26.9	24.0	30.3	26.5	346	396	392	443	390	444	316	370
65 years and over	1,934	1,950	196	174	234	204	10.1	8.9	12.1	10.5	260	298	338	377	330	376	238	278
Men	47,856	51,942	11,809	11,173	13,270	12,317	24.7	21.5	27.7	23.7	378	419	416	482	414	481	349	394
Women	40,433	44,961	5,908	5,802	7,262	6,961	14.6	12.9	18.0	15.5	252	290	309	366	307	367	237	274
White	**77,046**	**83,745**	**14,844**	**14,061**	**17,182**	**15,955**	**19.3**	**16.8**	**22.3**	**19.1**	**319**	**370**	**396**	**458**	**391**	**452**	**295**	**338**
Men	42,166	45,334	10,134	9,505	11,364	10,461	24.0	21.0	26.9	23.1	387	433	423	489	421	488	362	407
Women	34,877	38,410	4,710	4,557	5,818	5,493	13.5	11.9	16.7	14.3	254	294	314	376	313	374	240	279
Black	**8,979**	**10,380**	**2,440**	**2,436**	**2,850**	**2,773**	**27.2**	**23.5**	**31.7**	**26.7**	**261**	**291**	**331**	**387**	**324**	**383**	**222**	**255**
Men	4,477	5,124	1,420	1,395	1,615	1,549	31.7	27.2	36.1	30.2	293	316	366	415	360	413	244	275
Women	4,502	5,257	1,020	1,040	1,235	1,223	22.7	19.8	27.4	23.3	231	263	292	339	287	335	209	236
Hispanic [4]	(NA)	**6,693**	(NA)	**1,193**	(NA)	**1,339**	(NA)	**17.8**	(NA)	**20.0**	(NA)	277	(NA)	383	(NA)	379	(NA)	252
Men	(NA)	4,046	(NA)	826	(NA)	903	(NA)	20.4	(NA)	22.3	(NA)	299	(NA)	412	(NA)	409	(NA)	268
Women	(NA)	2,648	(NA)	367	(NA)	436	(NA)	13.9	(NA)	16.5	(NA)	241	(NA)	309	(NA)	308	(NA)	227
Full-time workers	70,976	78,727	16,271	15,696	18,745	17,748	22.9	19.9	26.4	22.5	313	358	386	444	383	439	288	325
Part-time workers	17,314	18,176	1,446	1,277	1,787	1,530	8.4	7.0	10.3	8.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Managerial and professional specialty	19,657	22,492	3,354	3,328	4,307	4,213	17.1	14.8	21.9	18.7	437	505	423	502	421	497	446	507
Technical sales, and admin. support	26,024	31,046	3,377	3,340	4,199	4,000	12.1	10.8	15.0	12.9	261	320	350	404	341	397	270	309
Service occupations	12,875	13,609	1,971	1,920	2,306	2,166	15.3	14.1	17.9	15.9	205	223	305	356	299	350	182	201
Precision, production, craft, and repair	10,542	11,455	3,466	3,268	3,760	3,489	32.9	28.5	35.7	30.5	377	408	456	512	450	508	322	361
Operators, fabricators, and laborers	15,416	16,554	5,452	5,012	5,639	5,288	35.4	30.3	37.9	31.9	275	301	366	412	361	409	226	256
Farming, forestry, and fishing	1,775	1,747	98	109	122	121	5.5	6.2	6.9	6.9	196	217	292	356	287	350	189	209
Agricultural wage and salary workers	1,446	1,437	49	35	55	41	3.4	2.5	3.8	2.9	198	216	(B)	(B)	(B)	(B)	195	213
Private nonagri. wage and salary workers	71,225	79,091	11,933	11,051	13,369	12,165	16.8	14.0	18.8	15.4	307	347	389	442	385	437	286	322
Mining	869	822	180	144	201	157	20.7	17.5	23.1	19.1	481	510	470	513	470	513	486	509
Construction	4,109	4,959	1,131	1,092	1,207	1,156	27.5	22.0	29.4	23.4	348	380	518	590	510	581	296	327
Manufacturing	19,066	20,296	5,303	4,869	5,812	5,231	27.8	24.0	30.5	25.8	335	380	370	417	368	417	315	359
Transportation and public utilities	5,142	5,715	2,182	2,023	2,376	2,192	42.4	35.4	46.2	38.3	417	477	449	511	445	506	386	430
Wholesale and retail trade, total	18,081	19,839	1,568	1,425	1,775	1,554	8.7	7.2	9.8	7.8	252	280	353	384	348	381	242	272
Finance, insurance, and real estate	5,559	6,424	160	168	226	230	2.9	2.6	4.1	3.6	296	352	284	348	285	357	297	352
Services	18,400	21,036	1,410	1,329	1,770	1,643	7.7	6.3	9.6	7.8	272	310	303	349	303	350	268	306
Government	15,618	16,374	5,735	5,888	7,109	7,071	36.7	36.0	45.5	43.2	351	409	386	449	381	442	316	375

B Data not shown where base is less than 50,000. NA Not available. X Not applicable. [1] Members of a labor union or an employee association similar to a labor union. [2] Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract. [3] For full-time employed wage and salary workers; 1983 revised since originally published. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Digitized by Google



Section 14

Income, Expenditures and Wealth

This section presents data on gross national product (GNP), national and personal income, saving and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the Nation's economic income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross saving and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1985. A discussion of the revision appears in the December 1985 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-82, Statistical Tables* and the July 1986 issue of the *Survey of Current Business*; detailed data for the most recent years are normally published each July in the *Survey*.

Sources of income distribution data are the decennial censuses of population and the Current Population Survey (CPS), both products of the Bureau of the Census (see text, section 1. Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' saving and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts;* and detailed information on personal wealth is published periodically by the Internal Revenue Service (IRS) in *SOI Bulletin*.

National income and product.—*Gross national product* (GNP) is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are largely those bought for final use (excluding illegal transactions) in the market economy. A number of inclusions, however, represent imputed values, the most important of which is rental value of owner-occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" mainly in that GNP includes allowances for depreciation and for indirect business taxes (sales and property taxes); see table 672.

National income is the aggregate of labor and property earnings which arises in the current production of goods and services. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. It measures the total factor costs of the goods and services produced by the economy. Income is measured before deduction of taxes on income.

Capital consumption adjustment for corporations, nonfarm sole proprietorships and partnerships is the difference between capital consumption claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service lives and depreciation patterns as permitted by tax regulations. *Inventory valuation adjustment* represents the difference between the book value of inventories used up in production and the cost of replacing them.

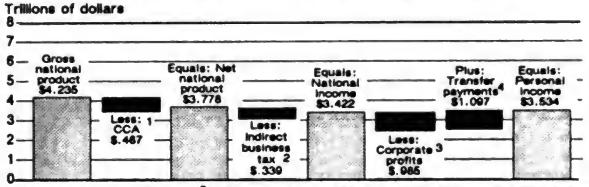
Personal income is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions serving individuals, private trust funds, and private noninsured welfare funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, public assistance, etc., but excludes transfers among persons. Also included are certain nonmonetary types of income—chiefly, estimated net rental value to owner-occupants of their homes and the value of services

Digitized by Google

furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

Disposable personal income is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes and motor vehicle licenses. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.

Figure 14.1
Relation of GNP, National Income, and Personal Income: 1986



1 Capital consumption allowance. 2 Also less: Current surplus of government enterprises plus subsidies.
3 Also less net interest and contributions for social insurance.
4 Also plus personal interest and personal dividend income.
Source: Chart prepared by U.S. Bureau of the Census. For data see table 672.

Consumer Expenditure Survey.—The Consumer Expenditure Survey program was begun in late 1979. The principal objective of the survey is to collect current consumer expenditure data which provide a continuous flow of data on the buying habits of American consumers. The data are necessary for future revisions of the Consumer Price Index.

The survey conducted by the Bureau of the Census for the Bureau of Labor Statistics, consists of two components: (1) An interview panel survey in which the expenditures of consumer units are obtained in five interviews conducted every 3 months; and (2) a diary or recordkeeping survey completed by participating households for two consective 1-week periods.

Each component of the survey queries an independent sample of consumer units representative of the U.S. urban population. Over 52 weeks of the year, 5,000 consumer units are sampled for the diary survey. Each consumer unit keeps a diary for two 1-week periods yielding approximately 10,000 diaries a year. The interview sample is selected on a rotating panel basis, targeted at 5,000 consumer units per quarter. Data are collected in 85 urban areas of the country that are representative of the U.S. urban population. The survey includes students in student housing.

The Diary survey is designed to obtain expenditures on small, frequently purchased items which are normally difficult for respondents to recall. Detailed records of expenses are kept for food and beverages, both at home and in eating places, tobacco, housekeeping supplies, nonprescription drugs, and personal care products and services.

The Interview survey is designed to obtain data on the types of expenditures which respondents can be expected to recall for a period of 3 months or longer. In general, these include relatively large expenditures, such as those for property, automobiles, and major appliances, or expenditures which occur on a fairly regular basis, such as rent, utilities, or insurance premiums. Including "global estimates" for food, it is estimated that about 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies, and personal care items. The interview survey also provides data on expenditures incurred while on trips. Both surveys exclude all business related expenditures for which the family is reimbursed.

Distribution of money income to families and individuals.—Money income statistics are based on data collected in various field surveys of income conducted since 1936. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current Population Reports*, series P-60. In each of the surveys, enumerators interview representative sam-

Digitized by Google

ples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income."

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Therefore, money income does not reflect the fact that some families receive part of their income in the form of noncash benefits (see section 12) such as food stamps, health benefits, and subsidized housing; that some farm families receive noncash benefits in the form of rent-free housing and goods produced and consumed on the farm; or that noncash benefits are also received by some nonfarm residents which often take the form of the use of business transportation and facilities, full or partial payments by business for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. For data on noncash benefits, see section 12. None of the aggregate income concepts (GNP, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1980 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates); however, use of the controls may have significant impact on the absolute numbers.

Income and poverty data for 1986 are the first estimates based entirely on households selected from the 1980 census-based sample design. Estimates by type of residence categories such as metropolitan, nonmetropolitan, farm, and nonfarm reflect metropolitan areas defined as of June 1984. In addition, the March 1987 CPS income supplement was revised to allow for the coding of larger earnings amounts on the questionnaire. A description of this change and its effect on estimates in this report can be found in *Current Population Reports*, series P-60, No. 157.

In October 1983, the Census Bureau began to collect data under the new Survey of Income and Program Participation (SIPP). The information supplied by this survey is expected to provide better measures of the status and changes in income distribution and poverty of households and persons in the United States. The data collected in SIPP will be used to study Federal and State aid programs (such as food stamps, welfare, Medicaid, and subsidized housing), to estimate program costs and coverage, and to assess the effects of proposed changes in program eligibility rules or benefit levels. The core questions are repeated at each interview and cover labor force activity, the types and amounts of income received, and participation status in various programs. The core also contains questions covering attendance in postsecondary schools and private health insurance coverage. Various supplements or topical modules covering areas such as educational attainment, assets and liabilities, and pension plan coverage are periodically included.

Poverty.—Families and unrelated individuals are classified as being above or below the poverty level using the poverty index originated at the Social Security Administration in 1964 and revised by Federal Interagency Committees in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, medicaid, and public housing. The index is based on the Department of Agriculture's 1961 economy food plan and reflects the different consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. The following technical changes to the thresholds were made in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate thresholds for farm families have been dropped; and (3) the matrix has been expanded to families of nine or more persons from the old cutoff of seven or more persons. These changes have been incorporated in the calculation of poverty data beginning with 1981. The table on page 416 shows the average thresholds used for selected years between 1970 and 1986. See *Current Population Reports*, series P-60, Nos. 138, 149, 152, and 157 for more details.

Digitized by Google

WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES AND UNRELATED INDIVIDUALS: 1970 TO 1986

SIZE OF UNIT	1970 [1]	1975 [1]	1979 [1]	1980 [1]	1981	1982	1983	1984	1985	1986
1 person (unrelated individual)	$1,954	$2,724	$3,689	$4,190	$4,620	$4,901	$5,061	$5,278	$5,469	$5,572
Under 65 years	2,010	2,797	3,779	4,290	4,729	5,019	5,180	5,400	5,593	5,701
65 years and over	1,861	2,581	3,479	3,949	4,359	4,626	4,775	4,979	5,156	5,255
2 persons	2,525	3,506	4,725	5,363	5,917	6,281	6,483	6,762	6,998	7,138
Householder under 65 years	2,604	3,617	4,678	5,537	6,111	6,487	6,697	6,983	7,231	7,372
Householder 65 years and over	2,348	3,257	4,390	4,983	5,498	5,836	6,023	6,282	6,503	6,630
3 persons	3,099	4,293	5,784	6,565	7,250	7,693	7,938	8,277	8,573	8,737
4 persons	3,968	5,500	7,412	8,414	9,287	9,862	10,176	10,609	10,989	11,203
5 persons	4,680	6,499	8,775	9,966	11,007	11,684	12,049	12,566	13,007	13,259
6 persons	5,260	7,316	9,914	11,269	12,449	13,207	13,630	14,207	14,696	14,986
7 or more persons	6,468	9,022	12,280	13,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	(NA)	(NA)	14,110	15,036	15,500	16,096	16,656	17,049
8 persons	(NA)	(NA)	(NA)	(NA)	15,655	16,719	17,170	17,961	18,512	18,791
9 or more persons	(NA)	(NA)	(NA)	(NA)	18,572	19,698	20,310	21,247	22,083	22,497

NA Not available. [1] Poverty levels for nonfarm families.

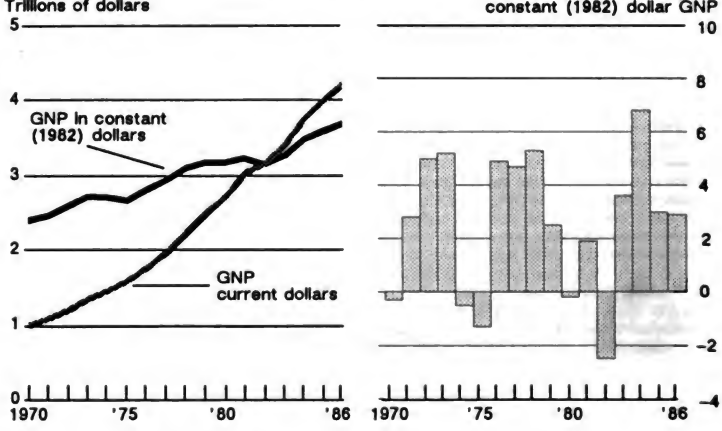
Personal wealth.—Personal wealth estimates, issued by the IRS, are based on a sample of Federal estate tax returns which must be filed for deceased persons. Estimates are weighted to adjust for age, sex, and "social class" (as determined by IRS through insurance holdings). Gross estate is the gross value of all assets, including the full face value of life insurance (reduced by policy loans), before reduction by the amount of debts. The level of gross estate or gross assets required for filing estate tax returns increased from $60,000 which defined top wealthholders in 1972, to $120,000 for 1976. Net worth is one's level of worth after all debts have been removed.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Figure 14.2
Gross National Product (GNP): 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 688.

Digitized by Google

No. 668. GNP in Current and Constant (1982) Dollars: 1970 to 1986

[In billions of dollars, except as indicated]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS										
Gross national product (GNP)	1,016	1,598	2,508	2,732	3,053	3,166	3,406	3,772	4,010	4,235
Personal consumption expenditures	640	1,013	1,667	1,733	1,915	2,051	2,235	2,431	2,629	2,800
Durable goods	86	135	219	219	240	253	289	336	369	402
Nondurable goods	270	416	613	681	741	771	817	867	913	939
Services	284	461	735	832	935	1,027	1,129	1,228	1,348	1,458
Gross private domestic investment	149	228	455	437	516	447	502	665	642	671
Fixed investment	146	225	442	445	492	472	509	597	632	655
Nonresidential	105	163	303	323	369	367	357	416	443	437
Residential	41	62	139	123	122	105	153	181	189	218
Change in business inventories	3	-6	13	-8	24	-25	-7	68	10	16
Net exports	9	31	19	37	34	26	-6	-59	-79	-106
Exports goods and services	69	161	291	351	383	362	353	384	370	376
Imports goods and services	61	130	273	319	349	336	359	442	449	482
Government purchases [1]	218	335	468	530	588	642	675	736	819	870
Federal	99	129	178	208	242	273	284	311	354	366
National defense	77	90	122	143	168	194	214	234	259	278
State and local	119	206	290	322	346	369	392	425	465	504
CONSTANT (1982) DOLLARS										
Gross national product (GNP)	2,416	2,695	3,192	3,187	3,249	3,166	3,279	3,501	3,606	3,713
Personal consumption expenditures	1,492	1,712	2,004	2,000	2,024	2,051	2,146	2,249	2,353	2,451
Durable goods	163	206	267	246	251	253	283	323	353	384
Nondurable goods	633	677	767	763	764	771	800	826	850	877
Services	697	830	971	992	1,009	1,027	1,063	1,100	1,150	1,190
Gross private domestic investment	382	383	575	509	548	447	504	658	636	654
Fixed investment	373	396	560	516	522	472	510	596	629	640
Nonresidential	264	281	389	379	395	367	361	425	454	444
Residential	109	115	171	137	127	105	149	171	175	196
Change in business inventories	8	-13	15	-7	24	-25	-6	62	7	14
Net exports	-30	19	4	57	49	26	-20	-84	-108	-146
Exports goods and services	178	260	357	389	393	362	348	372	365	377
Imports goods and services	208	241	353	332	343	336	368	456	474	523
Government purchases [1]	573	581	609	621	630	642	649	678	727	755
Federal	268	226	236	247	260	273	275	291	324	333
National defense	(NA)	161	164	171	180	194	207	219	237	251
State and local	304	355	373	374	370	369	374	387	403	422

NA Not available. [1] Purchases of goods and services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

No. 669. GNP Components—Annual Growth Rates: 1965 to 1986

[Percent. Represents changes in constant 1982 dollar GNP. GNP = Gross national product. Minus sign ( ) indicates decrease]

PERIOD	GNP	PERSONAL CONSUMPTION EXPENDITURES				GROSS PRIVATE DOMESTIC INVESTMENT			GOVERNMENT PURCHASES		Imports	Exports
		Total	Durable goods	Nondurable goods	Services	Total [1]	Fixed investment		Federal	State and local		
							Residential	Nonresidential				
1965–1970	5.0	3.8	3.8	3.1	4.5	.8	-.8	3.0	1.9	4.8	9.1	6.2
1970–1971	2.8	3.1	9.7	1.2	3.3	9.9	29.3	-2.1	-6.6	3.8	5.1	.5
1971–1972	5.0	5.4	12.4	3.9	5.0	11.0	17.9	7.2	-1.8	2.8	11.7	8.9
1972–1973	5.2	4.2	9.9	2.7	4.0	11.9	-1.9	14.5	-6.5	3.3	11.9	24.1
1973–1974	-.5	-.9	-7.0	-2.5	2.2	-7.6	-20.3	.2	-1.6	3.4	-2.0	11.1
1974–1975	-1.3	2.3	.3	1.6	3.3	-20.4	-11.8	-11.5		2.2	-10.3	-3.5
1975–1976	4.9	5.4	13.0	4.8	4.0	18.3	22.5	3.3	-.9	.4	18.5	5.7
1976–1977	4.7	4.4	9.3	3.2	4.1	15.0	19.4	11.5	3.4	.3	11.1	2.6
1977–1978	5.3	4.1	5.3	3.0	4.6	10.7	5.9	11.8	.8	3.7	7.0	11.0
1978–1979	2.5	2.2	-.3	1.7	3.3	-.3	-4.0	7.5	1.1	.7	4.1	14.1
1979–1980	-.2	-.2	-7.7	-.5	2.1	-11.5	-19.8	-2.6	4.5	.2	-6.0	9.0
1980–1981	1.9	1.2	2.0	.2	1.7	7.1	-7.7	4.2	5.1	-.9	3.4	1.0
1981–1982	-2.5	1.3	.8	.9	1.8	-16.0	-16.9	-7.2	5.0	-.3	-2.3	-7.8
1982–1983	3.6	4.6	12.0	3.8	3.5	12.7	42.1	-1.5	.9	1.3	9.7	-3.8
1983–1984	6.8	4.8	14.1	3.2	3.5	30.6	14.5	17.7	5.7	3.5	23.8	6.8
1984–1985	3.0	4.6	9.2	2.9	4.6	-3.4	2.2	6.8	11.5	4.1	3.9	-1.7
1985–1986	2.9	4.2	8.7	3.3	3.4	2.8	12.5	-2.3	2.8	4.8	10.5	3.3

- Represents zero.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

NO. 670. GROSS NATIONAL PRODUCT, BY INDUSTRY: 1980 TO 1986

[In billions of dollars. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CURRENT DOLLARS					Percent change			
	1980	1983	1984	1985	1986	1980–1983	1983–1984	1984–1985	1985–1986
Gross national product	**2,732.0**	**3,405.7**	**3,772.2**	**4,010.3**	**4,235.0**	**7.6**	**10.8**	**6.3**	**5.6**
Domestic industries	**2,684.4**	**3,355.9**	**3,724.8**	**3,970.5**	**4,201.3**	**7.7**	**11.0**	**6.6**	**5.8**
Private industries	**2,357.3**	**2,940.2**	**3,276.9**	**3,496.8**	**3,699.8**	**7.6**	**11.5**	**6.8**	**5.7**
Agriculture, forestry, fisheries	77.2	74.3	92.9	90.6	93.0	–1.3	25.0	–2.5	2.6
Farms	65.5	59.3	77.6	75.1	76.4	–3.3	30.9	–3.2	1.7
Mining	107.3	118.4	119.4	116.2	95.3	3.3	.8	–1.0	–19.4
Construction	137.7	149.6	171.5	184.4	197.9	2.8	14.6	7.5	7.3
Manufacturing[1]	581.0	683.2	771.9	799.3	824.3	5.5	13.0	3.5	3.1
Durable goods[1]	351.8	385.6	451.1	469.9	476.5	3.1	17.0	4.2	1.8
Lumber and wood products	18.7	20.5	22.6	22.7	24.8	3.1	11.2	–.4	9.3
Furniture and fixtures	8.6	10.6	12.4	12.9	13.4	7.2	17.0	4.0	3.9
Stone clay and glass products	19.0	20.2	22.9	24.2	25.3	2.1	13.4	5.7	4.5
Primary metal industries	44.3	30.3	36.3	34.6	34.8	–11.9	19.6	–4.1	–
Fabricated metal products	46.0	47.6	55.1	56.5	56.9	1.1	15.8	2.5	.7
Machinery, except electrical	76.9	75.3	85.4	86.2	85.9	–.7	13.4	3.3	–2.6
Electric and electronic equipment	55.0	67.7	79.9	86.6	88.2	7.2	18.0	8.6	1.8
Motor vehicles and equipment	26.7	39.0	49.6	50.5	49.5	13.5	27.2	1.8	–2.0
Other transportation equipment	28.2	40.1	46.0	49.7	54.3	12.5	14.7	8.0	9.3
Instruments and related products	19.0	23.8	26.9	29.7	31.4	7.8	13.0	10.4	5.7
Nondurable goods	229.2	297.6	320.8	329.3	345.8	9.1	7.8	2.6	5.0
Food and kindred products	52.2	64.7	66.6	69.8	71.1	7.4	2.9	4.8	1.9
Tobacco manufactures	7.3	11.9	12.8	12.5	12.7	17.7	7.8	–2.3	1.6
Textile mill products	15.0	16.9	17.4	16.8	18.5	4.1	3.0	–3.4	10.1
Apparel and other textile products	17.1	20.3	20.7	20.3	20.7	5.9	2.0	–1.9	2.0
Paper and allied products	23.1	27.6	31.9	33.1	35.0	6.4	14.7	3.6	5.7
Printing and publishing	31.6	42.4	47.6	52.0	54.4	10.3	12.3	9.2	4.6
Chemicals and allied products	45.5	59.6	62.0	61.1	64.4	9.4	4.0	–1.5	5.4
Petroleum and coal products	16.8	28.3	33.7	35.2	38.9	19.0	19.1	4.5	10.5
Rubber and misc. plastics products	16.8	21.9	24.4	25.2	27.1	9.2	11.4	3.3	7.5
Leather and leather products	3.9	3.8	3.6	3.4	3.0	–.9	–5.3	–5.6	–11.8
Transportation public utilities	240.6	320.0	354.4	376.2	391.4	9.9	10.7	6.2	4.0
Transportation	105.9	120.5	133.5	140.5	144.1	4.4	10.8	5.2	2.6
Railroad transportation	20.8	20.1	22.4	21.7	21.6	–1.1	11.4	–3.1	–.5
Local and interurban passenger transit	5.4	6.6	7.2	6.0	6.0	6.9	9.1	11.1	–
Trucking and warehousing	44.0	49.9	56.2	59.1	60.9	4.3	12.6	5.2	3.0
Water transportation	7.1	7.5	7.8	8.2	8.1	1.8	4.0	5.1	–1.2
Air transportation	18.1	22.9	26.1	28.1	29.8	8.2	14.0	7.7	6.0
Pipelines, except natural gas	4.7	5.1	4.5	5.2	4.9	2.8	–11.8	15.6	–5.8
Transportation services	5.8	8.3	9.3	10.3	10.9	12.7	12.0	10.8	5.8
Communications	66.6	96.0	102.2	109.3	115.3	13.0	6.5	6.9	5.5
Telephone and telegraph	60.2	86.8	91.1	97.3	102.6	13.0	5.0	6.8	5.4
Radio and TV broadcasting	6.3	9.2	11.1	11.9	12.7	13.5	20.7	7.2	6.7
Electric, gas, and sanitary services	68.4	103.5	116.7	126.5	132.0	14.8	14.7	8.4	4.3
Wholesale trade	193.9	226.5	263.1	281.5	294.6	5.3	16.2	7.0	4.7
Retail trade	245.0	316.4	350.8	382.2	407.9	8.9	10.9	9.0	6.7
Finance, insurance, and real estate	400.6	536.4	572.6	622.6	695.0	10.2	6.8	8.7	11.6
Banking	51.1	68.1	70.6	66.9	69.0	10.0	3.7	–2.4	3.1
Credit agencies other than banks	5.5	10.6	9.6	12.5	14.6	24.4	–7.5	27.6	16.8
Security, commodity, brokers services	9.7	20.7	19.7	25.1	32.9	28.7	–4.8	27.4	31.1
Insurance carriers	37.0	36.5	34.9	36.8	53.6	–.5	–4.4	11.2	38.1
Insurance agents brokers services	14.4	17.6	20.1	22.5	25.7	6.9	14.2	11.9	14.2
Real estate	281.5	374.2	409.1	441.3	483.2	10.0	9.3	7.9	9.5
Holding, other investment companies	1.3	8.7	8.5	13.6	15.8	88.4	–2.3	60.0	16.2
Services[1]	374.0	515.5	580.2	643.7	700.2	11.3	12.6	10.9	8.8
Hotels and other lodging places	16.9	24.3	27.0	29.5	31.9	8.7	11.1	9.3	8.1
Personal services	18.8	23.1	25.0	29.1	31.1	7.1	8.2	16.4	6.9
Business services	68.8	104.8	125.3	148.3	162.8	15.1	19.6	18.8	11.3
Auto repair, services, garages	21.1	26.1	29.2	32.1	34.3	7.3	11.9	9.9	6.9
Motion pictures	5.0	6.6	7.3	8.2	8.5	9.7	10.6	12.3	3.7
Amusement, recreation services	12.4	16.8	17.8	20.2	21.4	10.7	6.0	13.5	5.9
Health services	108.1	156.1	169.0	183.6	198.6	13.0	8.3	8.6	8.2
Legal services	23.3	35.0	41.6	46.3	52.3	14.5	18.9	11.3	13.0
Educational services	16.0	21.0	23.5	25.2	26.7	9.5	11.9	7.2	6.0
Social services, membership	26.3	32.8	35.7	37.9	40.5	7.6	8.8	6.2	6.9
Misc'l. professional services	39.6	49.9	56.9	64.1	70.1	8.0	14.0	12.7	9.4
Private households	6.6	8.2	8.9	9.0	9.3	7.5	8.5	1.1	3.3
Government and govt. enterprises	322.1	410.5	442.5	477.4	506.6	8.4	7.8	7.9	6.1
Federal	114.7	148.3	160.0	171.1	175.6	8.9	7.9	6.9	2.6
State and local	207.4	262.2	282.5	306.3	331.1	8.1	7.7	8.4	8.1
Statistical discrepancy	4.9	5.2	5.4	–5.8	–4.9	2.0	(NS)	(NS)	(NS)
Rest of the world	47.6	49.9	47.4	39.8	33.7	1.6	–5.0	–16.0	–15.3

See footnotes at end of table.

Digitized by Google

No. 670 Gross National Product, by Industry: 1980 to 1986—Continued

[**In billions of dollars.** Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.)as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

Industry	Constant (1982) dollars					Percent change			
	1980	1983	1984	1985	1986	1980–1983	1983–1984	1984–1985	1985–1986
Gross national product [2]	3,187.1	3,279.1	3,501.4	3,607.5	3,713.3	1.0	6.8	3.0	2.9
Domestic industries	3,131.7	3,231.2	3,457.5	3,571.5	3,683.5	1.0	7.0	3.3	3.1
Private industries	2,739.5	2,828.2	3,062.3	3,180.7	3,288.1	1.1	7.9	4.2	3.4
Agriculture forestry fisheries	76.2	74.5	82.2	93.6	100.4	-.7	10.3	13.9	7.3
Farms	64.2	61.3	68.5	78.9	84.7	-1.5	11.7	15.2	7.4
Mining	135.6	125.4	133.0	130.6	118.1	-2.6	6.1	-1.6	-9.6
Construction	161.6	147.3	159.2	164.2	168.3	-3.0	8.1	3.1	2.5
Manufacturing [1]	665.4	675.5	757.9	790.3	812.2	.5	12.2	4.3	2.8
Durable goods [1]	401.5	390.4	466.6	501.4	517.7	-.9	19.6	7.4	3.3
Lumber and wood products	20.4	18.1	20.4	20.5	21.6	-3.9	12.7	.5	5.4
Furniture and fixtures	10.2	10.4	11.6	11.6	11.4	.6	13.5	-1.7	-1.7
Stone clay and glass products	21.1	19.7	21.8	22.2	22.2	-2.3	9.6	2.8	(Z)
Primary metal industries	46.4	30.0	34.7	34.1	35.0	-13.5	15.7	-1.7	2.6
Fabricated metal products	52.5	48.9	55.8	55.8	54.8	-2.3	14.1	(Z)	-1.8
Machinery, except electrical	84.6	86.9	114.8	137.5	150.8	.9	32.1	19.8	9.7
Electric electronic equipment	62.7	66.2	77.3	83.8	85.0	1.8	16.8	8.4	1.4
Motor vehicles and equipment	33.7	38.5	47.9	47.7	44.5	4.5	24.4	-.4	-6.7
Other transportation equipment	38.1	38.6	42.6	45.4	48.5	.4	10.4	6.6	6.8
Instruments and related products	21.8	23.2	25.4	28.3	29.7	2.1	9.5	11.4	4.9
Nondurable goods	263.9	285.1	291.1	288.9	294.4	2.6	2.1	-.8	1.9
Food and kindred products	56.7	62.0	60.8	62.9	62.6	3.0	-1.9	3.5	-.5
Tobacco manufactures	9.5	8.9	8.7	7.3	7.0	-2.2	-2.2	-16.1	-4.1
Textile mill products	16.1	16.6	16.7	15.8	16.9	1.0	.6	-5.4	7.0
Apparel and other textile products	20.1	19.8	20.4	19.6	19.5	-.5	3.0	-3.9	-.5
Paper and allied products	24.6	28.7	30.2	30.6	31.3	5.3	5.2	1.3	2.3
Printing and publishing	36.9	39.9	41.3	42.6	42.3	2.6	3.5	3.1	-.7
Chemicals and allied products	50.1	59.6	60.0	56.4	59.4	6.0	.7	-6.0	5.3
Petroleum and coal products	26.7	24.0	25.0	24.9	26.4	-3.5	4.2	-.4	6.0
Rubber and misc. plastics products	18.9	21.7	24.3	25.2	26.0	4.7	12.0	3.7	3.2
Leather and leather products	4.3	3.8	3.8	3.7	3.0	-4.0	(Z)	-2.6	-18.9
Transportation public utilities	293.4	300.8	320.4	325.0	328.3	.6	6.5	1.4	1.0
Transportation	129.5	113.7	123.7	125.0	129.2	-4.2	8.8	1.1	3.4
Railroad transportation	27.2	19.1	20.2	19.8	17.7	-11.1	5.8	-2.0	-.5
Local and interurban passenger transit	7.0	5.6	6.1	6.3	6.3	-6.1	5.2	3.3	(Z)
Trucking and warehousing	51.5	48.6	53.4	52.4	54.2	-1.9	9.9	-1.9	3.4
Water transportation	8.3	7.5	7.8	7.8	7.8	-3.3	4.0	(Z)	(Z)
Air transportation	23.1	19.6	22.1	23.7	25.7	-5.3	12.8	7.2	8.4
Pipelines, except natural gas	5.1	4.9	5.0	4.9	5.1	-1.3	2.0	-2.0	4.1
Transportation services	7.2	8.3	9.2	10.0	10.3	4.9	10.8	8.7	3.0
Communications	78.4	92.1	92.9	94.3	95.3	5.5	.9	1.5	1.1
Telephone and telegraph	71.1	83.2	83.0	84.3	85.2	5.4	-.2	1.6	1.1
Radio and TV broadcasting	7.3	8.9	9.9	10.0	10.1	6.6	11.2	1.0	1.0
Electric, gas, and sanitary services	85.5	95.0	103.6	105.6	103.9	3.6	9.3	1.9	-1.8
Wholesale trade	213.5	222.0	250.6	268.9	282.4	1.3	12.9	7.3	5.0
Retail trade	286.0	307.0	328.3	343.3	362.2	2.3	6.9	4.6	5.5
Finance, insurance, and real estate	464.3	489.0	506.6	523.6	551.3	1.7	3.6	3.4	5.3
Banking	56.7	60.5	61.0	61.9	63.0	2.2	.8	1.5	1.8
Credit agencies other than banks	5.2	6.0	6.6	7.0	7.7	4.9	10.0	6.1	10.0
Security, commodity, brokers services	10.7	14.9	16.1	16.9	18.6	11.7	8.1	5.0	10.1
Insurance carriers	28.6	30.1	31.5	33.6	37.7	1.7	4.7	6.7	12.2
Insurance agents brokers services	17.3	17.4	17.9	19.6	21.6	.2	2.9	9.5	10.2
Real estate	339.6	352.7	365.3	375.6	393.1	1.3	3.6	2.8	4.7
Holding, other investment companies	6.3	7.4	8.2	8.9	9.7	5.5	10.8	8.5	9.0
Services [1]	442.6	486.6	514.0	541.3	564.9	3.2	5.6	5.3	4.4
Hotels and other lodging places	22.6	22.5	22.9	23.2	22.9	-.1	1.8	1.3	-1.3
Personal services	22.2	21.8	22.4	24.6	25.6	-.6	2.8	9.6	4.1
Business services	84.0	100.0	111.0	120.7	129.6	6.0	11.0	8.7	7.5
Auto repair, services, garages	24.4	25.2	27.3	29.2	30.1	1.1	8.3	7.0	3.1
Motion pictures	5.7	6.2	6.3	6.7	6.9	2.8	1.6	6.3	3.0
Amusement, recreation services	13.7	16.1	16.4	18.0	18.2	5.5	1.9	9.8	1.1
Health services	129.4	146.7	153.1	158.9	166.0	4.3	4.4	3.8	4.5
Legal services	26.9	31.6	32.8	35.0	36.9	3.0	3.6	6.7	5.4
Educational services	18.1	19.6	20.6	21.2	21.4	3.0	4.0	2.9	.9
Social services, membership organizatio	30.2	31.1	32.3	32.9	34.2	1.0	3.9	1.9	4.0
Misc'l. professional services	47.1	47.7	49.9	51.6	53.7	.4	4.6	3.6	3.7
Private households	7.4	8.1	8.8	8.8	9.0	3.1	8.6	(Z)	2.3
Government and govt. enterprises	382.7	387.4	392.1	399.0	405.4	.4	1.2	1.8	1.6
Federal	136.3	141.9	144.1	146.8	148.3	.9	1.6	1.9	1.0
State and local	244.4	245.5	248.1	252.3	257.1	.1	1.1	1.7	1.9
Statistical discrepancy	5.9	5.0	5.0	-5.1	-4.3	-5.4	(NS)	(NS)	(NS)
Rest of the world	55.5	47.9	43.9	36.0	29.6	-4.8	-8.4	-18.0	-17.2

– Represents zero. NS Not significant. Z Less than .5 percent. [1] Includes items not shown separately. [2] Includes residual not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 671. Gross National Product—Summary: 1929 to 1986

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. Minus sign (-) indicates decrease]

Year	Gross national product	Personal consumption expenditures	Gross private domestic investment	Net exports of goods and services	Govt. purchases, goods and services	By major type of product			By sector			
						Goods	Services	Structures	Business	Households and institutions	Government	Rest of the world
1929	103.9	77.3	16.7	1.1	8.9	56.1	35.9	11.9	98.0	2.9	4.4	.8
1933	56.0	45.8	1.6	.4	8.3	27.0	25.9	3.1	49.3	1.7	4.7	.3
1940	100.4	71.0	13.4	1.8	14.2	56.0	35.8	8.6	89.8	2.4	7.8	.4
1945	213.4	119.6	11.3	-.5	83.0	128.9	77.3	7.2	173.5	4.1	35.3	.4
1950	288.3	192.1	55.1	2.2	38.8	162.4	89.0	36.9	259.0	6.5	21.2	1.5
1955	405.9	257.9	69.7	3.0	75.3	218.3	138.5	51.1	359.4	9.1	34.8	2.6
1960	515.3	330.7	78.2	5.9	100.6	257.2	197.4	60.7	449.9	13.9	48.1	3.5
1965	705.1	440.7	116.2	9.7	138.6	342.9	280.5	81.7	610.7	19.3	69.3	5.8
1970	1,015.5	640.0	148.6	6.5	218.2	467.8	441.1	106.5	856.3	32.4	119.5	7.3
1975	1,598.4	1,012.8	219.6	31.1	335.0	714.7	725.2	158.5	1,341.2	52.0	187.7	17.5
1976	1,782.8	1,129.3	277.7	18.8	356.9	798.9	803.5	180.4	1,500.7	57.1	203.8	21.1
1977	1,990.5	1,257.2	344.1	1.9	387.3	882.0	895.9	212.6	1,682.1	62.4	220.5	25.4
1978	2,249.7	1,403.5	416.8	4.1	425.2	991.4	1,003.0	255.3	1,908.4	70.2	240.5	30.5
1979	2,508.2	1,566.8	454.8	18.6	467.8	1,099.1	1,121.9	287.1	2,125.3	78.6	260.4	43.8
1980	2,732.0	1,732.6	437.0	32.1	530.3	1,174.9	1,265.5	292.0	2,306.8	89.3	298.3	47.6
1981	3,052.6	1,915.1	515.5	33.9	588.1	1,322.9	1,415.4	314.4	2,582.6	101.0	316.7	52.1
1982	3,166.0	2,050.7	447.3	26.3	641.7	1,319.1	1,547.5	299.4	2,658.2	112.7	343.9	51.2
1983	3,405.7	2,234.5	502.3	-6.1	675.0	1,396.1	1,682.5	327.1	2,866.6	122.9	366.4	49.9
1984	3,772.2	2,430.5	664.8	-58.9	735.9	1,581.4	1,813.9	377.0	3,201.5	132.7	390.6	47.4
1985	4,010.3	2,629.4	641.8	-79.2	818.6	1,637.9	1,969.3	403.1	3,409.5	142.2	418.8	39.8
1986	4,235.0	2,799.8	671.0	-105.5	869.7	1,693.8	2,116.2	425.1	3,605.2	152.2	443.9	33.7

No. 672. Relation of GNP, National Income, Personal Income, Disposable Personal Income and Personal Saving: 1970 to 1986

[In billions of dollars. For definitions, see text, section 14]

Item	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross national product	**1,015.5**	**1,598.4**	**2,732.0**	**3,052.6**	**3,166.0**	**3,405.7**	**3,772.2**	**4,010.3**	**4,235.0**
Less: Capital consumption allowances [1]	88.8	161.8	303.6	347.8	383.2	396.6	415.5	437.6	456.7
Equals: Net national product [2]	**926.6**	**1,436.6**	**2,428.1**	**2,704.8**	**2,782.8**	**3,009.1**	**3,356.8**	**3,572.7**	**3,778.4**
Less: Indirect business tax and nontax liability	94.0	140.0	213.3	251.5	258.6	282.6	313.9	333.2	347.7
Plus: Subsidies [3]	2.9	2.4	5.7	6.7	8.7	14.1	9.9	8.3	8.7
Equals: National income [2]	**832.6**	**1,298.1**	**2,203.5**	**2,443.5**	**2,518.4**	**2,719.5**	**3,028.8**	**3,229.9**	**3,422.0**
Less: Corporate profits [4]	74.7	117.8	177.2	188.0	150.0	213.7	266.9	277.6	284.4
Net interest	41.2	83.6	200.9	248.1	272.3	281.0	304.8	315.3	326.1
Contributions for social insurance	62.2	118.5	216.5	251.2	269.6	291.0	324.9	352.7	374.3
Plus: Government transfer payments to persons	81.8	185.7	312.6	355.7	396.2	426.6	437.9	468.2	496.0
Personal interest income	89.3	122.5	271.9	335.4	369.7	393.1	444.7	476.5	497.6
Personal dividend income	22.2	28.7	52.9	61.3	63.9	68.7	75.5	76.3	81.2
Business transfer payments	4.1	7.4	12.1	12.4	14.3	16.0	18.7	21.6	22.3
Equals: Personal income	**831.8**	**1,313.4**	**2,258.5**	**2,520.9**	**2,670.8**	**2,838.6**	**3,108.7**	**3,327.0**	**3,534.3**
Less: Personal tax and nontax payment	116.2	170.8	340.5	393.3	409.3	410.5	440.2	485.9	512.2
Equals: Disposable personal income	**715.6**	**1,142.8**	**1918.0**	**2,127.6**	**2,261.4**	**2,428.1**	**2,668.8**	**2,841.1**	**3,022.1**
Less: Personal outlays	657.9	1,038.2	1,781.1	1,968.1	2,107.5	2,297.4	2,504.5	2,714.1	2,891.5
Equals: Personal saving	**57.7**	**104.6**	**136.9**	**159.4**	**153.9**	**130.6**	**164.1**	**127.1**	**130.6**

[1] With capital consumption adjustment. [2] Includes items not shown separately. [3] Less current surplus of government enterprises. [4] With inventory valuation and capital consumption adjustments.

No. 673. Per Capita Income and Product for Selected Items: 1970 to 1986

[Based on Bureau of the Census estimated population including Armed Forces abroad; based on quarterly averages]

Item	1970	1975	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS									
Gross national product	4,951	7,401	11,995	13,262	13,614	14,503	15,913	16,757	17,528
Personal income	4,056	6,081	9,916	10,952	11,485	12,088	13,114	13,902	14,628
Disposable personal income	3,489	5,291	8,421	9,243	9,724	10,340	11,257	11,872	12,508
Personal consumption expenditures	3,121	4,689	7,607	8,320	8,816	9,516	10,253	10,987	11,588
CONSTANT(1982) DOLLARS									
Gross national product	11,781	12,478	13,994	14,114	13,614	13,964	14,771	15,074	15,368
Disposable personal income	8,134	8,944	9,722	9,769	9,725	9,930	10,419	10,622	10,947
Personal consumption expenditures	7,275	7,926	8,783	8,794	8,818	9,139	9,489	9,830	10,142

Source of tables 671-673: U.S. Bureau of Economic Analysis, *The National Income and Products Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 674. National Income, by Type of Income: 1970 to 1986

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii]

TYPE OF INCOME	1970	1975	1980	1981	1982	1983	1984	1985	1986
National income	**832.6**	**1,289.1**	**2,203.5**	**2,443.5**	**2,518.4**	**2,719.5**	**3,028.6**	**3,229.9**	**3,422.0**
Compensation of employees	618.3	948.7	1,638.2	1,807.4	1,907.0	2,020.7	2,213.9	2,370.8	2,504.9
Wages and salaries	551.5	814.7	1,372.0	1,510.4	1,586.1	1,676.2	1,836.8	1,974.7	2,089.1
Government and government enterprises	117.1	176.1	260.1	284.4	305.9	323.9	346.3	372.1	394.6
Private	434.3	638.6	1,111.8	1,225.9	1,280.2	1,352.3	1,492.5	1,602.6	1,694.3
Supplements to wages salaries	66.8	134.0	266.3	297.1	320.9	344.5	375.1	396.1	415.8
Employer contributions for social insurance	34.3	68.0	127.9	146.8	157.3	170.9	192.2	203.8	214.7
Other labor income	32.5	65.9	138.4	150.3	163.8	173.6	182.9	192.3	201.1
Proprietors' income [1]	80.2	125.4	180.7	186.8	175.5	190.9	234.5	257.3	289.8
Farm	14.7	25.4	20.5	30.7	24.6	12.4	30.5	29.7	37.2
Nonfarm	65.4	100.0	160.1	156.1	150.9	178.4	204.0	227.6	252.6
Proprietors' income	66.0	102.2	164.3	155.2	148.5	167.3	182.4	196.0	217.7
Rental income of persons [2]	18.2	13.5	6.6	13.3	13.6	13.2	8.5	9.0	16.7
Corporate profits [1]	74.7	117.6	177.2	188.0	150.0	213.7	266.9	277.8	284.4
Corporate profits [3]	69.5	123.9	194.0	202.3	159.2	196.7	234.2	224.1	238.4
Profits before tax	76.0	134.8	237.1	226.5	169.8	207.8	240.0	224.8	231.9
Profits tax liability	34.4	50.9	84.6	81.1	63.1	77.2	93.9	96.7	105.0
Profits after tax	41.7	83.9	152.3	145.4	106.5	130.4	146.1	128.1	126.8
Dividends	22.5	29.8	54.7	63.6	66.9	71.5	79.0	81.3	86.8
Undistributed profits	19.2	54.3	97.8	81.8	39.8	58.9	67.0	46.8	40.0
Inventory valuation adjustment	−6.8	−11.0	−43.1	−24.2	−10.4	−10.9	−5.8	−.7	8.5
Capital consumption adjustment	5.2	−8.2	−18.8	−14.4	−9.2	17.0	32.7	53.5	46.0
Net interest	41.2	83.8	200.9	248.1	272.3	281.0	304.8	315.3	326.1
Addenda:									
Corporate profits after tax [1]	40.3	66.7	92.4	106.8	86.9	136.5	173.0	180.9	179.4
Net cash flow [1]	69.8	133.5	219.1	254.0	255.0	307.7	348.5	366.7	375.4
Undistributed profits [1]	17.9	37.1	37.7	43.2	20.0	65.0	94.0	99.6	92.8
Capital consumption allowances	52.0	96.4	181.4	210.7	235.0	242.7	254.5	269.1	282.8
Less: Inventory valuation adjustment	−6.8	−11.0	−43.1	−24.2	−10.4	−10.9	−5.8	−.7	6.5
Equals: Net cash flow	76.4	144.5	262.2	278.1	265.4	318.8	354.3	369.4	368.9

[1] With inventory valuation and capital consumption adjustments. [2] With capital consumption adjustment. [3] With inventory valuation adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

No. 675. National Income, by Sector: 1970 to 1986

[In billions of dollars]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986
National income	**832.6**	**1,289.1**	**2,203.5**	**2,443.5**	**2,518.4**	**2,719.5**	**3,028.6**	**3,229.9**	**3,422.0**
Domestic business	673.4	1,031.8	1,778.4	1,973.7	2,010.8	2,180.4	2,457.9	2,629.2	2,792.2
Corporate business	479.8	740.8	1,312.6	1,457.3	1,478.0	1,609.4	1,805.9	1,921.8	2,014.1
Compensation of employees	401.0	617.0	1,117.2	1,235.0	1,287.8	1,360.6	1,502.1	1,605.8	1,689.1
Corporate profits [1]	87.8	103.2	142.8	159.4	121.9	183.8	236.0	247.1	253.2
Net interest	11.0	20.4	52.5	62.9	68.2	65.2	67.8	68.9	71.8
Sole proprietors partnerships	135.0	205.8	318.0	342.2	340.8	361.2	421.7	455.3	500.8
Compensation of employees	49.2	65.8	102.2	108.7	114.0	118.5	131.8	142.4	154.5
Proprietors' income [1]	79.8	124.5	179.4	185.4	174.0	189.3	232.8	255.5	288.2
Net interest	6.0	15.5	36.5	48.1	52.7	53.4	57.8	57.3	58.1
Other private business [2]	45.7	63.9	114.2	136.5	152.4	167.2	184.3	202.5	225.2
Compensation of employees	3.2	4.7	7.8	8.4	9.0	9.8	10.9	12.0	13.0
Proprietors' income [1]	18.2	9	1.3	1.4	1.6	1.8	1.9	1.7	1.7
Rental income of persons [3]	4	13.5	8.6	13.3	13.8	13.2	8.5	9.0	18.7
Net interest	23.9	44.8	96.5	113.4	128.2	142.7	162.9	179.8	193.8
Government enterprises [4]	13.0	21.5	33.5	37.8	39.6	42.8	46.1	49.8	52.2
Households and institutions [5]	32.4	52.0	89.3	101.0	112.7	122.9	132.7	142.2	152.2
Government [6]	119.5	187.7	288.3	318.7	343.9	366.4	390.8	418.8	443.9
Rest of the world	7.3	17.5	47.6	52.1	51.2	49.9	47.4	39.8	33.7

[1] With inventory valuation and capital consumption adjustments. [2] Consists of all business activities reported on the individual income tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm housing and buildings and equipment owned and used by nonprofit institutions serving individuals, which are considered to be business activities selling their current services to their owners. [3] With capital consumption adjustment. [4] Compensation of employees. [5] Compensation of employees in private households; nonprofit social and athletic clubs; labor organizations; nonprofit schools and hospitals; religious, charitable, and welfare organizations, and all other nonprofit organizations serving individuals.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 676. Personal Consumption Expenditures—by Type of Expenditure in Current Dollars: 1980 to 1986

[In billions of dollars. Minus sign (–) indicates decrease]

Type of Expenditure	1980	1983	1984	1985	1986	Average Annual Percent Change 1980–83	1983–84	1984–85	1985–86
Total current dollars [1]	**1,732.6**	**2,234.5**	**2,430.5**	**2,629.4**	**2,799.8**	**8.8**	**8.8**	**8.2**	**6.5**
Food and tobacco [1] [2]	369.9	450.1	479.0	504.8	532.0	6.8	6.4	5.4	5.4
Food purchased for off-premise consumption	242.3	290.4	305.8	320.6	333.3	6.2	5.3	4.8	4.0
Meals, beverages purchased [3]	100.2	123.5	134.1	143.2	155.2	7.2	8.6	6.8	8.4
Tobacco products	20.8	26.2	30.5	32.0	34.2	10.7	8.2	4.9	6.9
Clothing accessories and jewelry [1]	135.0	167.2	181.8	194.9	209.1	7.4	8.7	7.2	7.3
Shoes	16.9	20.2	21.6	23.2	24.6	6.1	6.9	7.4	6.0
Clothing and accessories	91.9	114.7	125.0	133.9	142.7	7.7	9.0	7.1	6.6
Jewelry and watches	15.4	18.0	19.9	20.8	23.5	5.3	10.6	4.5	13.0
Personal care	27.2	34.1	36.4	38.9	41.4	7.8	6.7	6.9	6.4
Housing [1]	261.5	344.1	371.3	402.4	436.9	9.6	7.9	8.4	8.6
Owner-occupied nonfarm dwellings-space rent	178.3	233.9	252.3	272.7	296.0	9.5	7.9	8.1	8.5
Tenant-occupied nonfarm dwellings-rent	61.9	84.7	92.2	103.0	114.5	11.0	8.9	11.7	11.2
Rental value of farm dwellings	11.0	12.1	12.2	10.9	9.9	3.2	.8	–10.7	–9.2
Household operation [1]	233.1	294.1	316.9	331.9	343.0	8.1	7.8	4.7	3.3
Furniture [3]	20.9	23.8	26.5	28.1	30.6	4.4	11.3	6.0	8.9
Semidurable house furnishings [4]	10.0	12.3	13.3	13.9	14.8	7.1	8.1	4.5	6.5
Cleaning, polishing preparations	20.1	23.6	25.1	26.2	27.3	5.5	6.4	4.4	4.2
Household utilities	83.7	110.8	117.5	122.9	121.1	9.8	6.0	4.6	–1.5
Electricity	37.2	51.0	55.4	59.3	61.0	11.1	8.6	7.0	2.9
Gas	19.1	29.0	29.4	29.5	26.8	14.9	1.4	.3	–9.8
Water, other sanitary services	9.3	13.3	14.9	16.4	17.5	12.7	12.0	10.1	6.7
Fuel oil and coal	18.0	17.5	17.8	17.5	16.0	– .9	1.7	– 1.7	–8.6
Telephone and telegraph	27.8	37.9	39.8	40.1	42.1	10.9	5.0	.8	5.0
Medical care [1]	187.7	268.7	296.4	326.8	357.6	12.7	11.1	9.5	9.5
Drug preparations and sundries [5]	18.8	24.4	26.3	27.9	29.7	9.1	7.8	6.1	6.5
Physicians	42.0	61.1	67.1	73.3	80.2	13.3	9.8	9.2	9.4
Dentists	13.7	18.5	19.8	21.3	22.5	10.5	7.0	7.6	5.6
Privately controlled hospitals [6]	82.0	119.6	130.8	140.0	152.1	13.4	9.2	7.2	8.6
Health insurance	12.3	16.0	19.0	21.7	23.9	9.2	18.8	14.2	10.1
Medical care [7]	6.9	11.0	15.2	17.7	20.1	16.8	38.2	16.4	13.6
Personal business [1]	96.7	136.7	145.8	174.0	195.1	12.2	6.7	19.3	12.1
Expense of handling life insurance [8]	19.7	27.0	30.6	36.1	39.6	11.1	13.3	18.0	9.7
Legal services	13.8	21.7	24.6	28.2	31.3	16.3	13.4	14.6	11.0
Funeral and burial expenses	4.4	5.2	5.6	6.2	6.4	5.7	7.7	10.7	3.2
Transportation	236.5	295.4	329.5	358.6	365.3	7.4	11.5	8.9	1.8
User-operated transportation [1]	216.8	270.5	301.6	329.7	335.8	7.7	11.5	9.3	1.9
New autos	46.4	66.2	77.6	86.9	101.5	12.6	17.2	12.0	16.8
Used autos, net purchases	14.9	21.6	30.2	34.5	33.8	13.2	39.8	14.2	–2.0
Tires, tubes, accessories, etc	16.7	21.9	23.3	25.0	25.0	9.5	6.4	7.3	-
Repair, greasing, washing, parking, storage and rent	32.3	38.4	42.8	46.3	51.6	5.9	11.5	12.9	7.2
Gasoline and oil	83.7	90.2	90.0	92.6	75.3	2.5	– .2	2.9	–18.7
Purchased local transportation	5.8	6.5	6.9	7.1	7.6	3.9	6.2	2.9	7.0
Transit systems	2.4	3.1	3.4	3.5	3.8	8.9	9.7	2.9	8.6
Taxicabs	3.1	2.9	3.0	3.1	3.3	– 2.2	3.4	3.3	6.5
Railway (commutation)	.3	.4	.5	.5	.5	10.1	25.0	-	-
Purchased intercity transportation [1]	15.9	18.4	21.0	22.0	21.9	5.0	14.1	4.8	– .5
Bus	1.2	1.2	1.2	1.2	1.1	-	-	-	–8.3
Airline	13.4	15.3	17.5	18.3	18.1	4.5	14.4	4.6	– 1.1
Recreation [1] [9]	115.0	152.1	166.3	183.8	196.0	9.8	10.7	9.2	7.7
Mags., newspapers, sheet music	10.4	12.0	12.7	12.9	13.7	4.9	5.8	1.8	6.2
Toys	31.8	38.4	44.5	46.8	48.8	6.5	15.9	5.2	32.8
Radio and television receivers, records and music	19.9	28.2	31.5	36.1	40.8	12.3	11.7	14.6	13.0
Private education and research	27.2	35.8	39.1	43.1	46.9	9.6	9.2	10.2	8.6
Religious and welfare activities	36.8	47.8	52.6	56.8	62.4	9.1	10.0	8.0	9.9

– Represents zero. [1] Includes other expenditures not shown separately. [2] Consists of purchases (including tips) of meals and beverages from retail, service and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunch rooms. [3] Includes mattresses and bed springs. [4] Consist largely of textile house furnishings including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes. [5] Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services. [6] Consist of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes. [7] Consist of (1) premiums, less benefits and dividends, for health, hospitalization and accidental death, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans. [8] Consist of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance. [9] For additional details, see table 363.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 677. Personal Consumption Expenditures, by Type of Product in Constant (1982) Dollars: 1980 to 1986

[In billions of dollars, except percent. Minus sign (–) indicates decrease]

Type of expenditure	1980	1983	1984	1985	1986	Average annual percent change: 1980–83	1983–84	1984–85	1985–86
Personal consumption expenditures	2,000.4	2,146.0	2,249.3	2,352.6	2,450.5	2.4	4.8	4.6	4.2
Durable goods	245.9	263.1	323.1	352.7	383.5	4.8	14.1	9.2	8.7
Motor vehicles and parts [1]	103.8	126.8	148.0	163.8	175.7	6.9	16.7	10.5	7.4
New autos	51.2	64.5	73.5	79.8	89.3	8.0	14.0	8.8	11.9
Net purchases of used autos	21.0	19.8	24.8	29.0	29.8	–1.9	25.3	16.9	2.8
Tires, tubes, accessories, etc.	18.1	22.5	24.8	26.5	26.8	7.5	10.2	6.9	.4
Furniture and household equipment [1]	95.4	106.1	118.4	130.2	144.7	3.6	11.6	10.0	11.1
Furniture, including mattresses and bedsprings	23.2	23.2	25.3	26.2	27.9	–	9.1	3.8	6.5
Kitchen, other household appliances	18.4	19.1	21.0	23.3	24.8	1.3	9.9	11.0	5.8
China, glassware, tableware, and utensils	10.6	11.0	12.0	12.5	12.8	1.2	9.1	4.2	2.4
Radio and television receivers [2]	20.4	29.1	34.4	42.0	51.6	12.6	18.2	22.1	22.9
Other durable goods	46.7	50.2	56.7	58.9	63.1	2.4	12.9	3.9	7.1
Nondurable goods	762.8	800.2	825.9	849.5	877.2	1.6	3.2	2.9	3.3
Food	394.9	414.0	422.8	436.5	444.9	1.6	2.1	3.2	1.9
Food purchased for off-premise consumption	272.4	288.1	292.0	302.5	305.9	1.9	1.4	3.6	1.1
Purchased meals and beverages	115.1	118.2	122.9	126.0	130.9	.9	4.0	2.5	3.9
Food furnished employees [3]	7.5	7.7	7.9	8.0	8.1	.9	2.6	1.3	1.2
Clothing and shoes	114.8	132.6	142.2	147.9	158.0	4.9	7.2	4.0	6.8
Shoes	18.3	20.1	21.2	22.5	24.0	3.2	5.5	6.1	6.7
Women's and children's clothing and accessories [4]	61.5	74.9	81.2	84.6	91.2	6.8	8.4	4.2	7.8
Men's and boys' clothing and accessories [4]	35.0	37.5	39.7	40.8	42.8	2.3	5.9	2.8	4.9
Gasoline and oil	88.4	93.2	94.5	96.5	100.3	1.8	1.4	2.1	3.9
Fuel oil and coal	21.8	18.6	18.5	18.9	21.5	–4.9	–.5	2.2	13.8
Other nondurable goods [1]	142.9	141.8	147.8	149.7	152.6	–.3	4.2	1.3	1.9
Tobacco products	24.9	23.7	24.0	23.8	23.7	–1.6	1.3	–.8	–.4
Toilet articles and preparations	19.8	19.2	20.0	20.3	20.7	–.7	4.2	1.5	2.0
Semidurable house furnishings	11.8	11.5	12.0	12.2	12.8	–.3	4.3	1.7	4.9
Cleaning and polishing preparations, etc.	23.4	22.9	23.8	23.8	24.3	–.7	3.9	–	2.1
Drug preparations and sundries	23.0	22.5	22.6	22.3	22.3	–.7	.4	–1.3	–
Nondurable toys and sport supplies	15.9	16.0	16.9	21.0	21.3	4.2	10.8	5.5	3.8
Services	991.9	1,052.7	1,100.3	1,150.4	1,189.8	2.3	3.5	4.6	3.4
Housing [1]	312.5	325.4	333.0	341.0	350.0	1.4	2.3	2.4	2.6
Owner-occupied nonfarm dwellings space rent	212.0	220.5	226.1	230.5	236.0	1.3	2.5	1.9	2.4
Tenant-occupied nonfarm dwellings rent	73.6	79.8	81.8	85.7	89.5	2.7	2.5	4.8	4.4
Rental value of farm dwellings	14.3	12.5	12.1	11.7	11.4	–4.4	–3.2	–3.3	–2.6
Household operation [1]	142.6	146.2	148.8	151.0	151.3	.8	1.8	1.5	.2
Electricity	47.0	49.4	50.4	52.2	52.9	1.7	2.0	3.6	1.3
Gas	26.0	24.7	24.9	25.2	23.9	–1.7	.8	1.2	–5.2
Water and other sanitary services	11.7	12.3	12.9	13.4	13.8	1.7	4.9	3.9	1.5
Telephone and telegraph	33.6	35.7	34.5	33.5	33.5	2.0	–3.4	–2.9	–
Domestic service	7.6	8.4	9.1	9.2	9.4	3.4	8.3	1.1	2.2
Transportation	77.4	71.4	75.9	81.0	84.4	–2.7	6.3	6.7	4.2
User-operated transportation	48.0	47.0	50.0	53.8	55.9	–.7	6.4	7.6	3.9
Purchased local transportation	7.5	8.4	8.4	8.5	8.5	5.1	–	1.6	–
Purchased intercity transportation [1]	21.9	18.0	19.5	20.7	22.0	–6.3	8.3	6.2	6.3
Railway (excluding commutation)	.5	.5	.5	.5	.5	–	–	–	–
Bus	1.5	1.1	1.0	1.0	.8	–9.8	–9.1	–	–20.0
Airline	18.7	15.1	16.5	17.6	19.0	–6.9	9.3	6.7	8.0
Medical care	200.8	222.3	232.0	240.8	251.9	3.5	4.4	3.8	4.6
Physicians	50.9	56.7	58.2	60.1	61.3	3.7	2.6	3.3	2.0
Dentists	16.2	17.4	17.2	17.3	17.4	2.4	–1.1	.6	.6
Other professional services	16.8	21.8	26.0	29.7	32.8	9.5	19.3	14.2	10.4
Privately controlled hospitals and sanitariums	100.9	112.0	115.7	118.2	124.0	3.5	3.3	2.2	4.9
Health insurance	16.0	14.5	14.9	15.5	16.4	–3.2	2.8	4.0	5.8
Other [1]	256.8	297.4	310.7	336.6	352.3	4.7	4.5	8.3	4.7
Personal care [1]	25.0	26.8	27.0	28.4	29.6	2.1	1.5	5.2	4.2
Cleaning, storage, repair of clothes and shoes	7.7	7.2	7.7	7.7	7.8	–2.2	6.9	–	–1.3
Barbershops, beauty parlors, baths, health clubs	12.4	13.2	13.3	13.9	14.8	2.1	.8	4.5	5.0
Personal business [1]	111.2	124.4	127.4	139.3	148.2	3.8	2.4	9.3	6.4
Brokerage charges and investment counseling	9.0	11.8	11.3	15.5	20.3	9.4	–4.2	37.2	31.0
Recreation	48.1	59.2	61.5	66.1	67.9	7.2	3.9	7.5	2.7
Private education and research [1]	31.9	34.3	35.8	38.2	40.1	2.6	4.4	6.7	5.0
Higher education	11.7	12.5	12.8	13.5	13.5	2.2	2.4	5.5	–
Elementary and secondary schools	10.8	11.3	11.8	12.3	12.8	1.5	2.7	6.0	4.1
Religious and welfare activities	42.0	46.4	49.3	52.0	56.2	3.4	6.2	5.5	8.1

– Represents zero. [1] Includes expenditures not shown separately. [2] Includes musical instruments and records. [3] Includes military and food produced and consumed on farms. [4] Except shoes.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 678. Personal Income and Its Disposition: 1970 to 1986

[In billions of dollars, except percent. For definition of personal in come, see text, section 14]

ITEM	1970	1980	1981	1982	1983	1984	1985	1986
Personal income	**831.8**	**2,258.5**	**2,520.9**	**2,670.8**	**2,838.8**	**3,106.7**	**3,327.0**	**3,534.3**
Wage and salary disbursements	551.5	1,372.0	1,510.3	1,586.1	1,676.6	1,838.6	1,974.9	2,089.1
Commodity-producing industry [1]	203.7	470.7	512.2	511.7	523.1	577.6	609.2	623.3
Manufacturing	158.4	355.6	386.7	384.0	397.4	439.1	460.9	470.5
Distributive industries [2]	131.2	335.5	366.8	384.2	404.2	442.8	473.0	497.1
Service industries [3]	99.4	305.6	346.9	384.4	425.1	472.1	520.4	573.9
Government and government enterprises	117.1	260.2	284.4	305.9	324.3	346.1	372.3	394.8
Other labor income	32.5	138.4	150.3	163.6	173.6	182.9	192.3	201.1
Proprietors' income [4]	80.2	180.7	186.8	175.5	190.9	234.5	257.3	269.8
Rental income of persons [5]	18.2	8.6	13.3	13.8	13.2	8.5	9.0	16.7
Personal dividend income	22.2	52.9	61.3	63.9	68.7	75.5	76.3	81.2
Personal interest income	69.3	271.9	335.4	369.7	393.1	444.7	476.5	497.6
Transfer payments	85.9	324.7	366.1	410.8	442.6	456.8	489.7	518.3
Old-age survivors disability and health insurance benefits	38.5	154.2	182.0	204.5	221.7	235.7	253.4	269.2
Other	47.5	170.5	186.2	206.1	220.9	220.9	236.3	249.2
Less: Personal contributions for social insurance	27.9	86.6	104.5	112.3	120.1	132.7	148.9	159.6
Less: Personal tax and nontax payments	116.2	340.5	393.3	409.3	410.5	440.2	485.9	512.2
Equals: Disposable personal income	715.6	1,918.0	2,127.6	2,261.4	2,428.1	2,666.6	2,841.1	3,022.1
Less: Personal outlays [6]	657.9	1,781.1	1,998.1	2,107.5	2,297.4	2,504.1	2,714.1	2,891.5
Personal consumption expenditures	640.0	1,732.6	1,915.1	2,050.7	2,234.5	2,430.5	2,629.4	2,799.8
Interest paid by consumers	16.7	47.4	52.0	55.5	61.9	72.5	82.7	89.9
Personal transfer payments to foreigners	1.2	1.1	1.0	1.3	1.0	1.5	2.0	1.7
Equals: Personal saving	57.7	136.9	159.4	153.9	130.6	164.1	127.1	130.6
Percent of disposable personal income	8.1	7.1	7.5	6.8	5.4	6.1	4.5	4.3
Real disposable personal income [7]	1,668.1	2,214.3	2,248.6	2,261.5	2,331.9	2,469.8	2,542.2	2,645.1
Annual percent change [8]	4.1	.1	1.5	.6	3.1	5.9	2.9	4.0
PERCENT DISTRIBUTION								
Personal income	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Wage and salary disbursements	66.3	60.7	59.9	59.4	59.1	59.1	59.4	59.1
Other labor income	3.9	6.1	6.0	6.1	6.1	5.9	5.8	5.7
Proprietors' income [4]	9.6	8.0	7.4	6.6	6.7	7.5	7.7	8.2
Rental income of persons [5]	2.2	.3	.5	.5	.5	.3	.3	.5
Personal dividend income	2.7	2.3	2.4	2.4	2.4	2.4	2.3	2.3
Personal interest income	8.3	12.0	13.3	13.8	13.8	14.3	14.3	14.1
Transfer payments [9]	10.3	14.4	14.6	15.4	15.6	14.7	14.7	14.7
Personal contributions for social insurance	-3.4	-3.9	-4.1	-4.2	-4.2	-4.3	-4.5	-4.5

[1] Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. [2] Comprises transportation; communication; electric, gas, and sanitary services; and trade. [3] Comprises finance, insurance, and real estate; services; and rest of the world. [4] With capital consumption and inventory valuation adjustments. [5] With capital consumption adjustment. [6] Includes personal transfer payments to foreigners (net) not shown separately. [7] 1982 prices. [8] Represents average for period of intervals shown here; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

No. 679. Gross Saving and Investment: 1970 to 1986

[In billions of dollars]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Gross saving	**154.7**	**238.7**	**408.6**	**458.4**	**445.0**	**522.0**	**446.4**	**463.6**	**568.5**	**531.3**	**532.0**
Gross private saving	164.5	303.6	409.0	445.8	478.4	550.5	557.1	592.2	673.5	664.2	679.8
Personal saving	57.7	104.6	110.2	118.1	136.9	159.4	153.9	130.6	164.1	127.1	130.6
Undistributed corporate profits [1]	17.9	37.1	69.0	82.0	37.7	43.2	20.0	65.0	94.0	99.8	92.6
Undistributed profits	19.2	54.3	105.2	119.1	97.6	81.8	39.6	56.9	67.0	46.6	40.0
Inventory valuation adjustment	-6.8	-11.0	-25.3	-43.2	-43.1	-24.2	-10.4	-10.9	-5.8	-.7	6.5
Capital consumption adjustment	5.2	-6.2	-10.9	-14.0	-16.8	-14.4	-9.2	17.0	32.7	53.5	46.0
Corporate CCA [2]	52.0	96.4	137.2	158.3	181.4	210.7	235.0	242.7	254.5	269.1	282.8
Noncorporate CCA [3]	36.9	65.4	92.7	107.4	122.4	137.1	148.2	153.9	160.9	168.5	173.8
Government surplus or deficit ( ) [3]	-10.6	-64.9	-.4	11.5	-34.5	-29.7	-110.8	-128.6	-105.0	-132.9	-147.8
Federal	-12.4	-69.4	-29.3	-18.1	-61.3	-63.8	-145.9	-176.0	-169.6	-196.0	-204.7
State and local	1.8	4.5	28.9	27.6	26.8	34.1	35.1	47.5	64.6	63.1	56.8
Capital grants received by U.S. (net)	.9	–	–	1.1	1.2	1.1	–	–	–	–	–
Gross investment	153.6	241.2	406.7	457.4	450.0	526.1	446.3	468.8	573.9	525.7	527.1
Gross private domestic investment	148.8	219.6	416.8	454.8	437.0	515.5	447.3	502.3	664.8	641.6	671.0
Net foreign investment	4.8	21.6	-10.1	2.6	13.0	10.6	-1.0	-33.5	-90.9	-115.9	-143.9
Statistical discrepancy	-1.1	2.5	-1.9	-1.0	4.9	4.1	-.1	5.2	5.4	-5.6	-4.9

– Represents zero. [1] With inventory valuation and capital consumption adjustment.
[2] Capital consumption allowances with capital consumption adjustment. [3] National income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

No. 680. Disposable Personal Income Per Capita in Current and Constant (1982) Dollars—States: 1980 to 1986

[For composition of regions, see fig. I, inside front cover]

Region, division, and state	Current dollars						Constant (1982) dollars			
					Income rank					
	1980	1984	1985	1986	1980	1986	1980	1984	1985	1986
U.S	8,424	11,258	11,876	12,521	(x)	(x)	9,705	10,414	10,613	10,984
Region:										
Northeast	8,965	12,412	13,146	14,085	(x)	(x)	10,328	11,482	11,748	12,334
Midwest	8,829	11,644	12,298	13,085	(x)	(x)	10,172	10,771	10,990	11,458
South	9,273	13,295	14,193	14,946	(x)	(x)	10,683	12,299	12,684	13,088
West	11,893	16,470	17,703	18,946	(x)	(x)	13,472	15,236	15,821	16,591
New England	8,936	12,744	13,506	14,575	(x)	(x)	10,295	11,789	12,070	12,763
Maine	7,224	9,801	10,366	11,106	39	32	8,323	9,067	9,264	9,725
New Hampshire	8,524	12,236	12,971	13,891	15	8	9,820	11,319	11,592	12,164
Vermont	7,411	9,987	10,603	11,354	35	29	8,538	9,239	9,475	9,942
Massachusetts	8,926	12,913	13,799	14,836	13	4	10,283	11,945	12,305	12,991
Rhode Island	8,129	11,434	11,966	12,834	26	15	9,365	10,577	10,683	11,238
Connecticut	10,196	14,534	15,305	16,872	2	1	11,747	13,445	13,877	14,599
Middle Atlantic	8,975	12,300	13,024	13,918	(x)	(x)	10,340	11,378	11,639	12,187
New York	8,963	12,493	13,172	14,070	10	7	10,326	11,557	11,771	12,320
New Jersey	9,828	13,918	14,791	15,927	4	2	11,323	12,875	13,218	13,947
Pennsylvania	8,462	10,990	11,674	12,403	18	21	9,749	10,167	10,433	10,861
East North Central	8,546	11,167	11,776	12,468	(x)	(x)	9,846	10,330	10,524	10,918
Ohio	8,276	10,841	11,404	12,015	24	24	9,535	10,029	10,191	10,521
Indiana	7,877	10,241	10,682	11,291	31	30	9,075	9,474	9,546	9,887
Illinois	9,154	12,120	12,741	13,518	8	9	10,546	11,212	11,386	11,837
Michigan	8,823	11,119	11,879	12,598	14	18	9,834	10,286	10,618	11,032
Wisconsin	8,318	10,761	11,348	12,055	20	22	9,581	9,955	10,141	10,556
West North Central	8,075	10,784	11,386	12,163	(x)	(x)	9,303	9,976	10,157	10,651
Minnesota	8,410	11,302	11,893	13,117	17	11	9,689	10,455	10,626	11,486
Iowa	8,013	10,331	10,807	11,540	27	28	9,232	9,557	9,658	10,105
Missouri	7,952	10,649	11,324	11,933	28	25	9,161	9,851	10,120	10,449
North Dakota	7,339	10,317	10,583	11,100	37	33	8,455	9,544	9,458	9,720
South Dakota	7,323	9,505	10,032	10,730	38	34	8,437	8,793	8,965	9,396
Nebraska	7,871	10,763	11,429	12,051	32	23	9,068	9,957	10,214	10,553
Kansas	8,387	11,233	11,771	12,500	18	20	9,662	10,391	10,519	10,946
South Atlantic	7,782	10,653	11,287	11,939	(x)	(x)	8,965	9,855	10,087	10,454
Delaware	8,251	11,046	11,734	12,745	25	17	9,506	10,218	10,486	11,160
Maryland	8,960	12,487	13,402	14,091	11	6	10,323	11,551	11,977	12,339
District of Columbia	10,248	14,122	15,202	15,955	(x)	(x)	11,806	13,064	13,585	13,971
Virginia	8,287	11,492	12,271	12,993	23	13	9,547	10,631	10,966	11,377
West Virginia	6,773	8,355	8,810	9,479	46	49	7,803	7,729	7,873	8,300
North Carolina	6,818	9,517	9,915	10,543	45	37	7,855	8,804	8,861	9,232
South Carolina	6,503	8,812	9,238	9,685	48	46	7,492	8,152	8,256	8,481
Georgia	7,090	9,938	10,568	11,122	41	31	8,168	9,193	9,444	9,739
Florida	9,385	11,254	11,894	12,576	19	19	9,660	10,411	10,629	11,012
East South Central	8,090	8,809	9,206	9,722	(x)	(x)	7,707	8,149	8,227	8,513
Kentucky	6,948	8,984	9,271	9,933	43	40	8,005	8,311	8,285	8,696
Tennessee	6,988	9,339	9,830	10,395	42	39	8,051	8,639	8,785	9,102
Alabama	6,574	8,736	9,162	9,591	47	48	7,574	8,081	8,188	8,396
Mississippi	5,954	7,705	8,044	8,395	50	50	6,859	7,128	7,189	7,351
West South Central	7,919	10,424	10,908	10,913	(x)	(x)	9,123	9,643	9,748	9,556
Arkansas	6,483	8,599	9,200	9,857	49	43	7,469	7,955	8,222	8,631
Louisiana	7,406	9,559	9,809	9,827	36	45	8,532	8,843	8,766	8,605
Oklahoma	7,941	9,957	9,893	9,837	29	44	9,149	9,211	8,841	8,614
Texas	8,296	11,027	11,659	11,569	22	27	9,558	10,201	10,419	10,130
Mountain	8,094	10,412	10,943	11,360	(x)	(x)	9,325	9,632	9,779	9,947
Montana	7,693	9,347	9,686	10,446	33	36	8,863	8,647	8,656	9,147
Idaho	7,452	9,157	9,541	9,873	34	42	8,585	8,471	8,526	8,645
Wyoming	9,421	10,269	10,825	10,675	6	26	10,854	9,500	9,674	9,348
Colorado	8,943	12,153	12,540	12,765	12	16	10,303	11,242	11,206	11,178
New Mexico	7,143	8,962	9,718	9,890	40	41	8,229	8,290	8,683	8,660
Arizona	7,933	10,465	11,137	11,767	30	29	9,139	9,681	9,953	10,304
Utah	6,875	8,751	9,172	9,665	44	47	7,921	8,095	8,197	8,463
Nevada	9,714	11,780	12,447	13,071	5	12	11,191	10,897	11,123	11,446
Pacific	9,857	12,651	13,351	14,058	(x)	(x)	11,126	11,703	11,931	12,310
Washington	9,216	11,919	12,531	13,194	7	10	10,818	11,026	11,198	11,553
Oregon	8,301	10,413	10,849	10,726	21	35	9,563	9,633	9,695	9,392
California	9,878	12,999	13,737	14,553	3	5	11,378	12,025	12,278	12,743
Alaska	11,568	15,433	15,961	15,453	1	3	13,327	14,277	14,264	13,532
Hawaii	9,064	11,480	12,196	12,893	9	14	10,442	10,620	10,899	11,290

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues, and unpublished data.

Digitized by Google

No. 681. Personal Income in Current and Constant (1982) Dollars—States: 1970 to 1986

[1986 preliminary. Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 672, 673, and 678. See text, section 14. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Current dollars (bil. dol.)				Constant (1982) dollars								
					Total (bil. dol.)				Percent change			Percent of U.S.	
	1970	1980	1985	1986	1970	1980	1985	1986	1970–1980	1980–1985	1985–1986	1970	1986
U.S.	825.5	2,254.1	3,320.1	3,529.5	1,846.8	2,596.9	2,966.7	3,066.0	40.6	14.4	4.0	100.0	100.0
Region:													
Northeast	223.8	521.5	776.8	834.0	500.7	600.8	694.8	729.7	20.0	15.7	5.0	27.1	23.6
Midwest	229.4	564.4	804.1	849.7	513.1	673.3	719.2	743.4	31.2	6.8	3.4	27.8	24.1
South	218.5	677.4	1,033.1	1,089.5	488.9	780.4	924.1	953.2	59.6	18.4	3.2	26.5	30.9
West	153.9	470.8	706.1	756.3	344.2	542.3	631.5	661.7	57.8	16.5	4.8	18.6	21.4
N.E.	52.8	130.4	201.7	218.6	118.1	150.2	180.5	191.3	27.2	20.1	6.0	6.4	6.1
ME	3.4	9.3	13.8	15.0	7.6	10.7	12.4	13.1	40.6	15.8	6.3	.4	.4
NH	2.9	9.1	14.8	16.3	6.5	10.4	13.3	14.3	61.5	27.4	7.7	.3	.4
VT	1.6	4.4	6.7	7.2	3.6	5.1	5.9	6.3	40.7	17.4	6.3	.2	.2
MA	25.8	61.0	95.4	103.4	57.6	70.2	85.3	90.4	21.9	21.5	6.0	3.1	2.9
RI	3.9	9.0	13.2	14.2	8.6	10.4	11.8	12.4	20.8	13.8	5.1	.5	.4
CT	15.3	37.7	57.8	62.5	34.2	43.4	51.7	54.7	26.8	19.1	5.8	1.9	1.7
M.A.	171.0	391.1	575.1	615.4	382.6	450.6	514.4	538.4	17.8	14.2	4.7	20.7	17.3
NY	88.7	188.3	282.9	304.1	198.5	216.9	253.1	266.1	9.3	16.7	5.1	10.7	8.5
NJ	34.8	85.4	131.5	141.9	77.3	98.4	117.7	124.2	27.3	19.6	5.5	4.2	4.0
PA	47.7	117.5	160.8	169.4	106.8	135.3	143.7	148.2	26.7	6.2	3.2	5.8	4.8
E.N.C.	167.4	420.3	571.7	603.8	374.5	484.3	511.4	528.3	29.3	5.6	3.3	20.3	17.2
OH	43.0	105.0	142.7	149.8	96.3	121.0	127.8	131.1	25.7	5.5	2.7	5.2	4.3
IN	19.6	50.8	68.4	72.3	43.9	58.5	61.2	63.3	33.3	4.5	3.4	2.4	2.1
IL	50.6	124.0	170.6	180.1	113.8	142.9	152.6	157.5	25.6	6.8	3.2	6.1	5.1
MI	36.8	94.1	127.3	135.1	82.3	108.4	113.8	118.2	31.8	5.0	3.9	4.5	3.8
WI	17.2	46.4	62.8	66.6	38.5	53.5	56.2	58.2	38.9	5.1	3.7	2.1	1.9
W.N.C.	82.0	164.1	232.4	245.9	138.7	199.0	207.9	215.2	36.3	10.9	3.5	7.5	7.0
MN	15.2	41.1	59.3	63.2	34.1	47.4	53.0	55.3	38.9	12.0	4.2	1.8	1.8
IA	10.8	27.8	36.1	38.1	24.1	32.0	32.2	33.3	33.1	.6	3.3	1.3	1.1
MO	17.8	45.8	66.1	69.9	39.9	52.7	59.1	61.1	32.1	12.1	3.4	2.2	2.0
ND	1.9	5.8	8.2	8.5	4.3	6.4	7.3	7.4	48.8	13.5	1.4	.2	.2
SD	2.1	5.7	7.8	8.4	4.8	6.5	7.0	7.3	37.1	6.8	4.7	.3	.2
NE	5.8	14.8	20.9	22.0	12.5	16.8	18.7	19.2	34.3	11.4	2.6	.7	.6
KS	8.5	23.8	34.1	36.0	19.0	27.1	30.5	31.5	43.2	12.3	3.5	1.0	1.0
S.A.	113.8	340.8	534.9	576.3	254.5	392.4	478.5	504.2	54.2	21.9	5.4	13.8	16.1
DE	2.5	6.1	8.9	9.5	5.7	7.0	8.0	8.3	24.3	13.4	4.4	.3	.3
MD	17.8	45.7	70.1	75.3	39.4	52.6	62.7	65.9	33.5	19.1	5.1	2.1	2.1
DC	4.0	7.8	11.4	12.1	8.9	9.0	10.2	10.6	1.7	13.5	3.8	.5	.3
VA	17.4	52.7	82.8	89.2	39.0	60.7	73.8	78.0	55.8	21.6	5.7	2.1	2.5
WV	5.4	15.5	19.5	20.3	12.0	17.8	17.5	17.8	48.1	−1.9	1.7	.7	.6
NC	16.5	47.2	73.2	78.8	36.9	54.4	65.5	68.9	47.2	20.4	5.3	2.0	2.2
SC	7.8	23.8	35.8	38.2	17.5	27.4	32.1	33.4	57.0	17.0	4.1	.9	1.1
GA	15.8	45.8	75.5	82.1	34.8	52.8	67.5	71.8	51.7	28.0	6.3	1.9	2.3
FL	27.0	96.1	157.9	171.0	60.4	110.7	141.3	149.8	83.3	27.6	5.9	3.3	4.8
E.S.C.	38.5	113.9	161.5	171.0	86.1	131.2	144.4	149.8	52.4	10.1	3.6	4.7	4.9
KY	10.2	29.4	40.1	41.9	22.7	33.9	35.9	36.7	49.1	6.0	2.2	1.2	1.2
TN	12.4	37.0	53.8	57.7	27.8	42.6	48.1	50.4	53.4	13.0	4.8	1.5	1.6
AL	10.2	30.1	43.3	45.9	22.7	34.6	38.7	40.2	52.4	11.8	3.8	1.2	1.3
MS	5.8	17.5	24.3	25.5	12.9	20.2	21.7	22.3	56.3	7.8	2.8	.7	.7
W.S.C.	86.3	222.9	336.7	342.1	148.2	256.8	301.2	299.3	73.2	17.3	−.6	8.0	10.1
AR	5.5	17.1	24.9	26.3	12.2	19.7	22.3	23.0	61.5	13.0	3.2	.7	.8
LA	11.2	36.7	50.5	50.4	25.1	42.3	45.2	44.1	68.6	6.9	−2.5	1.4	1.5
OK	8.8	28.6	40.2	40.8	19.7	32.9	36.0	35.5	66.9	9.3	−1.3	1.1	1.2
TX	40.8	140.5	221.1	224.9	91.2	161.9	197.7	196.7	77.4	22.2	−.5	4.9	6.7
Mt.	31.1	108.1	162.6	171.9	69.8	124.6	145.4	150.4	79.1	16.7	3.4	3.8	4.9
MT	2.5	7.0	9.1	9.7	5.5	8.1	8.2	8.5	47.5	.4	3.8	.3	.3
ID	2.5	8.1	10.9	11.3	5.6	9.4	9.8	9.8	66.4	4.1	1.0	.3	.3
WY	1.3	5.4	6.8	6.5	2.8	6.2	5.9	5.7	118.8	−4.9	−3.8	.2	.2
CO	9.0	30.8	47.5	49.8	20.0	35.5	42.5	43.5	77.4	19.8	2.5	1.1	1.4
NM	3.2	10.7	18.3	16.9	7.2	12.3	14.8	14.8	71.3	17.9	1.8	.4	.5
AZ	6.8	25.1	40.9	44.7	15.2	28.9	36.6	39.1	90.0	26.7	6.9	.8	1.2
UT	3.5	11.7	17.5	18.3	7.9	13.5	15.7	16.0	71.7	16.3	2.0	.4	.5
NV	2.4	9.3	13.8	14.9	5.4	10.7	12.3	13.0	98.0	15.7	5.8	.3	.4
Pac.	122.8	362.6	543.5	584.3	274.6	417.8	486.1	511.2	52.1	16.4	5.2	14.9	16.4
WA	14.2	44.6	62.3	67.0	31.8	51.4	55.7	58.6	61.3	8.5	5.2	1.7	1.9
OR	8.2	26.1	34.1	36.0	18.3	30.0	30.5	31.5	64.3	1.5	3.2	1.0	1.0
CA	95.0	276.1	422.7	456.1	212.6	318.1	378.1	399.0	49.6	18.9	5.6	11.5	12.7
AK	1.5	5.8	9.8	9.5	3.5	6.5	8.8	8.3	86.7	33.6	−3.6	.2	.3
HI	3.8	10.3	14.8	15.8	8.4	11.8	13.2	13.8	40.3	11.8	4.5	.5	.4

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues, and unpublished data.

Digitized by Google

No. 682. Personal Income Per Capita in Current and Constant (1982) Dollars—States: 1970 to 1986

[See headnote, table 681]

Region, division, and state	Current dollars					Income rank		Constant (1982) dollars				
	1970	1980	1984	1985	1986	1980	1986	1970	1980	1984	1985	1986
U.S.	**4,051**	**9,919**	**13,114**	**13,907**	**14,641**	(x)	(x)	**9,063**	**11,427**	**12,131**	**12,439**	**12,832**
Region:												
Northeast	4,553	10,604	14,815	15,591	16,875	(x)	(x)	10,186	12,216	13,520	13,945	14,615
Midwest	4,047	9,920	12,852	13,582	14,326	(x)	(x)	9,055	11,428	11,889	12,148	12,556
South	3,487	8,944	11,905	12,617	13,126	(x)	(x)	7,757	10,304	11,013	11,285	11,506
West	4,401	10,842	13,939	14,764	15,510	(x)	(x)	9,847	12,491	12,894	13,205	13,594
New England	**4,445**	**10,542**	**14,906**	**15,939**	**17,166**	(x)	(x)	**9,944**	**12,145**	**13,789**	**14,257**	**15,045**
Maine	3,405	8,224	11,201	11,857	12,790	39	33	7,817	9,475	10,362	10,606	11,209
New Hampshire	3,890	9,789	13,801	14,860	15,911	23	8	8,702	11,278	12,767	13,292	13,945
Vermont	3,604	8,578	11,538	12,415	13,348	35	29	8,063	9,882	10,873	11,105	11,699
Massachusetts	4,514	10,612	15,296	16,393	17,722	12	4	10,098	12,226	14,152	14,663	15,532
Rhode Island	4,050	9,516	12,993	13,682	14,579	27	20	9,060	10,963	12,019	12,238	12,777
Connecticut	5,037	12,110	17,036	18,229	19,600	2	1	11,268	13,952	15,759	16,305	17,178
Middle Atlantic	**4,588**	**10,824**	**14,516**	**15,472**	**16,508**	(x)	(x)	**10,264**	**12,240**	**13,428**	**13,839**	**14,468**
New York	4,855	10,718	14,967	15,942	17,111	10	5	10,861	12,348	13,846	14,259	14,996
New Jersey	4,805	11,579	16,268	17,398	18,626	4	2	10,749	13,340	15,049	15,562	16,324
Pennsylvania	4,042	9,893	12,738	13,540	14,249	18	21	9,043	11,397	11,784	12,111	12,488
East North Central	**4,151**	**10,079**	**12,980**	**13,727**	**14,467**	(x)	(x)	**9,286**	**11,612**	**12,007**	**12,278**	**12,679**
Ohio	4,033	9,723	12,568	13,278	13,933	25	22	9,022	11,202	11,627	11,875	12,211
Indiana	3,771	9,248	11,845	12,431	13,136	31	32	8,436	10,654	10,957	11,119	11,513
Illinois	4,563	10,840	14,063	14,788	15,586	7	9	10,208	12,488	13,009	13,227	13,660
Michigan	4,133	10,165	13,001	14,003	14,775	15	17	9,246	11,711	12,027	12,525	12,949
Wisconsin	3,889	9,846	12,561	13,147	13,909	20	23	8,700	11,343	11,620	11,759	12,190
West North Central	**3,791**	**9,533**	**12,546**	**13,238**	**13,992**	(x)	(x)	**8,481**	**10,983**	**11,606**	**11,841**	**12,263**
Minnesota	3,995	10,062	13,402	14,147	14,994	16	15	8,937	11,592	12,398	12,654	13,141
Iowa	3,904	9,536	11,943	12,510	13,348	26	30	8,510	10,986	11,048	11,190	11,699
Missouri	3,809	9,296	12,386	13,121	13,789	29	24	8,521	10,710	11,458	11,736	12,085
North Dakota	3,129	8,539	11,521	11,934	12,472	37	35	7,000	9,838	10,658	10,674	10,931
South Dakota	3,200	8,218	10,586	11,034	11,814	40	39	7,159	9,468	9,793	9,869	10,354
Nebraska	3,759	9,272	12,312	13,042	13,742	30	25	8,409	10,682	11,389	11,665	12,044
Kansas	3,770	9,941	13,137	13,907	14,650	17	18	8,434	11,453	12,153	12,439	12,840
South Atlantic	**3,894**	**9,171**	**12,466**	**13,302**	**14,086**	(x)	(x)	**8,264**	**10,566**	**11,532**	**11,898**	**12,345**
Delaware	4,587	10,241	13,442	14,306	15,010	14	13	10,262	11,798	12,435	12,798	13,155
Maryland	4,475	10,809	14,849	15,948	16,864	8	7	10,011	12,453	13,736	14,265	14,780
District of Columbia	5,250	12,279	17,037	18,362	19,397	(x)	(x)	11,745	14,146	15,760	16,424	17,000
Virginia	3,743	9,818	13,498	14,477	15,408	21	11	8,374	11,311	12,487	12,949	13,504
West Virginia	3,078	7,918	9,680	10,079	10,576	46	49	6,886	9,120	8,955	9,015	9,269
North Carolina	3,236	7,996	11,001	11,685	12,436	44	36	7,239	9,214	10,177	10,452	10,901
South Carolina	3,004	7,587	10,171	10,749	11,299	48	43	6,720	8,741	9,409	9,614	9,903
Georgia	3,377	8,350	11,805	12,638	13,446	38	28	7,555	9,620	10,920	11,304	11,784
Florida	3,943	9,765	13,033	13,897	14,646	24	19	8,821	11,250	12,056	12,430	12,836
East South Central	**2,997**	**7,750**	**10,127**	**10,669**	**11,243**	(x)	(x)	**6,705**	**8,929**	**9,368**	**9,543**	**9,854**
Kentucky	3,141	8,018	10,340	10,759	11,238	43	44	7,027	9,237	9,565	9,623	9,849
Tennessee	3,151	8,027	10,835	11,284	12,002	42	38	7,049	9,248	9,838	10,093	10,519
Alabama	2,945	7,704	10,115	10,760	11,336	47	42	6,588	8,876	9,357	9,624	9,935
Mississippi	2,597	6,927	8,918	9,279	9,716	50	50	5,810	7,980	8,248	8,300	8,515
West South Central	**3,418**	**9,325**	**12,081**	**12,686**	**12,735**	(x)	(x)	**7,647**	**10,743**	**11,176**	**11,349**	**11,161**
Arkansas	2,827	7,470	9,955	10,553	11,073	49	47	6,324	8,606	9,209	9,439	9,705
Louisiana	3,071	8,682	10,946	11,267	11,198	34	46	6,870	10,002	10,126	10,078	9,810
Oklahoma	3,436	9,395	11,725	12,173	12,283	28	37	7,687	10,824	10,846	10,888	10,765
Texas	3,629	9,795	12,780	13,486	13,478	22	26	8,119	11,285	11,822	12,064	11,812
Mountain	**3,725**	**9,442**	**12,045**	**12,704**	**13,203**	(x)	(x)	**8,333**	**10,878**	**11,142**	**11,363**	**11,571**
Montana	3,528	8,924	10,826	11,031	11,803	33	40	7,893	10,281	10,015	9,867	10,344
Idaho	3,467	8,570	10,361	10,859	11,223	36	45	7,756	9,873	9,585	9,713	9,838
Wyoming	3,797	11,339	12,252	12,940	12,781	6	34	8,494	13,063	11,334	11,574	11,202
Colorado	4,025	10,597	14,092	14,683	15,234	13	12	9,004	12,209	13,036	13,133	13,351
New Mexico	3,145	8,174	10,500	11,210	11,422	41	41	7,036	9,417	9,713	10,027	10,011
Arizona	3,789	9,181	11,969	12,818	13,474	32	27	8,477	10,554	11,072	11,465	11,809
Utah	3,297	7,953	10,110	10,661	10,981	45	48	7,376	9,162	9,352	9,536	9,624
Nevada	4,878	11,421	13,825	14,713	15,437	5	10	10,913	13,158	12,789	13,160	13,529
Pacific	**4,614**	**11,344**	**14,632**	**15,516**	**16,351**	(x)	(x)	**10,322**	**13,069**	**13,536**	**13,879**	**14,330**
Washington	4,165	10,727	13,411	14,128	15,009	9	14	9,318	12,358	12,406	12,637	13,154
Oregon	3,889	9,864	12,048	12,687	13,328	19	31	8,700	11,364	11,145	11,348	11,681
California	4,748	11,803	15,097	16,036	16,904	3	8	10,617	13,368	13,966	14,343	14,815
Alaska	5,073	13,830	18,109	18,444	17,796	1	3	11,349	15,933	16,752	16,497	15,597
Hawaii	4,944	10,818	13,161	14,080	14,886	11	18	11,060	12,230	12,175	12,594	13,046

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues; and unpublished data.

Digitized by Google

NO. 683. PERCENT DISTRIBUTION AND AVERAGE ANNUAL PERCENT CHANGE OF SHARES OF NATIONAL INCOME, BY TYPE: 1970 TO 1986

[For definition of average annual percent change, see Guide to Tabular Presentation. See also headnote, table 674]

TYPE OF INCOME	PERCENT DISTRIBUTION						AVG. ANNUAL PERCENT CHANGE				
	1970	1975	1980	1984	1985	1986	1970–1975	1975–1980	1980–1984	1984–1985	1985–1986
National income, total	100.0	100.0	100.0	100.0	100.0	100.0	9.1	11.3	11.4	6.6	5.9
Compensation of employees	74.3	73.8	74.3	73.1	73.4	73.2	8.9	11.5	9.6	7.1	5.7
Wages and salaries	66.2	63.2	62.3	60.7	61.1	61.0	8.1	11.0	9.7	7.4	5.8
Supplements to wages, salaries	8.0	10.4	12.1	12.4	12.3	12.2	14.9	14.7	8.9	5.8	5.0
Proprietors' income [1]	9.6	9.7	8.2	7.7	8.0	8.5	9.4	7.6	22.8	9.7	12.6
Farm	1.8	2.0	.9	1.0	.9	1.1	11.6	−4.2	−146.0	−2.6	25.3
Nonfarm	7.9	7.8	7.3	6.7	7.0	7.4	8.9	9.9	14.3	11.6	11.0
Rental income of persons [2]	2.2	1.0	.3	.3	.3	.5	−5.8	−13.3	−35.6	5.9	85.8
Corporate profits [1]	9.0	9.1	8.0	8.8	8.8	8.3	9.5	8.5	24.9	4.0	2.4
Profits before tax	9.1	10.5	10.6	7.9	7.0	6.8	12.1	12.0	15.6	−6.3	3.2
Profits after tax	5.0	6.5	6.9	4.8	4.0	3.7	15.0	12.7	12.0	−12.3	−1.0
Inventory valuation adjustment	−.8	−.9	−2.0	−.2	(−z)	.2	(x)	(x)	(x)	(x)	(x)
Capital consumption adjustment	.8	−.5	−.8	1.1	1.7	1.3	(x)	(x)	92.4	63.6	−14.0
Net interest	4.9	6.5	9.1	10.1	9.8	9.5	15.3	19.1	8.5	3.4	3.4

X Not applicable. Z Less than .05 percent. [1] See footnote 1, table 674. [2] See footnote 2, table 674.

Source: Compiled by U.S. Bureau of the Census; based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

NO. 684. FLOW OF FUNDS ACCOUNTS—COMPOSITION OF INDIVIDUALS' SAVINGS: 1970 TO 1986

[**In billions of dollars.** Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (−) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series F 566–594, for similar but not exactly comparable data]

COMPOSITION OF SAVINGS	1970	1975	1980	1981	1982	1983	1984	1985	1986
Increase in financial assets	82.4	171.7	333.7	363.7	402.3	468.3	551.7	560.5	514.1
Checkable deposits and currency	8.9	5.9	12.8	30.0	19.3	39.5	19.1	45.1	98.7
Time and savings deposits	43.6	76.8	126.2	66.2	126.7	198.6	224.6	140.0	109.3
Money market fund shares	-	1.3	29.2	107.5	24.7	−44.1	47.2	−2.2	20.8
Securities	−.2	8.2	13.3	14.6	75.2	104.8	99.6	180.2	107.4
U.S. savings bonds	.3	4.0	−7.3	−4.3	.2	3.1	3.0	5.3	13.8
Other U.S. Treasury securities	−11.3	12.8	27.0	38.1	53.3	63.6	71.8	−10.3	−65.9
U.S. Government agency securities	6.4	−4.7	7.0	11.4	2.2	−6.2	36.4	65.8	59.4
Tax-exempt obligations	−.9	6.2	7.0	11.0	24.7	37.8	28.7	59.4	14.9
Corporate and foreign bonds	10.7	6.9	−11.7	−4.0	2.0	−12.7	−3.4	13.2	12.3
Open-market paper	−3.7	−11.6	−2.2	−8.6	−9.2	4.4	−.5	47.8	−31.1
Mutual fund shares	2.6	−.1	4.5	6.0	16.8	32.1	38.0	103.4	191.7
Other corporate equities	−4.3	−7.9	−10.8	−34.9	−14.7	−17.3	−74.3	−104.2	−115.4
Private life insurance reserves	5.2	7.9	9.7	8.9	7.0	7.8	5.0	10.4	10.2
Private insured pension reserves	2.9	8.7	22.3	29.5	39.7	40.2	45.2	63.4	63.6
Private noninsured pension reserves	6.9	38.8	51.2	37.8	36.7	48.7	20.3	10.2	4.9
Government insurance and pension reserves	8.9	15.1	35.3	39.7	43.9	53.5	63.9	66.5	68.1
Miscellaneous financial assets	6.3	11.1	33.5	29.4	29.1	19.2	26.9	46.9	31.0
Gross investment in tangible assets	150.4	236.4	403.5	457.9	434.2	505.2	606.4	641.5	699.5
Owner-occupied homes	28.1	51.9	113.6	111.2	89.9	124.9	154.5	162.0	176.7
Other fixed assets [1]	36.4	45.2	79.7	94.5	95.0	98.9	109.8	116.2	129.2
Consumer durables	85.7	135.4	219.3	239.9	252.7	289.1	331.2	359.3	388.1
Inventories [1]	.4	4.0	−9.1	12.3	−3.4	−7.6	12.9	4.1	3.5
Capital consumption allowances	102.9	173.0	311.1	341.1	365.1	381.9	401.3	426.9	451.4
Owner-occupied homes	13.5	24.4	47.0	51.4	54.3	57.0	59.9	63.9	67.0
Other fixed assets [1]	23.7	41.6	76.8	87.1	95.5	98.4	102.9	106.7	109.7
Consumer durables	65.8	107.0	187.4	202.5	215.4	226.4	238.5	256.3	274.8
Net investment in tangible assets	47.5	63.4	92.4	116.8	69.0	123.3	207.1	214.8	248.1
Owner-occupied homes	14.6	27.5	66.6	59.7	35.6	67.8	94.6	98.1	111.7
Other fixed assets [1]	12.7	3.6	3.0	7.4	−.4	.4	6.9	9.5	19.5
Consumer durables	19.9	28.4	31.9	37.4	37.2	62.7	92.7	102.9	113.3
Inventories [1]	.4	4.0	−9.1	12.3	−3.4	−7.6	12.9	4.1	3.5
Net increase in debt [3]	41.4	76.7	177.2	179.1	140.4	279.6	336.5	393.9	392.6
Mortgage debt on nonfarm homes	13.4	38.2	96.4	75.0	49.5	110.4	129.3	149.4	195.5
Other mortgage debt [1]	16.6	18.4	33.1	36.2	37.1	69.1	67.9	85.7	101.0
Consumer credit	5.5	9.1	4.5	22.6	17.7	56.8	95.0	96.6	65.8
Security credit	1.8	7.2	6.5	−1.7	3.8	8.4	−3.1	16.7	8.2
Other debt [1]	5.4	8.8	30.1	39.5	28.1	33.9	27.0	45.7	24.3
Individuals' saving	88.8	158.5	249.0	301.5	330.9	312.0	422.3	381.2	369.6
Less: Government insurance and pension reserve	8.9	15.1	35.3	39.7	43.9	53.5	63.9	66.5	68.1
Net investment in consumer durables	19.9	28.4	31.9	37.4	37.2	62.7	92.7	102.9	113.3
Capital gains dividends from mutual funds	.9	.2	1.8	2.7	2.4	4.4	6.0	4.9	17.5
Net saving by farm corporations	(z)	.5	.5	.2	.5	.6	.7	1.2	1.0
Equals: Personal saving, flow of funds basis [4]	58.9	114.3	179.5	221.4	247.0	190.8	259.0	205.7	169.7

- Represents zero. Z Less than $50 million. [1] Includes corporate farms. [2] Includes items not shown separately. [3] Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisition of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

Digitized by Google

No. 685. Annual Growth Rates of Real Gross Domestic Product—International Comparisons, Selected Periods: 1950–85 to 1984–85

[**In percent.** See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign (–) indicates decline]

COUNTRY	1950–85	1960–70	1970–75	1970–80	1976–77	1977–78	1978–79	1979–80	1980–81	1981–82	1982–83	1983–84	1984–85
United States	3.1	3.8	2.1	2.7	4.5	5.1	2.0	–	2.1	–2.5	3.4	6.6	2.9
Per capita	1.8	2.5	1.1	1.6	3.5	4.0	.9	–1.1	1.0	–3.5	2.4	5.6	1.9
Canada	4.5	5.2	5.2	4.6	3.6	4.6	3.9	1.5	3.7	–3.3	3.1	5.6	3.9
Per capita	2.6	3.3	3.9	3.3	2.4	3.5	2.9	.2	2.4	–4.5	2.1	4.6	3.0
France	4.1	5.6	4.0	3.6	3.1	3.8	3.3	1.1	5	1.8	.7	1.5	1.1
Per capita	3.3	4.5	3.2	3.0	2.6	3.3	2.9	.5	1.1	1.2	.3	1.1	.7
Italy	[1] 4.2	5.7	2.4	3.1	1.9	2.7	4.9	3.9	.2	–.5	–.2	2.8	2.3
Per capita	[1] 3.6	5.0	1.7	2.6	1.8	2.0	4.6	3.7	-	–.8	–.5	2.6	2.1
Japan	[2] 7.1	10.5	4.3	4.6	5.3	5.1	5.2	4.4	3.9	2.8	3.2	5.0	4.5
Per capita	[2] 6.0	9.3	2.8	3.4	4.3	4.1	4.3	3.6	3.1	2.2	2.4	4.3	3.9
United Kingdom	2.4	2.8	2.2	1.9	1.1	3.5	2.2	–2.3	–1.2	1.0	3.8	2.2	3.7
Per capita	2.1	2.2	2.0	1.8	1.1	3.6	2.1	–2.4	–1.3	1.0	3.7	1.9	3.5
West Germany	4.5	4.5	2.1	2.7	3.0	2.9	4.2	1.4	2	–.6	1.5	2.7	2.6
Per capita	3.8	3.6	1.7	2.5	3.2	3.0	4.1	1.0	-	–.6	1.9	3.2	2.9

– Represents zero. [1] Initial year 1951. [2] Initial year 1952.

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1860–1970*, using data from the Organization for Economic Cooperation and Development.

No. 686. Gross Domestic Product of Selected Countries as Percent of United States: 1970 to 1985

[Comparisons are based on constant (**1980**) price data converted to U.S. dollars using 1980 exchange rates. See text, section 14]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1975	1980	1981	1982	1983	1984	1985
United States	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada	8	9	10	10	10	10	10	10	79	90	93	94	93	93	92	93
France	22	24	24	24	25	24	23	23	90	100	103	102	107	105	100	99
Italy	14	14	15	14	15	14	14	14	54	56	59	59	60	59	57	57
Japan	33	36	39	40	42	42	42	42	65	70	77	78	83	83	82	84
United Kingdom	21	22	20	19	20	20	19	19	79	83	80	79	82	83	80	82
West Germany	30	30	30	30	30	30	29	29	102	105	112	111	114	114	111	112

Source: U.S. Bureau of Economic Analysis. Adapted from *Long Term Economic Growth, 1860–1970*, using data from the Organization for Economic Cooperation and Development.

No. 687. Selected International Economic Indicators: 1970 to 1986

[Data cover gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income. Minus sign (–) indicates decline]

YEAR	United States	France	West Germany	Italy	Netherlands	United Kingdom	Japan	Canada
GNP growth rates [1] (constant **1982** prices):								
1970	–.3	5.7	5.0	5.3	(NA)	2.2	9.9	2.5
1980	–.2	1.0	1.5	3.9	.8	–2.3	4.3	1.1
1982	–2.5	2.0	–1.0	–.5	–1.7	1.2	3.1	–4.4
1983	3.6	.7	1.5	.4	1.3	3.6	3.2	3.3
1984	6.8	1.5	3.0	2.6	1.7	2.0	5.1	4.7
1985	3.0	1.3	2.4	2.7	2.0	3.0	4.5	4.9
1986	2.9	2.1	2.5	2.7	(NA)	2.2	2.5	2.9
Ratio of gross fixed capital formation to GNP (current prices):								
1970	17.7	23.3	25.5	23.1	(NA)	18.3	35.6	21.0
1980	19.0	21.8	22.8	19.8	21.1	18.1	32.0	23.3
1982	17.1	20.8	20.6	19.0	18.3	16.4	29.7	22.1
1983	17.1	19.8	20.6	18.0	18.1	16.4	28.2	19.9
1984	18.0	19.0	20.2	17.9	18.5	17.4	27.8	18.9
1985	18.5	18.8	19.5	18.2	18.4	17.1	27.6	19.2
1986	(NA)	18.8	19.3	21.6	(NA)	17.1	27.7	20.2
Ratio of savings to disposable personal income:								
1970	8.1	16.7	14.7	[2] 21.6	14.0	9.6	18.2	5.3
1980	7.1	14.9	14.1	22.0	10.9	15.1	19.2	12.3
1982	6.8	15.7	13.8	24.0	14.5	12.9	17.6	15.2
1983	5.4	14.9	12.5	22.8	13.0	11.6	17.3	13.3
1984	6.1	13.5	13.0	23.0	14.0	11.9	16.0	13.2
1985	4.5	12.3	12.7	19.7	13.5	11.3	16.0	12.1
1986	4.3	12.2	13.2	(NA)	(NA)	11.0	(NA)	11.3

NA Not available. [1] Growth rates represent percentage change from preceding year. [2] Estimated.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, *International Economic Indicators*, quarterly.

Digitized by Google

No. 688. Average Annual Income and Expenditures of All Consumer Units: 1985

[**In dollars.** Based on Consumer Expenditure Interview Survey; see text, section 14, for description of survey. In interpreting the expenditure data, several factors should be considered. First, the data are averages for the population. Second, expenditures reported here are direct out-of-pocket expenditures. Third, approximately 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies and personal care items. The interview survey must be integrated with the Diary survey to provide a complete picture of expenditures]

ITEM	Income before taxes [1]	Total expenditures	Food	Alcoholic beverages	HOUSING					Apparel and services	TRANSPORTATION		Health care	Other expenditures [2]	Life insurance	Retirement, pensions, Social Security	Personal taxes
					Total	Shelter	Fuel, utilities, and public services	Household operations	House furnishings		Gasoline and motor oil	All other transportation [3]					
All consumer units	**25,127**	**22,217**	**3,394**	**283**	**6,887**	**3,840**	**1,648**	**346**	**854**	**1,181**	**1,035**	**3,521**	**1,037**	**3,085**	**278**	**1,738**	**2,240**
Age of reference person:																	
Under 25 years	11,726	12,964	1,954	292	3,553	2,290	711	99	453	779	691	2,774	396	1,774	57	694	838
25–34 years	25,535	21,977	3,119	350	7,242	4,465	1,424	438	916	1,178	1,019	3,731	711	2,547	216	1,866	2,510
35–44 years	32,718	28,063	4,267	335	8,677	5,190	1,930	449	1,108	1,563	1,287	4,452	910	3,735	367	2,469	3,075
45–54 years	33,602	29,146	4,435	334	8,119	4,543	2,140	299	1,138	1,607	1,408	4,330	1,177	4,614	436	2,685	3,248
55–64 years	23,992	23,227	3,654	248	6,259	3,264	1,891	296	836	1,173	1,127	3,893	1,289	3,489	373	2,106	2,406
65–74 years	18,191	17,000	2,922	185	5,202	2,643	1,629	282	648	747	781	2,438	1,539	2,362	236	588	1,021
75 years and over	12,306	12,347	2,027	84	4,157	2,058	1,345	420	334	364	402	1,373	1,509	2,170	91	166	753
Region of residence:																	
Northeast	25,400	21,567	3,631	301	6,581	3,753	1,723	292	813	1,197	871	3,137	875	3,089	220	1,867	1,936
Midwest	24,120	21,469	3,290	275	6,337	3,508	1,725	302	802	1,096	1,038	3,289	1,084	3,055	307	1,720	2,251
South	24,735	21,927	3,224	252	6,367	3,470	1,666	379	852	1,120	1,087	3,708	1,153	2,987	322	1,707	2,392
West	26,901	24,509	3,563	329	7,849	5,043	1,417	411	978	1,279	1,128	3,964	983	3,287	229	1,898	2,277
Size of consumer unit:																	
One person	14,516	13,353	1,935	286	4,366	2,749	973	170	474	709	537	1,920	636	1,986	94	884	1,543
Two persons	25,108	22,056	3,205	295	6,714	3,873	1,658	289	894	1,062	989	3,369	1,268	3,174	289	1,675	2,277
Three persons	30,912	26,781	4,065	286	7,735	4,353	1,926	474	981	1,397	1,279	4,893	1,085	3,567	344	2,328	2,688
Four persons	34,410	29,972	4,643	293	8,791	4,817	2,194	600	1,180	1,614	1,434	5,009	1,219	3,900	455	2,615	3,105
Five persons	32,008	29,288	4,995	264	8,463	4,650	2,228	449	1,136	1,620	1,526	4,582	1,134	4,097	418	2,190	2,165
Six persons or more	27,510	25,614	4,897	165	7,548	4,093	2,117	362	976	1,474	1,530	3,756	1,025	3,352	316	1,750	1,788
Income before taxes:																	
Complete income reporters [1]	25,127	22,539	3,362	286	6,894	3,854	1,638	341	862	1,168	1,045	3,570	1,049	3,147	265	1,934	2,240
Quintiles of income:																	
Lowest 20 percent	3,594	11,006	2,103	141	3,732	2,133	1,098	170	330	552	538	1,322	737	1,481	160	238	132
Second 20 percent	10,811	14,131	2,507	188	4,461	2,447	1,342	203	469	685	781	2,063	1,020	1,717	154	556	473
Third 20 percent	19,397	19,183	3,053	287	5,744	3,310	1,543	256	635	975	1,011	3,250	980	2,406	205	1,272	1,266
Fourth 20 percent	30,967	25,932	3,816	321	7,516	4,316	1,836	343	1,021	1,300	1,314	4,318	1,081	3,357	352	2,557	2,789
Highest 20 percent	60,741	42,374	5,323	493	11,999	7,050	2,368	730	1,850	2,326	1,578	6,862	1,425	6,761	551	5,038	6,526
Incomplete reporting of income	(1)	19,690	3,652	262	6,630	3,732	1,724	384	790	1,101	954	3,140	939	2,591	(1)	(1)	(1)

[1] Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years or over during the 12 months preceding the interview. A complete reporter is a consumer unit who provided values for at least one of the major sources of income. [2] Includes other private transportation and public transportation. [3] Entertainment, personal care, reading, education, tobacco and smoking supplies, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 364.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Interview Survey, 1985*, annual

Digitized by Google

No. 689. Annual Income and Average Weekly Expenditures of All Consumer Units by Selected Characteristics: 1985

[Based on Consumer Expenditure Diary Survey; see text for description of survey]

Characteristic	Income before taxes [1]	Average weekly expenditures															
		Food, total	Food at home									Food away from home	Alcoholic beverages	Tobacco products and smoking supplies	Personal care products and services	Nonprescription drugs and supplies	Housekeeping supplies
			Total	Cereal and bakery products	Beef and pork	Poultry and other meats	Fish, sea food, and eggs	Milk, cream [2] and other dairy products	Fresh fruits and vegetables	Processed fruits and vegetables	Other food at home [3]						
All consumer units	$24,632	$59.92	$38.60	$5.44	$6.07	$3.25	$1.82	$5.12	$3.65	$2.54	$10.71	$21.32	$5.52	$3.78	$4.94	$2.49	$6.24
Age of reference person:																	
Under 25 years	12,953	36.13	18.52	2.72	2.54	1.64	.91	2.61	1.37	1.17	5.56	17.62	6.12	2.50	2.93	.85	3.02
25–34 years	25,243	59.21	37.46	5.00	5.89	3.06	1.86	5.23	3.27	2.31	11.04	21.75	6.68	3.80	4.26	1.49	5.92
35–44 years	33,466	75.79	47.14	6.76	7.47	3.87	2.09	6.31	4.27	3.05	13.32	28.65	6.71	4.47	5.58	2.48	7.34
45–54 years	34,345	77.48	49.21	6.80	8.44	4.26	2.33	6.18	4.37	3.18	13.67	28.27	6.45	5.10	7.34	2.96	8.12
55–64 years	25,537	62.45	41.82	5.90	6.80	3.72	2.04	5.26	4.39	2.73	10.97	20.63	5.02	4.50	5.54	2.57	6.89
65–74 years	17,276	47.46	33.97	4.95	5.25	2.81	1.58	4.53	3.77	2.47	8.60	13.49	3.20	3.01	4.36	3.77	6.22
75 years and over	11,614	36.65	28.10	4.32	3.85	2.27	1.27	3.77	3.25	2.18	7.20	8.55	1.66	1.36	3.52	4.39	4.06
Region of residence:																	
Northeast	26,713	64.13	42.03	5.96	6.21	4.00	2.24	5.99	4.36	2.88	10.40	22.10	6.03	4.34	4.38	2.29	6.05
Midwest	22,957	57.61	37.23	5.45	6.14	2.99	1.55	4.74	3.19	2.42	10.75	20.37	5.31	3.92	4.69	2.62	6.40
South	22,658	55.99	36.28	5.00	5.87	2.99	1.72	4.57	3.28	2.43	10.44	19.71	4.55	3.78	5.09	2.48	6.12
West	26,165	65.06	40.56	5.60	6.16	3.17	1.91	5.62	4.15	2.48	11.48	24.50	6.90	2.97	5.69	2.58	6.43
Size of consumer unit:																	
One person	14,169	32.26	16.39	2.30	2.03	1.27	.77	2.26	1.86	1.16	4.72	15.87	5.46	2.23	3.07	1.52	3.06
Two persons	26,357	58.05	37.11	5.10	5.92	2.97	1.82	4.79	3.89	2.46	10.15	20.94	5.98	3.83	5.27	3.73	6.50
Three persons	29,112	69.54	45.50	6.23	7.37	3.92	2.08	5.82	4.10	2.99	12.96	24.05	5.50	4.54	5.58	1.75	7.10
Four persons	33,113	81.97	54.91	7.88	8.97	4.61	2.42	7.76	4.96	3.51	15.11	26.16	5.24	4.90	6.24	2.78	8.79
Five persons	28,703	86.58	60.64	8.75	10.71	5.08	2.70	8.85	4.98	3.81	16.78	25.93	4.76	5.26	6.31	2.16	8.70
Six persons or more	31,262	102.95	77.78	11.99	11.22	7.95	4.28	10.27	6.55	5.00	20.53	25.17	4.84	4.54	5.73	2.33	9.26
Income before taxes:																	
Complete reporters of income [1]	24,632	60.65	39.17	5.54	6.08	3.19	1.85	5.23	3.66	2.59	11.02	21.48	5.64	3.80	5.18	2.71	6.61
Quintiles of income:																	
Lowest 20 percent	4,213	33.69	24.78	3.55	3.68	2.36	1.08	3.25	2.31	1.76	6.80	8.91	2.87	2.84	2.45	1.74	3.08
Second 20 percent	10,924	44.17	31.14	4.52	4.76	2.68	1.51	4.19	3.16	1.92	8.40	13.03	3.85	3.67	3.78	1.52	4.84
Third 20 percent	19,537	55.83	37.13	5.49	5.45	2.92	1.68	5.00	3.39	2.42	10.78	18.70	4.76	3.70	4.61	2.55	5.89
Fourth 20 percent	30,565	71.27	45.11	6.08	7.63	3.49	2.01	6.10	4.01	2.92	12.87	26.17	6.29	4.39	6.08	2.67	7.66
Highest 20 percent	57,817	96.14	57.61	8.04	8.86	4.53	2.97	7.59	5.44	3.93	16.24	40.53	10.44	4.38	8.97	5.04	11.56
Incomplete reporting of income	-	57.33	36.56	5.10	6.03	3.42	1.72	4.75	3.65	2.35	9.59	20.74	5.08	3.75	4.09	1.73	4.93

- Represents zero. [1] Income values are derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years old or over during the 12 months preceding the interview. A complete reporter is a consumer unit who provided at least one of the major sources of its income. [2] Fresh milk and cream. [3] Includes sugar and other sweets, fats and oils, miscellaneous foods and nonalcoholic beverages.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: 1985 Results for Both Urban and Rural Population*. (BLS News Release, U.S.D.L.: 86-451.)

Digitized by Google

No. 690. Money Income of Households—Percent Distribution by Income Level in Constant (1986) Dollars, by Race and Hispanic Origin of Householder: 1970 to 1986

[Households as of **March** of **following year.** Based on Current Population Survey; see text, sections 1 and 14, and Appendix A. Hispanic persons may be of any race. For definitions of household and race, see text, section 1. For definition of median, see Guide to Tabular Presentation]

Race and Hispanic origin of householder and year	Number of households (1,000)	Percent distribution, by income level								Median income (dol.)
		Under $5,000	$5,000-$9,999	$10,000-$14,999	$15,000-$19,999	$20,000-$24,999	$25,000-$34,999	$35,000-$49,999	$50,000 and over	
ALL HOUSEHOLDS										
1970	64,778	8.2	10.9	10.3	13.0	8.4	24.9	12.8	11.5	24,862
1975	72,867	6.8	12.6	11.4	10.7	10.5	20.8	14.8	12.3	24,038
1980	82,368	8.3	11.8	11.8	10.6	10.4	18.0	16.4	12.7	23,569
1981	83,527	8.5	12.4	12.2	11.3	9.9	17.5	16.0	12.4	22,896
1982	83,918	8.5	12.7	12.0	11.0	10.6	17.2	15.4	12.7	22,915
1983	85,290	8.3	12.3	11.9	11.1	10.3	16.9	15.6	13.5	23,137
1984	86,789	7.6	12.5	11.6	10.9	10.0	16.9	15.8	14.6	23,667
1985	88,458	7.5	12.2	11.3	10.8	9.9	16.9	16.0	15.4	24,073
1986	89,479	7.4	11.7	11.0	10.4	9.8	16.6	16.5	16.8	24,897
WHITE										
1970	57,575	7.3	10.2	9.8	12.8	8.4	25.8	13.4	12.2	25,687
1975	64,392	6.0	11.7	11.1	10.8	10.5	21.5	15.5	13.2	25,135
1980	71,872	7.1	10.9	11.4	10.5	10.5	18.8	17.3	13.7	24,965
1981	72,845	7.2	11.4	11.7	11.3	10.1	18.1	16.8	13.4	24,256
1982	73,182	7.2	11.8	11.5	11.0	10.8	17.8	16.1	13.7	23,984
1983	74,170	6.8	11.4	11.8	11.1	10.5	17.5	16.4	14.5	24,250
1984	75,328	6.3	11.7	11.2	10.9	10.2	17.5	16.7	15.6	24,961
1985	76,576	6.3	11.5	10.9	10.6	10.1	17.4	16.7	16.5	25,381
1986	77,284	6.0	11.0	10.6	10.3	9.7	17.0	17.3	17.9	26,175
BLACK										
1970	6,180	15.5	18.1	14.7	15.0	8.6	17.1	6.9	4.0	15,635
1975	7,489	14.5	21.3	14.1	11.8	10.8	15.1	8.3	4.3	15,080
1980	8,847	17.7	19.7	14.9	11.3	9.3	13.1	9.3	4.7	14,323
1981	8,961	18.9	20.2	15.3	11.2	8.7	12.5	8.9	4.2	13,834
1982	8,916	19.1	19.8	15.3	11.0	9.2	13.0	9.0	3.7	13,585
1983	9,243	19.1	19.9	14.5	11.8	8.6	12.2	9.0	5.0	13,721
1984	9,480	17.5	19.7	14.9	11.7	8.9	12.3	9.0	5.8	14,220
1985	9,797	17.3	18.6	13.9	12.3	8.6	13.0	10.1	6.2	15,104
1986	9,922	18.6	17.6	13.6	10.9	9.3	12.9	10.2	6.9	15,080
HISPANIC										
1975	2,948	9.4	15.7	16.3	13.5	11.8	18.6	9.8	4.9	18,080
1980	3,906	11.0	14.9	15.8	12.9	11.2	15.7	12.0	6.5	18,164
1981	3,980	10.2	15.9	14.7	13.2	11.8	16.4	11.8	6.2	18,448
1982	4,085	11.3	18.0	15.0	13.0	10.8	14.9	10.8	6.1	17,241
1983	4,666	11.5	17.9	14.3	12.9	11.2	14.8	11.0	6.3	17,380
1984	4,863	11.6	16.4	14.2	11.8	10.8	15.0	11.8	7.1	17,917
1985	5,213	10.7	17.5	14.6	12.1	10.8	15.4	11.3	7.7	17,801
1986	5,418	11.1	15.6	14.9	11.9	10.3	15.3	11.8	9.2	18,352

No. 691. Money Income of Households—Median Household Income in Current and Constant (1986) Dollars, by Race and Hispanic Origin of Householder: 1970 to 1986

[See headnote, table 690. Minus sign (–) indicates decrease. For definition of median, see Guide to Tabular Presentation]

Year	Median income in current dollars (dol.)				Median income in constant (1986) dollars (dol.)				Annual percent change of median income (%) all households	
	All households [1]	White	Black	Hispanic [2]	All households [1]	White	Black	Hispanic [2]	Current dollars	Constant dollars
1970	8,734	9,097	5,537	(NA)	24,662	25,687	15,635	(NA)	[3] 6.9	[3] 1.7
1971	9,028	9,443	5,578	(NA)	24,442	25,565	15,102	(NA)	3.4	–.8
1972	9,697	10,173	5,938	7,677	25,415	26,663	15,563	20,121	7.4	4.0
1973	10,512	11,017	6,485	8,144	25,936	27,182	16,001	20,094	8.4	2.0
1974	11,197	11,710	6,964	8,906	24,896	26,036	15,484	19,802	6.5	–4.0
1975	11,800	12,340	7,408	8,865	24,039	25,139	15,092	18,060	5.4	–3.4
1976	12,686	13,289	7,902	9,569	24,435	25,596	15,220	18,431	7.5	1.6
1977	13,572	14,272	8,422	10,647	24,557	25,823	15,238	19,264	7.0	.5
1978	15,064	15,660	9,411	11,803	25,317	26,319	15,817	19,837	11.0	3.1
1979	16,461	17,259	10,133	13,042	24,866	26,071	15,307	19,701	9.3	–1.8
1980	17,710	18,684	10,764	13,651	23,565	24,862	14,323	18,184	7.6	–5.2
1981	18,074	20,153	11,309	15,300	22,995	24,296	13,634	18,445	7.7	–2.4
1982	20,171	21,117	11,968	15,178	22,913	23,988	13,595	17,241	5.8	–.4
1983	21,018	22,035	12,473	15,794	23,131	24,250	13,727	17,382	4.2	1.0
1984	22,415	23,647	13,471	16,982	23,861	24,982	14,220	17,937	6.6	3.2
1985	23,618	24,906	14,819	17,465	24,072	25,387	15,104	17,801	5.4	1.7
1986	24,897	26,175	15,080	18,352	24,897	26,175	15,080	18,352	5.4	3.4

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Change from 1967.

Source of tables 690 and 691: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

Digitized by Google

No. 692. Money Income of Households—Percent Distribution by Money Income Level, by Selected Characteristics: 1986

[Households as of March 1987. For definition of median, see Guide to Tabular Presentation]

Characteristic	Total households (1,000)	Percent distribution of households by income level (in dollars)								Median income (dollars)
		Under 5,000	5,000–9,999	10,000–14,999	15,000–19,999	20,000–24,999	25,000–34,999	35,000–49,999	50,000 and over	
Total [1]	89,479	7.4	11.7	11.0	10.4	9.6	16.5	16.6	16.8	24,897
Age of householder:										
15–24 years	5,197	15.0	16.3	17.8	13.8	11.9	14.7	7.6	3.0	15,310
25–34 years	20,502	6.1	8.2	10.0	11.9	11.7	20.7	18.8	12.7	25,898
35–44 years	18,703	4.5	6.0	7.1	8.1	9.1	18.8	22.2	24.4	32,787
45–54 years	13,211	5.1	5.8	6.9	7.2	7.7	16.2	21.3	29.8	35,660
55–64 years	12,866	7.7	10.2	10.3	9.1	9.6	16.5	16.8	20.1	26,778
65 years and over	18,996	11.2	25.0	17.5	13.2	8.7	10.6	7.4	6.3	13,845
White	77,284	6.0	11.0	10.6	10.3	9.7	17.0	17.3	17.9	26,175
Black	9,922	16.7	17.6	13.8	10.9	9.3	12.8	10.2	6.9	15,080
Hispanic [2]	5,418	11.0	15.5	14.9	11.9	10.3	15.4	11.8	9.2	18,352
Northeast	18,873	6.3	11.9	9.2	10.5	9.3	16.0	17.2	19.6	26,494
Midwest	21,973	7.2	11.7	11.0	10.5	9.8	17.6	17.0	15.1	24,851
South	30,620	9.5	12.1	12.2	10.7	9.9	15.9	15.2	14.5	22,578
West	18,014	5.4	10.8	10.9	9.6	9.3	17.0	17.4	19.6	27,001
Size of household:										
One person	21,126	17.4	24.9	15.9	12.4	8.9	11.3	6.2	3.0	12,155
Two persons	28,602	4.7	9.2	12.5	12.0	10.9	17.6	16.8	16.2	25,293
Three persons	16,159	5.2	7.4	8.0	9.1	9.4	17.8	20.8	22.4	31,004
Four persons	13,984	3.2	5.3	6.3	7.3	8.9	19.6	23.2	26.2	34,658
Five persons	6,162	3.6	5.9	6.5	7.3	8.8	19.2	22.4	26.2	34,166
Six persons	2,176	3.4	7.1	9.0	8.3	8.2	17.6	19.6	26.9	32,829
Seven persons or more	1,268	4.5	8.7	11.7	9.9	9.7	15.6	19.3	20.6	27,836
Marital status:										
Male householder	61,735	3.5	6.6	9.5	9.9	9.9	18.7	20.1	21.5	30,377
Married, wife present	48,573	1.9	5.0	8.3	9.3	9.7	19.2	22.0	24.5	32,923
Married, wife absent	1,569	10.0	14.1	13.1	12.4	11.5	15.5	13.4	9.8	20,109
Widowed	1,721	10.9	25.7	18.4	12.0	8.3	10.3	8.6	5.8	13,569
Divorced	3,887	9.1	11.3	11.5	11.4	10.5	18.0	15.3	12.9	22,967
Single (never married)	5,985	9.4	11.5	13.7	12.6	11.2	18.4	12.8	10.5	21,129
Female householder	27,744	16.2	22.5	14.5	11.6	8.9	11.8	8.4	6.3	13,827
Married, husband present	2,964	2.4	6.7	7.8	8.8	8.9	20.1	19.8	25.4	32,217
Married, husband absent	2,638	27.1	23.8	16.4	10.3	7.8	7.7	4.5	2.3	9,736
Widowed	9,570	17.8	33.3	15.7	10.5	6.9	7.5	5.1	3.1	9,784
Divorced	6,487	14.5	17.7	14.9	13.7	11.0	14.9	8.8	4.7	15,933
Single (never married)	6,086	17.4	17.8	14.4	12.9	10.4	12.8	9.1	5.2	15,151
Education attainment of householder:										
Elementary school	12,043	17.7	25.9	17.3	11.5	8.4	9.7	6.5	2.8	11,595
Less than 8 years	6,540	20.5	27.9	17.7	10.6	7.8	8.2	5.2	2.1	10,413
8 years	5,503	14.5	23.6	17.0	12.6	9.2	11.4	8.0	3.8	13,231
High school	42,991	8.1	12.9	12.6	12.0	11.0	17.6	15.7	10.2	21,875
1–3 years	10,968	12.8	20.2	15.8	12.2	10.3	12.9	10.2	5.9	15,524
4 years	32,023	6.4	10.4	11.6	11.9	11.2	19.3	17.8	11.7	24,271
College	34,445	3.1	5.3	6.8	8.0	8.4	17.8	21.0	29.8	35,460
1–3 years	15,456	4.8	8.1	9.3	10.2	9.8	19.7	19.7	18.6	26,644
4 years or more	18,989	1.8	3.0	4.8	6.3	7.3	15.9	22.1	39.0	41,677
Tenure:										
Owner occupied	57,258	4.4	8.6	8.9	9.2	9.1	17.4	19.8	22.7	30,587
Renter occupied	30,687	12.6	17.0	14.8	12.6	10.6	15.3	10.7	6.3	17,024
Occupier paid no cash rent	1,534	19.0	20.9	15.1	11.7	10.4	10.8	8.2	3.7	13,400

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

Digitized by Google

No. 693. Money Income of Households—Aggregate and Mean Income, by Race and Hispanic Origin of Householder: 1985

[As of **March 1986.** See headnote, table 690. For number of households by characteristic, see table 59. For definition of mean, see Guide to Tabular Presentation]

Characteristic	All races [1]		White		Black		Hispanic [2]	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total	**2,571.1**	**29,066**	**2,317.1**	**30,259**	**189.4**	**19,335**	**113.8**	**21,823**
Age of householder:								
15–24 years old	97.5	17,708	87.8	18,567	7.6	11,223	8.4	15,419
25–34 years old	569.5	27,904	506.6	29,257	48.0	19,163	33.1	20,893
35–44 years old	640.8	35,806	573.4	37,184	48.2	23,696	26.7	24,408
45–54 years old	501.9	38,316	444.6	40,436	41.6	24,728	22.2	28,091
55–64 years old	411.8	32,045	379.3	33,342	24.7	19,721	13.3	23,253
65 years old and over	349.6	16,800	325.5	19,440	19.3	11,747	8.1	14,804
Region:								
Northeast	578.1	31,146	530.2	32,259	37.7	20,620	19.7	19,220
Midwest	615.0	28,149	568.1	28,918	39.0	20,204	8.6	24,012
South	819.7	27,044	717.8	28,945	92.0	17,826	36.5	21,801
West	558.3	31,475	501.0	31,920	20.7	23,618	49.0	22,713
Size of household:								
One person	338.6	15,997	303.5	16,550	30.0	11,995	9.7	12,135
Two persons	818.6	29,525	763.3	30,632	43.3	18,312	23.9	21,261
Three persons	551.8	34,300	497.8	36,001	40.1	21,347	23.1	22,428
Four persons	511.9	37,161	459.6	38,711	36.9	24,817	27.5	25,278
Five persons	229.0	36,495	196.5	38,395	22.9	25,607	15.3	24,879
Six persons	77.5	36,257	64.5	38,750	8.5	24,656	7.6	26,174
Seven persons or more	43.3	34,053	32.0	38,102	7.7	23,565	6.6	25,202
Education attainment of householder:								
Elementary school:								
Less than 8 years	92.2	13,938	73.1	14,470	16.0	11,612	22.2	15,247
8 years	99.1	17,329	89.4	17,721	7.8	13,293	7.3	17,615
High school:								
1–3 years	214.9	19,419	184.0	20,379	28.0	14,750	15.2	17,786
4 years	827.5	26,462	747.5	27,343	64.7	19,429	32.6	23,709
College:								
1–3 years	480.7	31,416	433.8	32,414	37.0	23,347	19.0	29,043
4 years or more	856.8	46,349	789.3	47,175	36.0	35,141	17.4	36,278
Occupation of longest job of householder:								
Total [3]	**2,164.0**	**34,121**	**1,952.8**	**35,244**	**155.1**	**24,116**	**99.2**	**25,459**
Managerial and professional specialty	803.3	47,042	744.6	47,731	34.9	36,191	19.8	37,917
Technical, sales, and administrative support	518.1	33,437	470.9	34,467	35.2	23,570	19.6	27,118
Service workers	149.7	22,189	120.2	23,651	25.0	17,324	12.2	20,247
Farming, forestry, and fishing	45.6	19,756	41.9	20,183	2.1	12,001	3.4	16,350
Precision production, crafts, and repair	349.2	32,110	320.6	32,388	20.8	27,996	16.7	25,384
Operators, fabricators, and laborers	296.7	27,314	253.3	28,015	37.1	23,037	25.3	23,080

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Includes in Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

No. 694. Household Type, by Median Income and Income Level: 1985

[Households as of **March 1986.** See headnote, table 690]

Item	All households	Family households				Nonfamily households				
		Total	Married couple	Male householder, wife absent	Female householder, husband absent	Total	Single-person household			Multiple-person household
							Total	Male householder	Female householder	
Median income (dol.):										
All households	**23,618**	**26,022**	**31,161**	**24,354**	**14,316**	**13,798**	**11,884**	**16,312**	**9,774**	**28,773**
White	24,908	29,404	31,680	25,799	16,544	14,391	12,327	17,267	10,138	30,053
Black	14,819	17,053	24,685	16,901	9,574	9,571	8,360	11,114	6,691	19,573
Hispanic [1]	17,465	19,478	22,366	22,430	8,993	10,914	8,984	11,507	6,581	21,006
Number (1,000):										
All households	**88,458**	**63,558**	**50,933**	**2,414**	**10,211**	**24,900**	**21,178**	**8,285**	**12,893**	**3,722**
Under $5,000	6,784	2,947	1,103	152	1,693	3,837	3,748	1,064	2,684	88
$5,000–$9,999	10,997	5,307	2,984	251	2,072	5,690	5,401	1,506	3,895	288
$10,000–$14,999	10,149	6,436	4,865	246	1,525	3,713	3,364	1,264	2,099	350
$15,000–$19,999	9,674	6,629	5,042	277	1,311	3,046	2,599	1,107	1,492	447
$20,000–$24,999	8,838	6,526	5,189	317	1,021	2,310	1,899	865	1,034	412
$25,000–$34,999	15,007	11,894	10,147	457	1,290	3,114	2,390	1,334	1,056	724
$35,000–$49,999	13,947	12,052	10,794	401	857	1,897	1,132	691	440	764
$50,000 and over	13,061	11,767	11,010	314	442	1,294	645	453	192	649

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

Digitized by Google

No. 695. Money Income of Households—Mean After-Tax Household Income in Constant (1985) Dollars, by Selected Characteristics: 1980 to 1985

[Households as of **March of following year.** Estimates of after-tax income were derived from tax simulation procedures based on a "statistical" combination of data from the Internal Revenue Service, summaries of State individual income tax regulations, data on the characteristics of persons paying FICA payroll taxes from the Social Security Administration, property tax information from the Annual Housing Survey, and the March Current Population Survey microdata file. For additional information on methodology see source. For composition of regions, see fig. I, inside front cover]

Characteristic	After-tax household income						Percent change				
	1980	1981	1982	1983	1984	1985	1980–1981	1981–1982	1982–1983	1983–1984	1984–1985
All households	**21,243**	**20,694**	**21,093**	**21,753**	**22,333**	**22,646**	**−2.6**	**1.9**	**3.1**	**2.7**	**1.4**
Age of householder:											
Under 65 years	23,028	22,291	22,647	23,312	23,926	24,363	−3.2	1.6	2.9	2.6	1.8
65 years old and over	14,336	14,577	15,267	15,857	16,307	16,196	1.7	4.7	3.9	2.8	−.7
Race and Hispanic origin:											
White	22,001	21,463	21,871	22,577	23,168	23,484	−2.4	1.9	3.2	2.6	1.4
Black	14,948	14,292	14,454	14,827	15,327	15,790	−4.4	1.1	2.6	3.4	3.0
Hispanic [1]	17,689	17,525	17,043	17,327	17,978	17,920	−.9	−2.8	1.7	3.8	−.3
Region:											
Northeast	21,212	20,672	21,087	22,105	22,786	23,648	−2.5	2.0	4.8	3.1	3.8
Midwest	21,458	20,688	20,928	21,323	21,609	21,910	−3.6	1.2	1.9	1.3	1.4
South	20,363	19,996	20,517	21,147	21,699	21,567	−1.8	2.6	3.1	2.6	−.6
West	22,479	21,908	22,289	22,960	23,860	24,350	−2.5	1.7	3.0	3.9	2.1
Type of family:											
Married couples with children [2]	26,787	25,743	26,117	26,643	27,797	28,390	−3.9	1.5	2.8	3.8	2.1
Married couples without children [2]	25,277	24,980	25,522	26,623	27,398	27,712	−1.2	2.2	4.3	2.9	1.1
Female householders with related children [2]	12,913	12,503	12,132	12,220	12,679	13,093	−3.2	−3.0	.7	3.8	3.3

[1] Hispanic persons may be of any race. [2] Related children under 18 years old. [3] No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

No. 696. Number of Households Paying Taxes and Amount of Taxes by Type of Tax and Before-Tax Money Income: 1985

[Households as of **March 1986.** See headnote, table 690]

Type of tax	Unit	Total	Under 5,000	5,000–9,999	10,000–14,999	15,000–19,999	20,000–24,999	25,000–34,999	35,000–49,999	50,000 and over
All households	**1,000**	**88,458**	**6,783**	**10,997**	**10,149**	**9,674**	**8,838**	**15,007**	**13,947**	**13,060**
Households paying—										
One or more taxes [1]	1,000	81,943	3,769	8,275	9,566	9,531	8,804	14,991	13,946	13,059
Federal income taxes	1,000	68,019	256	2,418	6,874	8,348	8,449	14,897	13,929	13,049
State income taxes	1,000	57,033	524	2,970	5,575	6,636	6,774	12,183	11,445	10,927
FICA payroll taxes	1,000	66,090	1,971	4,825	8,699	7,239	7,274	13,005	12,854	12,225
Federal retirement taxes	1,000	3,361	37	82	182	206	269	758	907	940
Property taxes	1,000	53,298	2,294	4,663	4,874	5,096	5,077	9,909	10,402	10,982
Taxes paid	**Bil. dol**	**569.3**	**1.7**	**6.2**	**13.8**	**23.3**	**33.0**	**87.0**	**130.2**	**273.9**
Percent of taxes paid:										
Federal income taxes	Percent	55.9	1.7	13.3	31.7	41.9	46.2	49.1	53.2	64.1
State income taxes	Percent	13.3	1.4	4.9	8.8	10.2	11.2	12.8	13.4	14.5
FICA payroll taxes	Percent	22.0	21.2	31.8	35.5	32.4	30.4	27.5	25.0	18.0
Federal retirement taxes	Percent	1.2	.4	.5	.8	.9	1.1	1.6	1.5	1.1
Property taxes	Percent	7.6	75.3	49.8	23.5	14.5	11.0	9.1	6.9	4.3
Average tax paid [2]	**Dollars**	**6,947**	**439**	**748**	**1,446**	**2,452**	**3,755**	**5,804**	**9,339**	**20,976**
Federal income taxes	Dollars	4,675	110	339	656	1,174	1,807	2,868	4,979	13,456
State income taxes	Dollars	1,330	45	102	214	360	549	903	1,521	3,642
FICA payroll taxes	Dollars	1,894	178	408	733	1,046	1,382	1,842	2,530	3,588
Federal retirement taxes	Dollars	2,094	(B)	373	667	1,055	1,380	1,828	2,189	3,121
Property taxes	Dollars	811	543	658	666	665	719	801	863	1,068

B Base figure too small to meet statistical standards for reliability of derived figure.
[1] Figures will not add as more than one type of tax may be reported for each household. [2] Based on households paying taxes.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

Digitized by Google

No. 697. Money Income of Households—Mean Income and Income per Household Member Before and After Taxes, by Selected Characteristics: 1985

[Households as of March 1986. See headnote, table 695]

Characteristic	Mean household income		Income per household member		Taxes as a percent of income
	Before taxes	After taxes	Before taxes	After taxes	
All households	**29,056**	**22,646**	**10,884**	**8,480**	**22.1**
Age of householder:					
15–24 years	17,708	14,515	7,681	6,296	18.0
25–29 years	25,697	20,142	9,723	7,621	21.6
30–34 years	29,935	23,075	9,738	7,507	22.9
35–39 years	34,166	25,926	10,083	7,651	24.1
40–44 years	37,456	28,320	10,861	8,212	24.4
45–49 years	39,129	29,506	12,107	9,130	24.6
50–54 years	37,453	28,308	13,029	9,848	24.4
55–59 years	34,561	26,176	13,525	10,244	24.3
60–64 years	29,431	22,864	13,392	10,404	22.3
65 years and over	18,800	16,198	10,622	9,152	13.8
Race and Hispanic origin:					
White	30,259	23,484	11,531	8,949	22.4
Black	19,335	15,790	6,676	5,452	18.3
Hispanic [1]	21,823	17,920	6,358	5,221	17.9
Region:					
Northeast	31,146	23,648	11,717	8,896	24.1
Midwest	28,149	21,910	10,498	8,171	22.2
South	27,044	21,567	10,176	8,116	20.3
West	31,475	24,350	11,691	9,044	22.6
Type of family:					
Family households	33,182	25,818	10,235	7,964	22.2
Married couple families:					
With no children [2]	35,852	27,712	15,083	11,658	22.7
With children [2]	36,847	28,390	8,800	6,780	23.0
Female householder [3]	15,264	13,093	4,526	3,882	14.2
Nonfamily households	18,559	14,550	15,313	12,005	21.6
Tenure:					
Owner occupied	34,066	26,188	12,027	9,246	23.1
Renter occupied, incl. no cash rent	20,267	16,413	8,496	6,880	19.0

[1] Hispanic persons may be of any race. [2] Related children under 18 years. [3] No husband present, with related children under 18 years.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 151, and unpublished data.

No. 698. Households with Discretionary Income—Selected Income Measures in Constant (1984) Dollars: 1982

[Households as of March 1983 and income figures are for the preceding year, expressed in 1984 dollars. Discretionary income is the amount of money which would permit a household to maintain a living standard comfortably higher (30% or more) than the average for similar households. For methodology, see source]

Characteristic	All households		Households with discretionary income				
			Households		Average income		Spendable discretionary income
	Number (1,000)	Aggregate income after taxes (bil. dol.)	Number (1,000)	Percent of all households	Before taxes (dol.)	After taxes (dol.)	Aggregate income (bil. dol.)	Average income (dol.)
Total	**83,918**	**1,707.3**	**26,409**	**31.5**	**46,764**	**34,562**	**277.9**	**10,525**
Age of householder:								
15–24 years old	5,695	79.6	1,195	21.0	32,821	25,287	7.7	6,444
25–29 years old	9,465	172.5	2,472	26.1	41,595	31,079	18.8	7,654
30–34 years old	9,639	200.6	3,355	34.8	44,289	32,534	30.3	9,021
35–39 years old	8,759	200.6	2,650	30.2	52,262	37,537	26.8	10,127
40–44 years old	7,261	181.8	2,579	35.5	54,891	39,645	29.9	11,606
45–49 years old	6,154	160.1	2,224	36.1	56,072	40,375	26.0	11,674
50–54 years old	6,200	158.9	2,336	37.7	56,279	40,395	29.2	12,479
55–59 years old	6,571	158.4	2,672	40.7	52,621	37,565	34.1	12,766
60–64 years old	6,503	132.8	2,180	33.5	47,153	34,699	25.1	11,506
65 years old and over	17,671	261.8	4,748	26.9	34,716	28,375	50.0	10,531
Race and Hispanic origin of householder:								
White	73,182	1,544.0	24,697	33.7	46,935	34,667	263.3	10,661
Black	10,736	163.3	1,712	16.0	44,301	33,049	14.6	8,555
Hispanic [1]	4,085	67.2	660	16.1	46,172	34,879	6.0	9,119
Size of household:								
One person	19,250	218.5	5,122	26.6	28,301	21,175	38.4	7,496
Two persons	26,439	544.5	8,488	32.1	47,695	35,094	97.3	11,467
Three persons	14,793	341.3	4,862	33.0	51,203	37,835	52.6	10,779
Four persons	13,303	336.7	4,597	34.6	54,050	39,525	49.1	10,674
Five persons	6,105	158.1	1,956	32.0	55,921	41,439	22.3	11,420
Six persons or more	4,028	106.3	1,364	33.9	56,734	43,216	18.2	13,337
Household income:								
Under $15,000	29,156	213.7	828	2.8	12,589	11,607	1.3	1,569
$15,000–$19,999	9,888	147.0	1,012	10.2	17,640	15,312	3.5	3,481
$20,000–$24,999	9,148	169.1	1,571	17.2	22,795	19,109	5.6	3,591
$25,000–$29,999	7,964	174.8	2,288	28.7	27,564	22,384	9.4	4,102
$30,000–$34,999	6,603	167.5	3,007	45.5	32,630	25,678	13.3	4,415
$35,000–$39,999	5,114	147.7	3,235	63.3	37,500	29,090	17.6	5,446
$40,000–$49,999	6,854	231.3	5,479	79.9	44,806	33,997	42.8	7,810
$50,000–$74,999	6,556	282.7	6,356	96.9	59,378	43,312	90.0	14,157
$75,000 and over	2,633	173.5	2,633	100.0	100,838	65,900	94.4	35,852

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census and the Conference Board, *A Marketer's Guide to Discretionary Income*, 1985

Digitized by Google

NO. 699. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1986) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1986

[Families as of **March** of following year. Beginning with **1980**, based on householder concept and restricted to primary families. For definition of race, family, and householder, see text, section 1. Based on Current Population Survey; see text, sections 1 and 14 and Appendix III. For definition of median, see Guide to Tabular presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 1–8, G 16–23, G 190–192, and G 197–199]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL								Median income (dol.)
		Under $5,000	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000–$34,999	$35,000–$49,999	$50,000 and over	
ALL FAMILIES										
1970	52,227	3.8	7.9	9.5	13.4	8.8	26.6	14.7	13.4	27,862
1975	56,245	3.3	8.3	10.3	10.5	11.0	27.0	14.7	14.8	27,949
1980	60,309	4.6	8.0	10.5	10.3	10.8	20.3	19.9	15.9	27,974
1982	61,393	5.3	9.0	10.7	10.7	11.0	19.3	18.4	15.6	26,618
1983	62,015	5.2	8.9	10.4	10.6	10.6	19.0	18.7	16.5	27,155
1984	62,706	4.8	8.7	10.2	10.3	10.2	18.7	19.0	16.0	27,903
1985	63,558	4.7	8.3	10.0	10.3	10.1	18.4	19.0	19.1	28,269
1986	64,491	4.6	7.8	9.7	9.7	9.9	18.1	19.5	20.7	29,458
WHITE										
1970	46,535	3.2	6.9	8.8	13.1	8.7	29.8	15.4	14.2	28,904
1975	49,873	2.8	7.2	9.8	10.3	11.0	27.9	15.3	15.8	29,067
1980	52,710	3.5	6.7	9.8	10.1	10.9	21.0	20.9	17.0	29,146
1982	53,407	4.2	7.8	10.2	10.7	11.2	19.9	19.3	16.9	27,948
1983	53,890	4.0	7.7	9.9	10.6	10.8	19.6	19.7	17.7	28,435
1984	54,400	3.8	7.5	9.6	10.1	10.4	19.4	20.0	19.3	29,226
1985	54,991	3.7	7.3	9.4	10.1	10.3	19.0	19.8	20.5	29,713
1986	55,676	3.5	6.7	9.0	9.7	9.9	18.6	20.8	22.1	30,809
BLACK										
1970	4,926	9.8	17.0	15.2	16.3	9.4	19.9	7.9	4.5	17,730
1975	5,586	8.8	19.0	14.9	12.5	11.8	19.4	8.3	5.3	17,885
1980	6,317	12.1	18.0	15.4	11.8	10.1	15.0	11.7	6.1	16,864
1982	6,530	15.0	19.0	15.2	10.8	9.7	14.9	10.8	4.5	15,447
1983	6,691	14.8	18.9	14.1	11.4	9.6	14.6	10.4	6.2	16,025
1984	6,778	14.0	18.4	14.7	12.0	9.5	13.7	10.8	7.1	16,289
1985	6,921	13.2	16.9	14.2	12.8	9.0	14.4	12.0	7.4	17,109
1986	7,096	14.0	16.2	13.8	10.7	9.6	14.7	12.4	8.7	17,604
HISPANIC [1]										
1975	2,499	6.9	14.6	16.2	13.8	12.1	22.1	9.0	5.2	19,457
1980	3,235	8.3	13.7	15.8	13.3	11.9	17.0	13.2	8.9	19,582
1982	3,369	8.9	16.9	15.0	13.5	11.3	15.8	11.9	6.6	18,433
1983	3,788	9.2	18.4	14.4	13.7	12.0	15.7	11.9	6.9	18,632
1984	3,939	9.2	14.8	14.4	11.9	11.3	17.3	13.1	8.0	19,879
1985	4,206	8.2	16.5	14.8	12.0	11.2	16.2	12.6	8.5	19,393
1986	4,403	8.7	14.6	15.1	11.6	10.8	16.4	12.6	10.2	19,995

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–60, No. 157, and unpublished data.

NO. 700. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME IN CURRENT AND CONSTANT (1986) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1960 TO 1986

[See headnote, table 699. For definition of median, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (**1986**) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families [1]	White	Black	Hispanic [2]	All families [1]	White	Black	Hispanic [2]	Current dollars	Constant dollars
1960	5,620	5,835	[3] 3,230	(NA)	20,807	21,603	11,959	(NA)	[4] 4.9	[4] 2.9
1965	6,957	7,251	[3] 3,993	(NA)	24,176	25,198	13,876	(NA)	4.4	3.1
1970	9,867	10,236	6,279	(NA)	27,862	28,904	17,730	(NA)	7.2	2.9
1971	10,285	10,672	6,440	(NA)	27,845	28,893	17,435	(NA)	4.2	.1
1972	11,116	11,549	6,864	8,183	29,134	30,269	17,990	21,447	8.1	4.8
1973	12,051	12,595	7,269	8,715	29,734	31,076	17,935	21,503	8.4	2.1
1974	12,902	13,408	8,006	9,440	28,687	29,812	17,801	21,211	7.1	–3.1
1975	13,719	14,268	8,779	9,551	27,949	29,067	17,885	19,457	6.3	–2.6
1976	14,958	15,537	9,242	10,259	28,811	29,926	17,801	19,760	9.0	3.1
1977	16,009	16,740	9,563	11,421	28,966	30,289	17,303	20,665	7.0	.5
1978	17,640	18,368	10,879	12,566	29,647	30,870	18,284	21,119	10.2	2.4
1979	19,587	20,439	11,574	14,169	29,588	30,875	17,483	21,403	11.0	–.2
1980	21,023	21,904	12,874	14,718	27,974	29,146	16,864	19,582	7.3	–5.5
1981	22,388	23,517	13,266	16,401	26,991	28,352	15,999	19,773	6.5	–3.5
1982	23,433	24,603	13,598	18,227	26,618	27,948	15,447	18,433	4.7	–1.4
1983	24,674	25,837	14,561	18,930	27,155	28,435	16,025	18,632	5.3	2.0
1984	26,433	27,686	15,432	18,833	27,903	29,226	16,290	19,879	7.1	2.8
1985	27,735	29,152	16,786	19,027	28,269	29,713	17,109	19,393	4.9	1.3
1986	29,458	30,809	17,604	19,995	29,458	30,809	17,604	19,995	6.2	4.2

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race.
[3] For 1960 and 1965, Black and other races. [4] Change from 1955.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–60, No. 157, and unpublished data.

Digitized by Google

No. 701. Money Income of Families—Income and Percent of Aggregate Income at Selected Positions Received by Each Fifth and Top 5 Percent of Families: 1986

[Families as of **March 1987**. For composition of regions, see fig. I, inside front cover. Based on Current Population Survey; see headnote, table 699. See also *Historical Statistics, Colonial Times to 1970*, series G 31-136]

ITEM	All families	RACE			REGION			
		White	Black and other		Northeast	Midwest	South	West
			Total	Black				
Number (1,000)	**64,691**	**55,676**	**8,815**	**7,096**	**13,367**	**15,844**	**22,536**	**12,744**
INCOME AT SELECTED POSITIONS (dollars)								
Upper limit of each fifth:								
Lowest	13,886	15,200	7,680	6,792	16,020	14,498	12,223	14,600
Second	24,020	25,452	15,000	13,400	26,508	24,500	21,500	25,424
Third	35,015	36,300	25,000	22,700	38,200	34,671	32,260	36,580
Fourth	50,370	51,760	39,862	35,780	54,451	48,960	47,500	52,908
Top 5 percent	82,273	84,627	67,295	59,000	88,324	77,053	78,850	87,104
PERCENT DISTRIBUTION OF AGGREGATE INCOME								
Lowest fifth	4.6	5.0	3.4	3.4	4.9	4.9	4.3	4.8
Second fifth	10.8	11.2	8.8	8.8	11.2	11.5	10.2	10.9
Third fifth	16.8	16.9	15.5	15.6	16.9	17.4	16.4	16.8
Fourth fifth	24.0	23.8	24.9	25.2	24.0	24.1	24.0	23.9
Highest fifth	43.7	43.1	47.4	47.0	43.1	42.0	45.1	43.5
Top 5 percent	17.0	16.8	18.0	17.5	16.5	15.9	17.9	16.9

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

No. 702. Money Income of Families—Median Family Income by Race and Hispanic Origin: 1986

[Families as of **March 1987**. Based on Current Population Survey; see text, section 1, and Appendix III. For composition of regions, see fig. I, inside front cover. For definition of median, see Guide to Tabular Presentations]

CHARACTERISTIC	NUMBER (1,000)				MEDIAN FAMILY INCOME (dollars)			
	All families	White	Black	Hispanic [1]	All families	White	Black	Hispanic [1]
All families	**64,491**	**55,676**	**7,096**	**4,403**	**29,458**	**30,809**	**17,604**	**19,995**
Region:								
Northeast	13,367	11,873	1,223	864	32,160	33,348	20,902	17,153
Midwest	15,844	14,260	1,370	274	29,584	30,511	17,360	21,710
South	22,536	18,405	3,871	1,430	26,708	29,141	16,236	18,949
West	12,744	11,137	632	1,835	30,965	31,378	22,149	21,226
Type of family:								
Married-couple families	51,537	46,410	3,742	3,118	32,805	33,426	26,583	23,912
Wife in paid labor force	28,498	25,202	2,448	1,584	38,346	38,972	31,949	30,206
Wife not in paid labor force	23,038	21,208	1,295	1,535	25,803	26,421	16,766	17,507
Male householder, no wife present	2,510	2,038	386	253	24,962	26,247	18,731	20,894
Female householder, no husband present	10,445	7,227	2,967	1,032	13,647	15,716	9,300	9,432
Number of earners: [2]								
Total	63,618	54,979	6,945	4,363	29,515	30,869	17,328	19,994
No earners	9,391	7,820	1,401	590	12,506	14,252	5,798	6,311
One earner	17,945	15,175	2,276	1,454	22,310	24,026	13,116	14,362
Two earners	27,228	24,015	2,440	1,713	35,108	35,848	27,694	26,376
Three earners	6,408	5,631	605	416	44,306	45,251	36,029	33,111
Four or more earners	2,647	2,338	223	190	55,655	57,037	43,345	40,165

[1] Hispanic persons may be of any race.
[2] Excludes families with members who are in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

Digitized by Google

NO. 703. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER, AND SELECTED CHARACTERISTICS: 1985

[Families as of **March 1986.** See headnote, table 699. For definitions, see text, section 1. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G1–6 for U.S. data on total, White, Black and other races]

RACE OF HOUSEHOLDER, REGION, AND EDUCATION	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL—									Median income (dol.)
		Under $5,000	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000–$29,999	$30,000–$39,999	$40,000–$49,999	$50,000 and over	
All families [1]	**63,558**	**4.8**	**8.5**	**10.2**	**10.5**	**10.3**	**9.7**	**16.5**	**11.2**	**18.2**	**27,735**
White, total	**54,991**	**3.7**	**7.5**	**9.7**	**10.3**	**10.4**	**10.1**	**17.0**	**11.7**	**19.8**	**29,152**
Northeast	11,684	3.3	6.6	8.7	9.1	9.5	9.7	17.2	13.4	22.7	31,491
Midwest	14,200	4.1	6.9	9.2	10.1	10.7	10.9	16.6	11.6	17.6	28,964
South	18,211	4.0	6.3	11.1	11.3	10.9	9.6	15.7	10.7	16.2	27,104
West	10,897	3.2	7.6	9.2	9.6	10.2	9.6	16.7	12.2	21.6	30,239
Householder completed [2]—											
Elementary school:											
Less than 6 years	3,371	8.5	23.1	21.4	15.7	9.4	7.5	7.5	4.3	2.6	14,194
6 years	3,294	5.8	14.5	19.1	14.5	12.4	9.3	12.7	6.7	5.1	16,486
High school:											
1–3 years	6,031	5.6	11.9	15.9	15.0	12.6	10.3	12.6	6.2	7.5	20,519
4 years	18,979	3.2	6.4	9.0	11.1	11.5	11.9	20.4	12.5	14.0	28,608
College:											
1–3 years	6,902	1.7	4.0	5.6	6.2	10.5	11.5	21.0	15.3	22.2	33,398
4 years or more	11,744	.8	1.3	3.0	4.1	6.0	6.6	16.7	15.3	46.0	47,116
Black, total	**6,921**	**13.5**	**17.1**	**14.3**	**13.0**	**9.0**	**8.0**	**11.9**	**6.3**	**7.0**	**16,786**
Northeast	1,252	12.0	16.7	12.0	14.9	6.3	5.4	12.9	7.4	10.1	16,085
Midwest	1,368	16.0	19.1	12.5	11.0	7.9	7.1	10.6	6.7	9.1	15,956
South	3,710	13.9	17.4	16.4	13.3	9.6	8.3	11.6	5.0	4.7	15,816
West	591	6.5	12.4	10.1	11.3	6.9	12.9	14.5	11.6	9.6	24,453
Householder completed [2]—											
Elementary school:											
Less than 6 years	620	11.6	31.6	21.7	13.6	5.8	4.6	6.5	2.6	2.0	11,195
6 years	364	13.9	25.4	19.9	16.1	6.0	7.4	4.6	2.5	4.3	12,011
High school:											
1–3 years	1,241	16.6	22.3	15.3	14.5	6.0	6.5	9.3	4.6	2.6	13,444
4 years	2,338	11.6	13.7	14.9	13.3	10.6	9.1	14.6	7.1	5.2	16,576
College:											
1–3 years	1,073	9.1	11.3	10.4	12.6	9.7	13.0	15.5	6.4	10.2	22,933
4 years or more	631	.8	3.2	3.9	11.1	11.2	6.5	19.6	15.0	28.6	36,175
Hispanic, [3] **total**	**4,206**	**8.3**	**17.0**	**14.9**	**12.1**	**11.3**	**8.3**	**11.9**	**7.1**	**8.1**	**19,027**
Northeast	803	14.4	23.8	10.9	11.7	10.5	6.2	7.7	6.1	6.5	15,309
Midwest	291	6.6	12.6	11.4	11.6	13.5	10.4	13.0	9.7	9.0	22,300
South	1,376	7.9	16.0	16.4	11.3	11.9	8.3	13.6	6.6	7.7	19,139
West	1,737	5.6	15.3	16.0	13.0	10.6	11.6	12.3	7.4	7.7	19,998
Householder completed [2]—											
Elementary school:											
Less than 6 years	1,124	9.7	23.6	21.7	14.4	10.2	6.3	6.6	3.3	2.2	13,630
6 years	319	10.3	23.1	14.6	6.4	11.0	9.7	12.6	6.3	3.7	16,029
High school:											
1–3 years	610	10.1	17.6	17.1	12.9	14.7	6.9	9.7	4.1	4.4	16,581
4 years	967	4.6	11.1	12.6	13.4	11.8	11.6	14.7	10.1	10.0	23,167
College:											
1–3 years	457	3.6	7.5	5.4	10.6	12.5	10.7	23.4	12.1	14.2	29,734
4 years or more	319	.9	4.7	4.1	6.9	9.0	8.5	16.5	17.3	32.0	39,762

[1] Includes other races not shown separately. [2] Restricted to families with householder 25 years old and over.
[3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

NO. 704. MONEY INCOME OF FAMILIES—TYPE OF FAMILY, BY INCOME LEVEL: 1985

[**In thousands, except dollars.** Families as of **March 1986.** Based on Current Population Survey; see headnote, table 699. For definition of median, see Guide to Tabular Presentation]

TYPE OF FAMILY	Number of families	INCOME LEVEL								Median income (dol.)
		Under $5,000	$5,000–$9,999	$10,000–$14,999	$15,000–$19,999	$20,000–$24,999	$25,000–$34,999	$35,000–$49,999	$50,000 and over	
All families	**63,558**	**3,060**	**5,429**	**6,495**	**6,671**	**6,534**	**11,812**	**11,940**	**11,618**	**27,735**
Married-couple families	50,933	1,110	3,014	4,673	5,052	5,194	10,144	10,791	10,955	31,100
Wife in paid labor force	27,489	335	704	1,384	2,067	2,621	5,804	7,084	7,490	36,431
Wife employed	26,021	274	555	1,167	1,852	2,417	5,552	6,834	7,347	37,092
Wife unemployed	1,467	61	148	197	215	204	252	249	142	22,659
Wife not in paid labor force	23,445	774	2,310	3,289	2,985	2,573	4,338	3,708	3,465	24,556
Male householder, no wife present	2,414	173	259	278	321	306	416	394	267	22,622
Female householder, no husband present	10,211	1,777	2,155	1,542	1,298	1,034	1,253	756	396	13,660

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

Digitized by Google

No. 705. Median Money Income of Families and Unrelated Individuals, in Current and Constant (1985) Dollars: 1960 to 1985

[See headnote, table 699. Unrelated individuals are persons not living with any relatives. See text, sections 1 and 14. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179–188]

ITEM	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985
CURRENT DOLLARS										
Families: [1]										
Married-couple families	5,873	7,330	10,516	14,867	23,141	25,065	26,019	27,286	29,612	31,100
Wife in paid labor force	6,900	8,633	12,276	17,237	26,879	29,247	30,342	32,107	34,668	36,431
Wife not in paid labor force	5,520	6,706	9,304	12,752	18,972	20,325	21,299	21,890	23,582	24,556
Male householder, no wife present	4,860	6,515	9,012	12,995	17,519	19,889	20,140	21,845	23,325	22,622
Female householder, no husband present	2,968	3,535	5,093	6,844	10,408	10,960	11,484	11,789	12,803	13,660
Unrelated individuals:										
Male	2,480	3,194	4,540	6,612	10,939	11,848	12,470	12,888	13,566	14,921
Female	1,377	2,267	2,483	3,978	6,668	7,370	8,058	8,863	9,501	9,865
CONSTANT (1985) DOLLARS										
Families: [1]										
Married-couple families	21,333	24,992	29,134	28,716	30,211	29,647	28,998	29,462	30,669	31,100
Wife in paid labor force	25,064	29,434	34,010	34,453	35,091	34,594	33,816	34,668	35,905	36,431
Wife not in paid labor force	20,051	22,864	25,776	25,488	24,768	24,041	23,738	23,636	24,423	24,556
Male householder, no wife present	17,654	22,213	24,967	25,974	22,871	23,525	22,446	23,587	24,157	22,622
Female householder, no husband present	10,781	12,053	14,110	13,680	13,588	12,964	12,799	12,729	13,260	13,660
Unrelated individuals:										
Male	9,009	10,890	12,578	13,216	14,281	14,014	13,898	13,916	14,050	14,921
Female	5,002	7,729	6,879	7,951	8,705	8,717	8,981	9,570	9,840	9,865

[1] Beginning 1980, based on household concept. Restricted to primary families, see source.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156, and earlier issues.

No. 706. Married-Couple Families With Earnings, by Work Experience in 1983 of Husbands and Wives

[As of March 1984]

WORK EXPERIENCE OF HUSBAND	NUMBER (1,000)					MEAN EARNINGS (dol.)				
	Total	Wife worked in 1983			Wife did not work in 1983	Total	Wife worked in 1983			Wife did not work in 1983
		Total	Worked at full-time jobs	Worked at part-time jobs			Total	Worked at full-time jobs	Worked at part-time jobs	
Total	42,182	28,706	19,183	9,523	13,477	26,574	30,614	32,495	26,824	24,229
Husband worked in 1983	39,885	26,408	17,689	8,719	13,477	29,684	32,466	34,206	26,944	24,229
Full-time jobs	37,042	24,679	16,766	8,112	12,163	30,966	33,356	34,963	30,035	26,079
Part-time jobs	2,843	1,530	923	607	1,313	12,980	18,029	20,438	14,367	7,100
Husband did not work in 1983	2,298	2,298	1,494	803	(x)	9,295	9,295	12,242	3,816	(x)

X Not applicable.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 153.

No. 707. Per Capita Money Income in Current and Constant (1986) Dollars, by Race and Hispanic Origin: 1970 to 1986

[In dollars]

YEAR	CURRENT DOLLARS				CONSTANT (1986) DOLLARS			
	All races	White	Black	Hispanic [1]	All races	White	Black	Hispanic [1]
1970	3,177	3,354	1,869	(NA)	8,971	9,471	5,278	(NA)
1971	3,417	3,596	2,062	(NA)	9,251	9,736	5,583	(NA)
1972	3,769	3,968	2,300	(NA)	9,878	10,400	6,028	(NA)
1973	4,141	4,361	2,521	2,454	10,217	10,760	6,220	6,055
1974	4,445	4,677	2,718	2,735	9,883	10,399	6,043	6,081
1975	4,816	5,072	2,972	2,847	9,815	10,333	6,055	5,800
1976	5,271	5,556	3,286	3,179	10,152	10,701	6,329	6,123
1977	5,785	6,100	3,574	3,538	10,467	11,037	6,467	6,402
1978	6,455	6,797	4,034	3,961	10,849	11,423	6,780	6,657
1979	7,168	7,574	4,444	4,432	10,826	11,441	6,713	6,695
1980	7,787	8,233	4,804	4,865	10,362	10,955	6,392	6,474
1981	8,476	8,979	5,129	5,349	10,218	10,825	6,183	6,449
1982	8,980	9,527	5,360	5,448	10,201	10,822	6,089	6,189
1983	9,548	10,125	5,755	5,852	10,508	11,143	6,334	6,440
1984	10,328	10,939	6,277	6,401	10,902	11,547	6,626	6,757
1985	11,013	11,671	6,840	6,613	11,225	11,896	6,972	6,740
1986	11,670	12,352	7,207	7,000	11,670	12,352	7,207	7,000

NA Not available. [1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157

Digitized by Google

No. 708. Per Capita Money Income, 1969 to 1985, and Median Family Income, 1969 and 1979, by State

[In **dollars**. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 205–256 and Appendix III]

STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME	
	1969	1979	1985	1969	1979
United States	**3,119**	**7,298**	**10,798**	**9,586**	**19,917**
Alabama	2,317	5,892	8,681	7,263	16,347
Alaska	3,725	10,193	13,650	12,441	28,395
Arizona	2,937	7,042	10,561	9,185	19,017
Arkansas	2,142	5,613	8,389	6,271	14,641
California	3,614	8,294	11,885	10,729	21,537
Colorado	3,106	7,998	11,713	9,552	21,279
Connecticut	3,885	8,511	14,090	11,808	23,149
Delaware	3,265	7,449	11,375	10,209	20,817
District of Columbia	3,842	8,959	13,530	9,576	19,099
Florida	3,058	7,260	11,271	8,261	17,280
Georgia	2,640	6,380	10,191	8,165	17,414
Hawaii	3,373	7,740	11,003	11,552	22,750
Idaho	2,644	6,248	8,567	8,380	17,492
Illinois	3,495	8,064	11,302	10,957	22,746
Indiana	3,070	7,141	9,978	9,966	20,535
Iowa	2,884	7,136	10,096	9,016	20,052
Kansas	2,929	7,349	10,684	8,690	19,707
Kentucky	2,425	5,973	8,614	7,439	16,444
Louisiana	2,330	6,425	8,836	7,527	18,088
Maine	2,548	5,766	9,042	8,205	16,167
Maryland	3,512	8,293	12,967	11,057	23,112
Massachusetts	3,408	7,457	12,510	10,833	21,166
Michigan	3,357	7,688	10,902	11,029	22,107
Minnesota	3,038	7,450	11,186	9,928	21,185
Mississippi	1,925	5,182	7,483	6,066	14,591
Missouri	2,952	6,915	10,283	8,908	18,784
Montana	2,696	6,589	8,781	8,509	18,413
Nebraska	2,797	6,934	10,546	8,562	19,122
Nevada	3,554	8,453	11,200	10,687	21,311
New Hampshire	2,985	6,966	11,659	9,682	19,723
New Jersey	3,674	8,127	13,129	11,403	22,906
New Mexico	2,437	6,120	8,814	7,845	18,928
New York	3,608	7,496	11,765	10,609	20,180
North Carolina	2,474	6,132	9,517	7,770	16,792
North Dakota	2,469	6,417	9,635	7,836	18,023
Ohio	3,199	7,284	10,371	10,309	20,809
Oklahoma	2,694	6,854	9,754	7,720	17,668
Oregon	3,148	7,556	9,925	9,487	20,027
Pennsylvania	3,066	7,075	10,288	9,554	19,995
Rhode Island	3,121	6,897	10,892	9,733	19,448
South Carolina	2,393	5,884	8,890	7,620	16,918
South Dakota	2,387	5,696	8,553	7,490	15,993
Tennessee	2,464	6,212	9,290	7,446	16,564
Texas	2,792	7,203	10,373	8,486	19,618
Utah	2,897	6,305	8,535	9,320	20,024
Vermont	2,772	6,177	9,619	8,928	17,205
Virginia	2,996	7,475	11,894	9,044	20,018
Washington	3,357	8,073	10,866	10,404	21,896
West Virginia	2,333	6,142	8,141	7,414	17,308
Wisconsin	3,032	7,241	10,298	10,065	20,915
Wyoming	2,895	7,927	9,782	8,944	22,430

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C), and *Current Population Reports*, series P-26, forthcoming reports.

No. 709. Per Capita Money Income for 50 Largest Cities: 1979 and 1985

CITIES RANKED BY POPULATION-SIZE, 1986	1979	1985	Percent change, 1979–1985
New York	7,271	11,188	53.9
Los Angeles	8,415	12,084	43.6
Chicago	6,933	9,642	39.1
Houston	8,817	12,115	37.4
Philadelphia	6,053	8,807	45.5
Detroit	6,215	8,852	42.4
San Diego	8,016	11,766	46.8
Dallas	8,610	12,816	48.9
San Antonio	5,758	8,499	47.6
Phoenix	7,552	11,363	50.5
Honolulu [1]	7,912	11,434	44.5
Baltimore	5,877	8,647	47.1
San Francisco	9,265	13,575	46.5
Indianapolis	7,585	10,836	42.9
San Jose	8,382	12,583	50.1
Memphis	6,466	9,362	44.8
Washington	8,959	13,530	51.0
Jacksonville	6,767	10,466	54.7
Milwaukee	7,029	9,765	38.9
Boston	6,555	10,774	64.4
Columbus	6,783	9,909	46.1
New Orleans	6,463	8,975	38.9
Cleveland	5,770	8,018	39.0
Denver	8,553	12,490	46.0
El Paso	5,439	7,670	41.0
Seattle	9,282	12,919	39.2
Nashville-Davidson	7,276	11,253	54.7
Austin	7,368	11,623	57.9
Oklahoma City	7,998	11,527	44.1
Kansas City	7,480	11,153	49.1
Fort Worth	7,336	10,515	43.3
St. Louis	5,877	8,799	49.7
Atlanta	6,539	10,341	58.1
Long Beach	8,342	11,729	40.6
Portland	8,123	10,770	32.6
Pittsburgh	6,845	9,998	46.1
Miami	6,084	8,904	46.4
Tulsa	8,842	12,670	43.3
Cincinnati	6,874	10,247	49.1
Albuquerque	7,440	11,133	49.6
Tucson	6,551	9,430	43.9
Oakland	7,701	10,911	41.7
Minneapolis	7,940	12,302	54.9
Charlotte	7,952	12,259	54.2
Omaha	7,714	12,886	67.0
Toledo	7,050	10,050	42.6
Virginia Beach	7,704	12,039	56.3
Buffalo	5,929	8,840	49.1
Sacramento	7,558	10,627	40.6
Newark	4,525	6,494	43.5

[1] Data are for Honolulu County.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C) and *Current Population Reports*, series P-26, forthcoming reports.

Digitized by Google

No. 710. Money Income of Persons—Percent Distribution by Income Level, Median, and Mean Income, by Sex, 1970 to 1985, and by Age, Race, Hispanic Origin, and Region, 1985

[As of **March** of following year. For 1970 and 1975, persons 14 years old and over; thereafter, 15 years old and over. Based on Current Population Survey; see headnote, table 699. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-268, for percent distribution by income level, and median income]

Sex, year, age, race, Hispanic origin, and region	All persons (mil.)	Persons with income									Median income (dol.)	Mean income (dol.)
		Total (mil.)	Percent distribution by income (in dollars) level—									
			1 to 1,999 or less [1]	2,000–3,999	4,000–5,999	6,000–7,999	8,000–9,999	10,000–14,999	15,000–24,999	25,000 and over		
MALE												
1970	70.8	65.0	18.8	13.7	12.9	14.7	13.2	17.7	6.8	2.3	6,670	7,537
1975	77.8	71.2	12.9	12.0	10.8	10.0	9.6	21.7	17.5	5.4	8,853	10,429
1980	82.9	78.7	9.1	8.0	8.2	7.8	6.8	17.1	25.5	17.5	12,530	15,340
1981	84.0	79.7	8.9	7.8	7.8	7.5	6.8	15.8	24.5	21.4	13,473	16,515
1982	85.0	79.7	9.1	7.0	7.3	7.2	6.1	16.0	23.6	23.6	13,950	17,381
1983	86.1	80.9	9.0	6.9	6.9	7.0	5.9	15.2	23.2	25.8	14,631	18,109
1984	87.0	82.2	8.1	6.5	6.8	6.7	5.6	14.6	22.4	29.2	15,600	19,436
1985	**88.5**	**83.6**	**7.5**	**5.9**	**6.3**	**6.4**	**5.8**	**14.5**	**22.3**	**31.4**	**16,311**	**20,652**
15–19 years old	9.2	8.2	52.8	21.3	11.0	9.5		3.8	1.5	.1	1,893	2,987
20–24 years old	9.8	9.2	10.5	13.3	11.3	20.4		20.8	18.2	5.5	8,629	10,237
25–34 years old	21.0	20.5	3.3	3.6	3.9	9.9		16.8	30.4	32.3	18,662	20,715
35–44 years old	16.0	15.7	2.7	2.7	3.2	8.3		10.2	23.9	51.0	25,358	28,455
45–54 years old	11.0	10.8	3.3	2.7	2.5	7.2		9.9	22.3	52.2	25,600	29,756
55–64 years old	10.4	10.1	3.9	3.4	5.5	10.6		13.4	22.8	40.1	20,257	25,335
65 yr. old and over	11.3	11.2	1.9	5.5	12.4	25.8		22.3	19.1	13.1	10,900	14,940
White	78.6	73.2	7.1	5.5	5.9	11.7		14.3	22.3	33.5	17,111	21,523
Black	9.3	8.1	11.2	9.9	10.2	15.9		16.5	22.2	14.3	10,766	13,376
Hispanic [2]	6.2	5.5	8.0	8.4	8.8	18.8		17.9	21.4	16.8	11,434	14,490
Northeast	18.8	17.8	6.9	5.2	5.8	11.2		13.9	23.3	33.7	17,581	21,955
Midwest	21.8	20.8	9.0	6.4	6.4	11.3		13.3	22.9	30.9	16,377	19,924
South	30.0	28.2	7.3	6.7	7.1	12.9		16.2	21.5	28.3	14,935	19,536
West	18.1	17.1	6.9	4.8	5.3	13.0		13.7	21.4	34.7	17,390	22,041
FEMALE												
1970	77.6	51.8	46.7	22.1	15.7	8.6	3.8	2.5	.4	.2	2,237	3,138
1975	85.0	60.8	31.9	24.0	15.4	11.2	7.3	7.9	2.2	.3	3,385	4,513
1980	91.1	80.8	24.8	16.6	13.3	10.3	7.9	14.2	9.0	1.9	4,920	6,772
1981	92.2	82.1	22.8	17.2	13.4	10.0	7.9	15.0	10.9	2.7	5,458	7,440
1982	93.1	82.5	21.7	15.9	13.1	9.9	7.8	15.1	12.7	3.9	5,887	8,195
1983	94.3	83.8	20.7	14.7	12.9	9.8	7.4	15.4	14.0	5.2	6,319	8,780
1984	95.3	85.8	19.2	13.6	12.6	9.8	7.4	15.0	15.6	6.6	6,868	9,584
1985	**96.4**	**86.5**	**18.3**	**13.2**	**12.2**	**9.7**	**7.4**	**15.0**	**16.2**	**8.2**	**7,217**	**10,173**
15–19 years old	9.1	5.8	55.7	22.4	10.4	8.0		2.7	.8	.1	1,796	2,595
20–24 years old	10.2	9.2	18.1	17.2	13.8	20.7		19.3	9.7	1.2	6,155	7,400
25–34 years old	21.1	19.3	17.9	9.0	8.6	14.9		17.4	22.6	9.6	9,879	11,591
35–44 years old	16.6	15.3	18.2	8.7	8.0	14.8		15.4	22.0	13.8	10,275	12,705
45–54 years old	11.7	10.6	19.1	10.0	8.0	14.2		16.4	20.5	12.1	9,819	11,942
55–64 years old	11.7	10.6	19.8	14.2	10.9	15.9		14.8	15.9	9.0	7,173	10,478
65 yr. old and over	18.1	15.8	4.0	18.9	24.0	26.0		12.7	9.3	5.1	6,313	8,982
White	82.3	74.6	16.8	12.4	11.8	17.1		15.1	16.3	8.3	7,357	10,317
Black	11.3	9.6	13.5	19.4	15.4	17.4		13.7	14.3	6.0	6,277	9,001
Hispanic [2]	6.4	4.8	19.8	15.3	14.9	19.5		13.7	12.9	4.1	6,020	8,178
Northeast	21.0	19.0	17.1	12.1	12.9	17.4		15.0	16.8	8.9	7,543	10,653
Midwest	23.7	21.7	19.8	13.2	12.5	16.8		15.0	15.8	7.2	6,853	9,638
South	33.0	29.1	18.5	15.1	12.3	16.9		14.9	14.9	7.2	6,795	9,610
West	18.7	16.8	17.5	11.0	10.7	17.5		14.8	18.3	10.4	8,115	11,294

[1] Includes persons with income deficit. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 156.

No. 711. Median Money Income of Year-Round Full-Time Workers With Income, by Sex and Age: 1970 to 1986

[Age as of **March** of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

Age	Female					Male				
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
Total with income	[1] $5,440	$11,591	$15,422	$16,252	$16,843	[1] $9,184	$19,173	$24,004	$24,999	$25,894
15–19 years old	[2] 3,783	6,779	8,509	8,372	8,333	[2] 3,950	7,753	8,886	9,050	9,730
20–24 years old	4,928	9,407	11,435	11,757	12,192	6,855	12,109	13,043	13,827	14,152
25–34 years old	5,923	12,190	15,896	16,740	17,087	9,126	17,724	21,607	22,321	22,692
35–44 years old	5,531	12,239	17,137	18,032	18,810	10,258	21,777	27,610	28,966	30,189
45–54 years old	5,588	12,116	15,745	17,009	18,057	9,931	22,323	26,545	29,880	31,657
55–64 years old	5,468	11,931	15,855	16,761	16,983	9,071	21,053	27,173	26,387	29,119
65 years old and over	4,884	12,342	15,230	18,336	17,180	6,754	17,307	26,450	26,146	27,326

[1] 14 years old and over. [2] 14 to 19 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and earlier issues.

Digitized by Google

No. 712. Persons, Families, and Children Below Poverty Level—Number and Percent, by State: 1979

[Persons, families, and related children as of **April of the following year.** For explanation of poverty level, see text, section 14. Excludes unrelated individuals under 15 years of age, and persons in specified types of group quarters, i.e. inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see source]

Region and State	Persons		Families		Related children [1]		Region and State	Persons		Families		Related children [1]	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent		Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
U.S	**27,393**	**12.4**	**5,670**	**9.6**	**10,026**	**16.0**	**South—Con.**						
Northeast	**5,343**	**11.2**	**1,111**	**8.7**	**1,992**	**15.5**	VA	611	11.6	129	9.2	216	14.9
ME	141	13.0	29	9.8	50	15.8	WV	287	15.0	62	11.7	102	16.5
NH	75	8.5	15	6.1	24	9.4	NC	840	14.6	183	11.6	299	18.3
VT	59	12.1	11	6.9	20	13.9	SC	500	16.6	106	13.1	195	21.0
MA	532	9.6	110	7.6	193	13.1	GA	884	16.6	189	13.2	342	21.1
RI	94	10.3	19	7.7	33	13.6	FL	1,287	13.5	268	9.9	427	16.5
CT	243	8.0	51	6.2	93	11.4	KY	626	17.6	144	14.6	230	21.6
NY	2,299	13.4	483	10.6	877	19.0	TN	736	16.5	164	13.1	263	20.6
NJ	689	9.5	148	7.6	278	14.1	AL	720	18.9	154	14.8	271	23.6
PA	1,210	10.5	245	7.6	426	13.9	MS	587	23.9	121	16.7	244	30.4
Midwest	**6,010**	**10.5**	**1,230**	**8.0**	**2,170**	**13.0**	AR	424	19.0	84	14.9	154	23.4
OH	1,069	10.3	228	8.0	401	13.2	LA	765	18.6	163	15.1	307	23.5
IN	516	9.7	107	7.3	189	11.9	OK	394	13.4	86	10.3	132	15.7
IL	1,231	11.0	247	8.4	478	14.9	TX	2,036	14.7	412	11.1	791	18.7
MI	946	10.4	198	8.2	361	13.3	**West**	**4,755**	**11.3**	**939**	**8.5**	**1,683**	**14.2**
WI	398	8.7	77	6.3	139	10.4	MT	94	12.3	19	9.2	32	13.6
MN	375	9.5	73	7.0	116	10.2	ID	117	12.6	24	9.6	43	14.3
IA	286	10.1	58	7.5	94	11.5	WY	36	7.9	7	5.6	11	7.7
MO	582	12.2	120	9.1	196	14.6	CO	285	10.1	55	7.4	91	11.5
ND	79	12.6	16	9.6	27	14.3	NM	226	17.6	47	14.0	91	22.1
SD	113	16.9	23	13.1	41	20.0	AZ	351	13.2	68	9.5	128	16.5
NE	163	10.7	33	8.0	53	12.1	UT	148	10.3	27	7.7	57	10.7
KS	232	10.1	47	7.4	73	11.4	NV	69	8.7	13	6.3	21	10.0
South	**11,285**	**15.4**	**2,390**	**11.9**	**4,180**	**19.6**	WA	396	9.8	78	7.2	128	11.5
DE	68	11.9	14	8.9	25	15.6	OR	274	10.7	54	7.7	85	12.0
MD	405	9.8	82	7.5	143	12.5	CA	2,627	11.4	521	8.7	947	15.2
DC	113	18.6	21	15.1	38	27.0	AK	42	10.7	6	6.6	15	12.1
							HI	92	9.9	18	7.8	35	13.0

[1] Under 18 years.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC80-1-C).

No. 713. Persons Below Poverty Level and Below 125 Percent of Poverty Level: 1959 to 1986

[Persons as of **March** of the **following year.** For explanation of poverty level, see text, section 14]

Year	Number below poverty level (mil.)				Percent below poverty level				Below 125 percent of poverty level		Average income cutoffs for non-farm family of 4 [3]	
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]	Number (mil.)	Percent of total population	At poverty level	At 125 percent of poverty level
1959	39.5	28.5	9.9	(NA)	22.4	18.1	55.1	(NA)	54.9	31.1	$2,973	$3,716
1960	39.9	28.3	(NA)	(NA)	22.2	17.6	(NA)	(NA)	54.6	30.4	3,022	3,778
1966	28.5	20.6	6.9	(NA)	14.7	12.2	41.6	(NA)	41.3	21.3	3,317	4,146
1969	24.1	16.7	7.1	(NA)	12.1	9.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	35.6	17.6	3,968	4,960
1975	25.9	17.8	7.5	3.0	12.3	9.7	31.3	26.9	37.2	17.6	5,500	6,875
1976	25.0	16.7	7.6	2.8	11.8	9.1	31.1	24.7	35.5	16.7	5,815	7,269
1977	24.7	16.4	7.7	2.7	11.6	8.9	31.3	22.4	35.7	16.7	6,191	7,739
1978	24.5	16.3	7.6	2.6	11.4	8.7	30.6	21.6	34.2	15.8	6,662	8,328
1979 [4]	25.3	16.6	7.6	2.9	11.6	8.9	30.9	21.6	35.6	16.3	7,412	9,265
1979 [5]	26.1	17.2	8.1	2.9	11.7	9.0	31.0	21.6	36.6	16.4	7,412	9,265
1980	29.3	19.7	8.6	3.5	13.0	10.2	32.5	25.7	40.7	18.1	8,414	10,518
1981	31.8	21.6	9.2	3.7	14.0	11.1	34.2	26.5	43.7	19.3	9,287	11,609
1982	34.4	23.5	9.7	4.3	15.0	12.0	35.6	29.9	46.5	20.3	9,862	12,328
1983	35.3	24.0	9.9	4.6	15.2	12.1	35.7	28.0	47.2	20.3	10,178	12,723
1984	33.7	23.0	9.5	4.6	14.4	11.5	33.6	28.4	45.3	19.4	10,609	13,261
1985	33.1	22.9	8.9	5.2	14.0	11.4	31.3	29.0	44.2	18.7	10,989	13,736
1986	32.4	22.2	9.0	5.1	13.6	11.0	31.1	27.3	43.5	18.2	11,203	14,004

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Beginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. [4] Population controls based on 1970 census; see text, section 14. [5] Population controls based on 1980 census; see text, sections 1 and 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

Digitized by Google

No. 714. Persons Below Poverty Level and Below 125 Percent of Poverty Level, by Race of Householder and Family Status: 1979 to 1986

[Persons as of **March** of **following year.** For explanation of poverty level, see text, section 14]

Race of householder and family status	Below poverty level					Below 125 percent of poverty level				
	1979 [1]	1983	1984	1985	1986	1979 [1]	1983	1984	1985	1986
NUMBER (mil.)										
All persons [2]	26.1	35.5	33.7	33.1	32.4	36.6	47.5	45.3	44.2	43.5
In families	20.0	26.0	25.5	25.7	24.8	28.1	37.6	35.5	34.4	33.2
Householder	5.5	7.7	7.3	7.2	7.0	7.6	10.4	9.9	9.8	9.5
Related children under 18 years	10.0	13.4	12.9	12.5	12.3	13.4	17.2	16.4	15.8	15.5
Other family members	4.5	6.9	6.3	6.0	5.5	7.0	10.0	9.2	8.9	8.2
Unrelated individuals	5.7	6.9	6.6	6.7	6.8	6.0	9.1	9.1	9.1	9.4
White	17.2	24.2	23.0	22.9	22.2	25.2	33.6	32.1	31.5	30.7
In families	12.5	18.5	17.3	17.1	16.4	18.4	25.8	24.2	23.7	22.8
Householder	3.6	5.3	4.9	5.0	4.8	5.3	7.4	7.0	7.0	6.7
Related children under 18 years	5.9	8.6	8.1	7.8	7.7	8.2	11.4	10.7	10.3	10.0
Other family members	3.0	4.7	4.3	4.3	3.9	4.8	7.1	6.6	6.4	5.9
Unrelated individuals	4.5	5.3	5.2	5.3	5.2	6.5	7.3	7.3	7.3	7.4
Black	8.1	9.9	9.5	8.9	9.0	10.3	12.1	11.6	11.1	11.2
In families	6.6	8.4	8.1	7.5	7.4	8.8	10.3	9.9	9.3	9.2
Householder	1.7	2.2	2.1	2.0	2.0	2.2	2.7	2.6	2.5	2.5
Related children under 16 years	3.7	4.3	4.3	4.1	4.0	4.7	5.1	5.1	4.8	4.8
Other family members	1.3	1.9	1.7	1.5	1.4	1.9	2.5	2.3	2.1	1.9
Unrelated individuals	1.2	1.3	1.3	1.3	1.4	1.4	1.8	1.8	1.6	1.8
In families with female householder, no husband present [3]	13.5	16.8	16.4	16.4	16.9	17.4	20.8	20.3	20.1	21.0
In families	9.4	12.1	11.8	11.6	11.9	11.6	14.4	14.0	13.7	14.2
Householder	2.6	3.8	3.5	3.5	3.6	3.3	4.3	4.2	4.2	4.3
Related children under 18 years	5.6	6.6	6.6	6.7	6.9	6.7	7.7	7.7	7.6	7.9
Other family members	1.1	1.8	1.6	1.4	1.4	1.6	2.4	2.1	2.0	1.9
Unrelated individuals	3.8	4.2	4.0	4.2	4.3	5.4	5.8	5.7	5.8	6.0
In all other families [3]	12.6	18.7	17.3	16.7	15.4	19.2	26.7	25.0	24.1	22.5
In families	10.6	15.9	14.6	14.1	12.8	16.5	23.2	21.5	20.7	19.0
Householder	2.8	4.1	3.8	3.7	3.4	4.5	6.1	5.7	5.6	5.1
Related children under 18 years	4.4	6.7	6.2	5.8	5.3	6.6	9.5	8.7	8.2	7.6
Other family members	3.4	5.1	4.7	4.8	4.1	5.4	7.6	7.1	6.9	6.3
Unrelated individuals	2.0	2.7	2.6	2.5	2.5	2.7	3.4	3.4	3.3	3.4
PERCENT OF POPULATION										
All persons [2]	11.7	15.3	14.4	14.0	13.8	16.4	20.5	19.4	18.7	18.2
In families	10.2	13.9	13.1	12.6	12.0	14.4	18.7	17.5	16.9	16.2
Householder	9.2	12.4	11.6	11.4	10.9	13.1	16.8	15.8	15.3	14.7
Related children under 18 years	16.0	21.8	21.0	20.1	19.6	21.3	28.0	26.6	25.5	25.1
Other family members	6.1	8.9	8.0	7.7	6.9	9.5	12.8	11.8	11.3	10.3
Unrelated individuals	21.9	23.5	21.8	21.5	21.6	30.7	31.4	29.9	29.0	29.6
White	9.8	12.2	11.5	11.4	11.0	13.1	17.0	16.1	15.7	15.2
In families	7.4	10.8	10.1	9.9	9.4	10.9	15.1	14.1	13.7	13.0
Householder	6.9	9.7	9.5	9.1	8.8	10.2	13.7	12.8	12.7	12.0
Related children under 18 years	11.4	17.0	16.1	15.6	15.3	15.9	22.7	21.3	20.5	20.0
Other family members	4.7	6.9	6.4	6.4	5.7	7.5	10.5	9.8	9.5	8.6
Unrelated individuals	19.7	21.0	19.9	19.8	19.2	28.6	28.9	27.9	27.0	27.3
Black	31.0	35.7	33.8	31.3	31.1	39.9	43.7	41.4	38.8	38.7
In families	30.0	34.7	33.2	30.5	29.7	39.0	42.7	40.7	37.9	37.1
Householder	27.8	32.3	30.9	28.7	28.0	36.2	40.2	38.2	35.8	35.0
Related children under 18 years	40.8	46.2	46.2	43.1	42.7	51.1	55.0	54.1	51.0	50.8
Other family members	16.2	23.6	20.5	17.7	16.5	26.1	30.8	27.7	24.8	23.3
Unrelated individuals	37.3	40.9	35.8	34.7	38.5	45.4	48.6	44.6	42.7	47.3
In families with female householder, no husband present [3]	32.0	35.8	34.0	33.5	34.2	41.3	44.2	41.9	41.1	42.4
In families	34.9	40.3	38.4	37.8	38.3	43.2	47.9	45.3	44.5	45.6
Householder	30.4	36.1	34.5	34.0	34.6	38.2	43.7	41.5	40.8	41.8
Related children under 18 years	48.6	55.5	54.0	53.6	54.4	58.0	63.3	61.2	60.7	62.3
Other family members	16.9	22.2	19.1	17.3	17.5	23.9	29.7	25.7	24.2	24.1
Unrelated individuals	26.0	26.3	24.4	24.8	25.1	37.0	36.0	34.2	33.9	35.0
In all other families [3]	7.0	10.1	9.3	8.9	8.2	10.6	14.4	13.5	12.8	11.9
In families	6.3	9.3	8.5	8.2	7.3	9.8	13.5	12.6	11.9	10.9
Householder	5.5	7.9	7.2	7.0	6.3	8.8	11.7	10.8	10.5	9.5
Related children under 18 years	8.5	13.5	12.5	11.7	10.8	13.0	19.3	17.7	16.5	15.4
Other family members	5.1	7.3	6.7	6.6	5.6	8.1	10.9	10.2	9.6	8.8
Unrelated individuals	16.9	20.2	18.7	17.4	17.5	22.9	25.6	24.6	23.2	23.5

[1] Population controls based on 1980 census; see text section 14. [2] Includes races and members of unrelated subfamilies not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

Digitized by Google

No. 715. Persons Below Poverty Level, by Race, Hispanic Origin, Age, and Region: 1986

[Persons as of **March 1987.** Based on Current Population Survey; see headnote, table 699. For explanation of poverty level, see text, section 14. For composition of regions, see fig. I, inside front cover]

Age and region	Number below poverty level (1,000)				Percent below poverty level			
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]
Total	**32,370**	**22,183**	**8,983**	**5,117**	**13.6**	**11.0**	**31.1**	**27.3**
Under 16 years old	11,650	7,437	3,730	2,296	21.0	16.5	43.8	38.4
16–21 years old	3,631	2,384	1,107	582	18.8	13.2	34.7	27.7
22–44 years old	9,543	6,719	2,420	1,556	10.8	9.0	23.4	21.4
45–64 years old	4,070	2,955	1,003	477	9.1	6.8	22.3	19.1
65 years old and over	3,477	2,689	722	204	12.4	10.7	31.0	22.5
Northeast	5,211	3,866	1,170	1,113	10.5	8.9	24.0	32.7
Midwest	7,641	5,533	1,892	284	13.0	10.8	34.5	24.3
South	13,106	7,593	5,383	1,759	18.1	11.8	33.8	29.4
West	6,412	5,172	537	1,960	13.2	12.3	21.7	24.0

[1] Includes other races not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

No. 716. Persons 65 Years Old and Over Below Poverty Level, by Selected Characteristics: 1970 to 1986

[Persons as of **March** of **following year.** See headnote, table 715]

Characteristic	Number below poverty level (1,000)					Percent below poverty level				
	1970	1979 [1]	1984	1985	1986	1970	1979 [1]	1984	1985	1986
Persons, 65 yr. and over [2]	**4,793**	**3,682**	**3,330**	**3,456**	**3,477**	**24.6**	**15.2**	**12.4**	**12.8**	**12.4**
White	4,011	2,911	2,579	2,698	2,689	22.6	13.3	10.7	11.0	10.7
Black	735	740	710	717	722	47.7	36.3	31.7	31.5	31.0
Hispanic [3]	(NA)	154	176	219	204	(NA)	26.8	21.5	23.9	22.5
In families	2,013	1,380	1,205	1,173	1,164	14.8	8.4	6.7	6.4	6.2
Householder	1,188	822	713	708	718	16.5	9.1	7.3	7.0	7.0
Male	980	629	489	498	520	15.9	8.4	6.0	6.0	6.1
Female	209	193	224	210	196	20.1	13.0	13.0	12.1	11.8
Other members	825	559	493	465	448	13.0	7.6	6.0	5.8	5.2
Unrelated individuals	2,779	2,299	2,123	2,281	2,311	47.2	29.4	24.2	25.6	25.2
Male	549	428	401	402	412	38.9	25.3	20.8	20.5	19.6
Female	2,230	1,871	1,722	1,879	1,899	49.8	30.5	25.2	27.0	26.8
Persons, 60 yr. and over	**5,977**	**4,753**	**4,496**	**4,677**	**4,547**	**21.3**	**13.9**	**12.0**	**12.3**	**11.7**

NA Not available. [1] Population controls based on 1980 census; see text, section 14. [2] Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "In families" category. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and unpublished data.

No. 717. Children Below the Poverty Level, by Race and Hispanic Origin: 1970 to 1986

[Persons as of **March** of the **following year.** Covers only related children in families under 18 years old. Based on Current Population Survey; see headnote, table 699. For explanation of poverty, see text, section 14. For composition of regions, see fig. I, inside front cover]

Year and region	Number below poverty level (1,000)				Percent below poverty level			
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]
1970	10,235	8,138	3,922	(NA)	14.9	10.5	41.5	(NA)
1971	10,344	8,341	3,836	(NA)	15.1	10.9	40.7	(NA)
1972	10,082	5,784	4,025	(NA)	14.9	10.1	42.7	(NA)
1973	9,453	5,462	3,822	1,364	14.2	9.7	40.6	27.8
1974	9,967	8,079	3,713	1,414	15.1	11.0	39.8	28.8
1975	10,882	6,748	3,884	1,619	16.8	12.5	41.4	33.1
1976	10,081	6,034	3,758	1,424	15.6	11.3	40.4	30.1
1977	10,029	5,943	3,850	1,402	16.0	11.4	41.6	28.0
1978	9,722	5,674	3,781	1,354	15.7	11.0	41.2	27.2
1979	9,993	5,909	3,745	1,505	18.0	11.4	40.8	27.7
1980	11,114	6,817	3,906	1,718	17.9	13.4	42.1	33.0
1981	12,068	7,429	4,170	1,874	19.5	14.7	44.9	35.4
1982	13,139	8,282	4,388	2,117	21.3	16.5	47.3	38.9
1983	13,427	8,534	4,273	2,251	21.8	17.0	46.2	37.7
1984	12,929	8,086	4,320	2,317	21.0	16.1	46.2	38.7
1985	12,483	7,838	4,057	2,512	20.1	15.6	43.1	39.8
1986	12,257	7,714	4,039	2,413	19.8	15.3	42.7	37.1
Northeast	1,903	1,341	492	556	18.0	13.3	32.7	47.2
Midwest	2,966	1,935	945	150	18.8	14.3	48.6	33.5
South	4,886	2,461	2,374	763	23.0	15.8	44.8	39.3
West	2,500	1,977	227	944	19.1	17.7	32.0	32.1

NA Not available. [1] Includes persons of other races, not shown separately. [2] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157, and earlier reports.

Digitized by Google

No. 718. Families Below Poverty Level and Below 125 Percent of Poverty Level: 1959 to 1986

[Families as of **March** of the **following year.** For explanation of poverty level, see text, section 14]

Year	Number below poverty level (1,000)				Percent below poverty level				Below 125 percent of poverty level	
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]	Number (1,000)	Percent
1959	8,320	6,185	1,860	(NA)	18.5	15.2	48.1	(NA)	11,790	26.2
1960	8,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)	11,525	25.4
1968	5,784	4,106	1,620	(NA)	11.8	9.3	35.5	(NA)	8,637	17.6
1969	5,008	3,575	1,366	(NA)	9.7	7.7	27.9	(NA)	7,353	14.3
1970	5,260	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)	7,516	14.4
1971	5,303	3,751	1,484	(NA)	10.0	7.9	28.8	(NA)	7,761	14.6
1972	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)	7,347	13.5
1973	4,828	3,219	1,527	468	8.6	6.6	28.1	19.8	7,044	12.8
1974	4,922	3,352	1,479	526	8.8	6.8	26.9	21.2	7,195	12.9
1975	5,450	3,838	1,513	627	9.7	7.7	27.1	25.1	7,974	14.2
1976	5,311	3,560	1,617	598	9.4	7.1	27.9	23.1	7,647	13.5
1977	5,311	3,540	1,637	591	9.3	7.0	28.2	21.4	7,713	13.5
1978	5,280	3,523	1,622	559	9.1	6.9	27.5	20.4	7,417	12.8
1979 [3]	5,320	3,515	1,666	610	9.1	6.8	27.6	19.7	7,586	13.0
1979 [4]	5,461	3,581	1,722	614	9.2	6.9	27.8	20.3	7,784	13.1
1980	6,217	4,195	1,826	751	10.3	8.0	28.9	23.2	8,764	14.5
1981	6,851	4,670	1,972	792	11.2	8.8	30.8	24.0	9,566	15.7
1982	7,512	5,118	2,158	918	12.2	9.6	33.0	27.2	10,278	16.7
1983	7,581	5,254	2,161	985	12.4	9.7	32.3	28.0	10,410	16.6
1984	7,277	4,925	2,094	991	11.6	9.1	30.9	25.2	9,901	15.8
1985	7,223	4,963	1,983	1,074	11.4	9.1	28.7	25.5	9,753	15.3
1986	7,023	4,811	1,987	1,085	10.9	8.6	28.0	24.7	9,476	14.7

NA Not available. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Population controls based on 1970 census; see text, section 14. [4] Population controls based on 1980 census; see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

No. 719. Families Below Poverty Level—Selected Characteristics, by Race and Hispanic Origin: 1986

[**In thousands, except percent.** Families as of **March 1987.** For explanation of poverty, see text, section 14. For composition of regions, see fig. I, inside front cover]

Characteristic	Number below poverty level				Percent below poverty level			
	All races [1]	White	Black	Hispanic [2]	All races [1]	White	Black	Hispanic [2]
Total	**7,023**	**4,811**	**1,987**	**1,085**	**10.9**	**8.6**	**28.0**	**24.7**
Age of householder:								
15–24 years old	925	634	278	159	31.5	26.3	58.6	40.1
25–34 years old	2,292	1,540	688	403	15.2	12.1	34.4	29.4
35–44 years old	1,526	1,051	408	253	9.9	7.9	24.3	22.0
45–54 years old	811	521	249	128	7.4	5.6	20.2	18.8
55–64 years old	752	567	166	84	7.7	6.5	20.3	18.0
65 years old and over	716	498	196	58	7.0	5.4	22.1	17.3
Northeast	1,156	853	271	276	8.8	7.2	22.1	32.0
Midwest	1,683	1,203	442	68	10.8	8.4	32.3	24.8
South	2,860	1,681	1,153	360	12.7	9.1	29.8	25.2
West	1,325	1,074	122	381	10.4	9.8	19.2	20.8
Size of family:								
2 persons	2,350	1,730	567	208	8.9	7.4	24.3	18.7
3 persons	1,697	1,144	512	242	11.0	8.7	27.3	24.1
4 persons	1,375	952	378	254	10.1	8.1	26.4	23.1
5 persons	811	530	252	191	13.7	10.8	33.0	29.1
6 persons	415	257	120	95	20.0	15.9	33.3	32.4
7 persons or more	375	199	159	95	31.9	26.1	48.0	40.3
Mean size	3.52	3.42	3.73	4.11	(X)	(X)	(X)	(X)
Mean number of children per family with children	2.22	2.13	2.38	2.54	(X)	(X)	(X)	(X)
Education of householder: [3]								
Elementary: Less than 8 years	1,000	689	272	366	25.5	22.8	34.4	37.3
8 years	554	421	121	113	15.5	13.3	36.9	33.2
High school: 1 to 3 years	1,371	876	453	162	18.5	14.8	35.8	27.7
4 years	2,138	1,429	664	193	9.5	7.3	26.6	17.3
College: 1 year or more	951	708	186	55	4.0	3.3	10.9	8.3
Work experience of householder in 1986: [4]								
Total	**6,991**	**4,780**	**1,967**	**1,085**	**11.0**	**8.7**	**28.5**	**24.9**
Worked	3,500	2,602	793	559	7.1	6.0	16.4	16.5
50 to 52 weeks	1,452	1,114	288	259	3.7	3.2	8.3	10.4
1 to 49 weeks	2,048	1,488	505	300	19.6	16.9	37.3	33.3
Did not work	3,491	2,178	1,195	526	24.3	18.3	55.8	54.0

X Not applicable. [1] Includes other races not shown separately. [2] Hispanic persons may be of any race. [3] Householder 25 years old and over. [4] Restricted to families with civilian workers.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 157.

Digitized by Google

No. 720. Persons Below Poverty Level and Poverty Rate, by Valuation Technique and Type of Noncash Benefit Included: 1980 to 1986

[Persons as of **March** of the **following year.** Valuation techniques that are used to measure noncash benefits are as follows: (1) Market value approach which is equal to the purchase price in the private market of the goods received by the recipient; and (2) recipient and/or cash equivalent approach which is the amount of cash that would make the recipient just as well off as the in-kind transfer or would reflect the recipient's own valuation of the benefit. For more information on the methodology, see source]

VALUATION TECHNIQUE AND TYPE OF NONCASH BENEFIT INCLUDED	1980	1981	1982	1983	1984	1985	1986
NUMBER BELOW POVERTY LEVEL (1,000)							
Current poverty definition [1]	29,272	31,882	34,398	35,515	33,700	33,064	32,370
Market value approach:							
Including food and housing	25,042	27,932	30,688	32,123	30,103	29,489	28,988
Including food, housing, and medical benefits, excluding institutional expenditures	18,221	21,046	23,563	24,512	23,019	21,941	21,369
Recipient and/or cash equivalent approach:							
Including food and housing	25,633	28,651	31,365	32,718	30,909	30,351	29,793
Including food, housing, and medical benefits, excluding institutional expenditures	23,895	26,784	29,407	30,720	28,917	28,281	27,592
PERCENT BELOW POVERTY LEVEL							
Current poverty definition [1]	13.0	14.0	15.0	15.3	14.4	14.0	13.6
Market value approach:							
Including food and housing	11.1	12.3	13.4	13.9	12.9	12.5	12.2
Including food, housing, and medical benefits, excluding institutional expenditures	8.1	9.3	10.3	10.6	9.8	9.3	9.0
Recipient and/or cash equivalent approach:							
Including food and housing	11.4	11.8	13.7	14.1	13.2	12.8	12.5
Including food, housing, and medical benefits, excluding institutional expenditures	10.6	11.7	12.8	13.3	12.4	12.0	11.8

[1] See text, section 14.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1986*, Technical Paper 57.

No. 721. Persons Below Poverty Level and Poverty Rate, by Selected Characteristic, Using Alternative Methods of Valuing Noncash Benefits: 1986

[Persons as of **March 1987.** For explanation of valuation techniques, see headnote, table 720. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	NUMBER (1,000)					PERCENT BELOW POVERTY LEVEL				
		Market value		Recipient value			Market value		Recipient value	
	Current poverty definition	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Current poverty definition	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures	Valuing food and housing	Valuing food, housing, and medical benefits, excluding institutional expenditures
All persons	**32,370**	**28,988**	**21,369**	**29,793**	**27,592**	**13.6**	**12.2**	**9.0**	**12.5**	**11.6**
Under 6 years old	4,796	4,353	3,480	4,472	4,311	22.1	20.1	16.1	20.6	19.9
6–17 years old	8,080	7,051	5,209	7,239	6,822	19.6	17.1	12.6	17.5	16.5
18–24 years old	4,133	3,823	3,302	3,922	3,776	15.6	14.4	12.5	14.8	14.3
25–44 years old	7,815	7,012	5,667	7,167	6,855	10.2	9.2	7.4	9.4	9.0
45–64 years old	4,070	3,762	2,866	3,868	3,592	9.1	8.4	6.4	8.6	8.0
65 years old and over	3,477	2,987	846	3,105	2,237	12.4	10.7	3.0	11.1	8.0
White	22,183	20,039	14,882	20,540	18,969	11.0	9.9	7.4	10.2	9.4
Black	8,983	7,884	5,705	8,171	7,813	31.1	27.3	19.8	28.3	26.4
Hispanic [1]	5,117	4,565	3,501	4,667	4,439	27.3	24.3	18.7	25.0	23.7
Northeast	5,211	4,440	2,698	4,702	4,254	10.5	9.0	5.4	9.5	8.8
Midwest	7,641	6,872	4,895	7,060	6,469	13.0	11.7	8.3	12.0	11.0
South	13,106	11,888	9,266	12,103	11,339	16.1	14.8	11.3	14.8	13.9
West	6,412	5,788	4,511	5,927	5,529	13.2	11.9	9.3	12.2	11.4

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Estimates of Poverty Including the Value of Noncash Benefits: 1986*, Technical Paper 57.

Digitized by Google

No. 722. Gross and Net Stock of Fixed Reproducible Tangible Wealth in Current and Constant (1982) Dollars: 1970 to 1986

[In billions of dollars]

Item	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS													
Gross stock, total	**4,335**	**7,605**	**8,334**	**9,359**	**10,905**	**12,366**	**13,914**	**15,330**	**15,873**	**16,768**	**17,733**	**18,746**	**19,793**
Equipment	1,583	2,686	2,962	3,297	3,727	4,247	4,849	5,432	5,840	6,160	6,499	6,881	7,327
Structures	2,752	4,919	5,372	6,063	7,177	8,119	9,065	9,899	10,032	10,607	11,235	11,865	12,465
Private	2,649	4,756	5,277	5,992	6,981	7,902	8,943	10,007	10,343	10,929	11,586	12,103	12,798
Nonresidential equipment	679	1,252	1,389	1,558	1,770	2,031	2,353	2,680	2,894	3,008	3,153	3,283	3,439
Nonresidential structures	774	1,409	1,532	1,696	2,004	2,194	2,491	2,823	2,965	3,087	3,260	3,414	3,565
Residential	1,195	2,094	2,356	2,739	3,207	3,677	4,098	4,503	4,484	4,834	5,133	5,405	5,794
Corporate	1,115	2,056	2,260	2,516	2,902	3,264	3,748	4,259	4,542	4,706	4,977	5,198	5,453
Noncorporate	1,533	2,700	3,017	3,474	4,080	4,638	5,195	5,748	5,801	6,223	6,589	6,906	7,346
Government	1,006	1,730	1,824	1,995	2,372	2,704	2,997	3,162	3,234	3,387	3,561	3,648	3,952
Equipment	224	314	339	367	406	456	521	590	651	700	739	803	846
Structures	782	1,416	1,484	1,628	1,966	2,248	2,476	2,572	2,583	2,687	2,822	3,045	3,106
Federal	371	549	592	635	710	802	910	997	1,059	1,123	1,182	1,282	1,309
Military	228	316	344	366	403	465	533	586	636	683	706	790	828
State and local	635	1,161	1,232	1,361	1,662	1,902	2,087	2,165	2,175	2,264	2,400	2,586	2,643
Consumer durable goods	680	1,119	1,234	1,372	1,552	1,760	1,974	2,162	2,295	2,452	2,606	2,795	3,043
Motor vehicles	264	428	481	548	627	713	785	863	919	1,003	1,086	1,203	1,349
Furniture, household equipment	314	508	548	593	661	732	817	897	949	995	1,039	1,085	1,149
Other	102	183	205	231	264	315	372	402	427	454	481	508	544
Net stock, total	**2,637**	**4,600**	**5,014**	**5,625**	**6,564**	**7,436**	**8,312**	**9,094**	**9,310**	**9,775**	**10,325**	**10,899**	**11,508**
Private	1,637	2,934	3,242	3,681	4,295	4,867	5,484	6,104	6,242	6,563	6,939	7,254	7,670
Government	627	1,070	1,119	1,216	1,449	1,644	1,808	1,894	1,926	2,005	2,100	2,258	2,312
Consumer durable goods	372	596	653	725	820	925	1,020	1,096	1,142	1,207	1,286	1,387	1,525
CONSTANT (1982) DOLLARS													
Gross stock, total	**10,743**	**12,772**	**13,157**	**13,597**	**14,093**	**14,604**	**15,042**	**15,467**	**15,834**	**16,245**	**16,762**	**17,326**	**17,905**
Equipment	3,344	4,236	4,421	4,638	4,889	5,148	5,355	5,558	5,741	5,952	6,223	6,531	6,855
Structures	7,399	8,536	8,737	6,958	9,204	9,456	9,687	9,909	10,093	10,293	10,539	10,796	11,050
Private	6,989	8,313	8,549	8,837	9,164	9,514	9,813	10,106	10,334	10,579	10,904	11,247	11,585
Nonresidential equipment	1,620	2,084	2,166	2,273	2,400	2,537	2,651	2,759	2,834	2,913	3,024	3,147	3,272
Nonresidential structures	2,116	2,429	2,483	2,540	2,609	2,686	2,769	2,865	2,951	3,020	3,104	3,194	3,258
Residential	3,251	3,800	3,900	4,023	4,154	4,291	4,393	4,481	4,548	4,646	4,776	4,906	5,056
Corporate	2,883	3,480	3,588	3,715	3,867	4,036	4,194	4,354	4,481	4,600	4,771	4,965	5,139
Noncorporate	4,106	4,833	4,961	5,122	5,297	5,477	5,619	5,752	5,853	5,979	6,132	6,282	6,446
Government	2,548	2,839	2,895	2,943	3,001	3,056	3,116	3,171	3,230	3,291	3,348	3,420	3,499
Equipment	516	532	541	549	561	575	592	609	637	665	689	724	762
Structures	2,030	2,307	2,354	2,395	2,440	2,481	2,525	2,562	2,594	2,627	2,659	2,696	2,737
Federal	922	934	944	952	965	980	999	1,016	1,046	1,075	1,098	1,130	1,165
Military	554	544	551	555	561	574	588	600	624	647	666	695	728
State and local	1,626	1,905	1,951	1,992	2,036	2,076	2,116	2,153	2,185	2,217	2,250	2,290	2,334
Consumer durable goods	1,206	1,620	1,713	1,818	1,928	2,034	2,111	2,190	2,270	2,375	2,511	2,659	2,821
Motor vehicles	463	639	681	727	777	820	844	873	909	962	1,033	1,108	1,182
Furniture, household equipment	545	701	732	767	804	844	879	911	940	975	1,020	1,074	1,138
Other	198	280	300	322	347	370	389	406	422	437	457	477	500
Net stock, total	**6,566**	**7,743**	**7,933**	**8,177**	**8,467**	**8,762**	**8,972**	**9,165**	**9,299**	**9,469**	**9,750**	**10,070**	**10,402**
Private	4,313	5,130	5,251	5,421	5,622	5,841	6,005	6,156	6,244	6,349	6,535	6,734	6,925
Government	1,594	1,753	1,777	1,796	1,826	1,852	1,878	1,898	1,925	1,949	1,974	2,009	2,051
Consumer durable goods	659	860	905	960	1,019	1,069	1,090	1,111	1,129	1,170	1,242	1,327	1,426

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1986 and August 1987, and *Fixed Reproducible Tangible Wealth in the United States, 1925–85*.

No. 723. Top Wealthholders With Gross Assets of $300,000 or More, by Size of Net Worth and Sex: 1982

[All figures are estimates based on estate tax return samples. Net worth equals assets minus debits and mortgages. Minus sign (−) indicates negative net worth]

Item	Unit	Total	Net worth					
			Under $100,000 [1]	$100,000 to $250,000	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $4,999,999	$5,000,000 or more
Top wealthholders, number	1,000	4,377.9	378.9	724.8	1,998.6	868.0	375.7	32.0
Total assets	Mil. dol	2,897,185	97,456	207,432	616,445	651,494	780,014	342,343
Net worth	Mil. dol	2,423,111	−6,709	130,064	716,596	561,876	681,159	320,124
Top male wealthholders, number	1,000	2,658.7	318.6	595.2	1,013.3	482.4	231.5	17.5
Total assets	Mil. dol	1,746,052	86,356	162,995	424,345	372,456	504,472	193,426
Net worth	Mil. dol	1,361,425	−5,352	105,476	355,407	326,720	421,983	177,189
Top female wealthholders, number	1,000	1,719.2	60.1	129.6	985.3	385.6	144.2	14.4
Total assets	Mil. dol	1,151,133	9,100	44,438	394,100	279,038	275,542	148,915
Net worth	Mil. dol	1,041,686	−1,357	24,587	361,189	255,155	259,176	142,935

[1] Includes those wealthholders with negative net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1984–85.

Digitized by Google

NO. 724. TOP WEALTHHOLDERS WITH GROSS ASSETS OF $300,000 OR MORE, BY STATE OF RESIDENCE: 1982

[All figures are estimates based on estate tax return samples. Net worth equals assets minus debts and mortgages. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Number of top wealthholders (1,000)	Total assets (bil. dol.)	Net worth (bil. dol.)	MILLIONAIRES AS DEFINED BY NET WORTH	
				Number (1,000)	Amount (bil. dol.)
Total	**4,377.9**	**2,897.2**	**2,423.1**	**407.7**	**1,001.3**
Regions:					
Northeast	805.3	526.3	468.6	86.3	210.5
Midwest	1,137.0	686.5	549.6	83.3	178.9
South	1,413.4	937.6	793.0	135.0	351.5
West	1,012.7	740.3	605.6	101.5	257.7
N.E.	**196.3**	**135.1**	**118.0**	**21.4**	**52.0**
ME	10.8	8.6	4.6	.8	1.6
NH	14.5	6.5	7.9	2.1	3.1
VT	7.5	4.9	4.0	.7	1.6
MA	78.9	49.6	43.5	7.6	18.3
RI	7.6	4.3	3.5	.8	1.4
CT	75.6	59.0	54.5	9.4	25.6
M.A.	**610.0**	**391.2**	**350.6**	**64.9**	**158.5**
NY	306.0	209.5	189.3	30.9	98.1
NJ	84.6	79.6	73.9	8.3	22.7
PA	159.2	101.9	86.0	25.7	37.6
E.N.C.	**664.0**	**372.3**	**311.8**	**43.2**	**96.4**
OH	158.5	86.1	75.6	12.6	25.6
IN	60.6	32.5	28.1	4.5	9.2
IL	241.0	147.0	116.4	14.5	34.4
MI	118.1	64.2	58.7	7.3	17.2
WI	85.6	42.5	35.0	4.3	10.0
W.N.C.	**473.0**	**314.2**	**237.8**	**40.1**	**82.5**
MN	91.0	102.4	62.4	17.6	37.7
IA	115.5	56.9	44.6	3.3	4.9
MO	72.7	48.6	41.0	7.7	15.6
ND	51.1	23.7	20.2	3.6	4.5
SD	15.4	6.5	6.6	1.2	2.1
NE	66.5	36.5	29.6	3.3	7.3
KS	60.6	37.7	33.2	3.2	10.4
S.A.	**678.2**	**485.6**	**396.1**	**67.3**	**169.1**
DE	8.0	5.0	4.0	.7	1.5
MD [1]	98.0	67.9	60.2	8.9	33.3
VA	99.2	43.8	38.5	4.9	14.8
WV	8.4	7.7	4.7	.6	1.5
NC	70.1	36.4	29.6	3.6	6.0
SC	42.1	18.9	16.3	2.2	4.0
GA	72.9	46.8	37.4	5.8	14.4
FL	279.5	239.2	205.4	40.6	111.6
E.S.C.	**153.2**	**90.0**	**73.8**	**14.9**	**30.2**
KY	42.2	23.6	18.5	3.5	7.4
TN	47.9	28.6	23.1	5.3	10.0
AL	33.9	21.3	19.0	4.1	8.9
MI	29.2	16.1	13.2	2.0	3.6
W.S.C.	**582.0**	**382.0**	**323.1**	**52.8**	**132.2**
AR	36.2	20.6	15.6	2.6	5.1
LA	59.9	40.2	32.8	6.2	15.4
OK	68.4	40.2	31.9	4.5	10.5
TX	417.5	281.0	242.6	39.5	101.2
MT	**251.5**	**172.6**	**138.3**	**22.5**	**56.8**
MT	23.0	13.1	9.1	.9	2.1
ID	14.5	10.8	7.7	1.0	2.5
WY	13.3	10.1	8.4	1.3	2.6
CO	72.9	52.9	42.0	6.9	19.3
NM	13.6	9.1	7.0	1.1	2.6
AZ	86.0	42.5	35.7	5.5	12.9
UT	22.2	16.3	15.5	4.3	9.7
NV	26.0	15.6	12.6	1.5	3.6
PA.	**761.2**	**567.7**	**467.4**	**79.0**	**201.9**
WA	65.4	56.2	49.6	10.4	26.5
OR	48.5	27.2	23.3	2.1	4.1
CA	617.0	467.2	383.4	64.5	166.7
AK	16.1	8.2	6.6	1.2	2.9
HI	14.2	8.8	4.3	.8	1.7
Other areas [2]	9.6	6.5	6.2	1.5	2.7

[1] Includes District of Columbia. [2] U.S. citizens domiciled abroad.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1984–85.

NO. 725. TOP WEALTHHOLDERS WITH GROSS ASSETS GREATER THAN $500,000, BY SIZE OF NET WORTH AND TYPE OF ASSET: 1982

[All figures are estimates based on a sample of estate tax returns]

TYPE OF ASSET	NUMBER (1,000)					AMOUNT (bil. dol.)				
	Total	Net worth				Total	Net worth			
		Under $250,000 [1]	$250,000–$500,000	$500,000–$1,000,000	$1,000,000 or more		Under $250,000 [1]	$250,000–$500,000	$500,000–$1,000,000	$1,000,000 or more
Total	**1,965.1**	**254.9**	**434.5**	**868.0**	**407.7**	**2,140**	**122**	**244**	**651**	**1,122**
Real estate	1,740.3	237.3	371.8	771.7	359.4	675	63	105	242	265
Corporate stock	1,555.3	169.3	307.4	710.5	368.1	531	11	35	135	350
Noncorporate business assets	829.7	112.6	176.6	325.9	214.6	161	15	21	35	111
Cash	1,911.1	236.7	422.7	851.4	400.3	167	5	16	78	67
Bonds	755.2	43.7	96.7	396.5	216.3	126	1	4	36	86
State and local government	411.3	8.9	37.0	212.6	152.9	62	(Z)	1	14	46
Federal savings	204.5	19.2	30.7	108.4	46.2	6	(Z)	(Z)	3	3
Other Federal	219.9	11.6	27.1	112.7	68.3	46	(Z)	1	13	32
Corporate and foreign	328.2	13.1	40.5	191.5	83.1	14	(Z)	1	6	7
Notes and mortgages	922.8	60.6	198.3	430.0	233.9	97	6	10	30	51
Life insurance equity	1,450.1	245.9	370.2	564.0	270.0	26	5	7	7	7
Other assets	1,903.0	245.2	427.2	835.8	394.9	336	16	48	89	184
Debts and mortgages	**1,813.5**	**251.3**	**419.3**	**770.2**	**372.6**	**375**	**115**	**69**	**70**	**121**
Net worth	(x)	(x)	(x)	(x)	(x)	**1,765**	**8**	**175**	**582**	**1,001**

X Not applicable. Z Less than $500 million. [1] Includes those wealthholders with negative net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Winter 1984–85.

Digitized by Google

No. 726. Household Net Worth—Ownership, Median Equity Value of Asset Holdings, and Distribution of Net Worth, by Type of Asset: 1984

[Equity values of asset and liability balances held at the end of months August-November 1984. Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

TYPE OF ASSET	Percent of households owning asset type	Median value of holdings for asset owner	Percent distribution of net worth
Interest-earning assets at financial institutions	71.8	3,066	14.4
Savings accounts	62.9	(NA)	(NA)
Money market deposit accounts	15.7	(NA)	(NA)
Certificates of deposit	19.1	(NA)	(NA)
Interest-earning checking	24.9	(NA)	(NA)
Other interest-earning assets	8.5	9,471	3.1
Money market funds	3.8	(NA)	(NA)
Government securities	1.4	(NA)	(NA)
Corporate or municipal bonds	2.6	(NA)	(NA)
Other interest-earning assets	2.8	(NA)	(NA)
Checking accounts [1]	53.9	449	.6
Stocks and mutual funds	20.0	3,892	6.8
Own home	64.3	40,597	41.3
Rental property	9.8	34,556	9.0
Other real estate	10.0	14,791	4.4
Vehicles	85.8	4,104	6.0
Business or profession	12.9	6,298	10.3
U.S. savings bonds	15.0	300	.5
IRA or KEOGH accounts	19.5	4,805	2.2
Other financial instruments [2]	6.9	12,789	4.9

NA Not available. [1] Regular non-interest-earning checking accounts. [2] Includes mortgages held from sale of real estate amount due from sale of a business, unit trusts, and other financial investments.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

No. 727. Household Net Worth—Percent Distribution by Selected Characteristics: 1984

[See headnote, table 726. Based on the Survey of Income and Program Participation; see text, section 14]

CHARACTERISTIC	Number of households (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY NET WORTH								Median (dol.)
		Zero or negative	$1 to $4,999	$5,000 to $9,999	$10,000 to $24,999	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 and over	
Total	**86,790**	**11.0**	**15.3**	**6.4**	**12.4**	**14.5**	**19.3**	**15.3**	**5.8**	**32,667**
Age of householder:										
Under 35 years old	25,730	19.1	28.9	11.0	17.2	11.9	6.2	2.9	.9	5,764
35–44 years old	17,393	9.7	12.5	6.1	13.4	16.3	21.4	13.7	4.7	35,561
45–54 years old	12,596	6.2	6.5	4.1	10.6	14.1	24.9	21.0	6.7	56,791
55–64 years old	12,920	5.3	7.7	3.3	7.6	13.3	25.3	25.7	11.6	73,664
65 years old and over	16,151	6.7	6.7	4.0	9.1	15.5	24.7	23.1	8.2	60,266
Race of householder:										
White	75,343	8.4	14.0	6.3	12.2	15.0	20.7	16.9	6.5	39,135
Black	9,509	30.5	23.9	6.6	14.0	11.7	9.3	3.3	.6	3,397
Hispanic [1]	4,162	23.9	26.3	7.6	11.4	9.5	13.1	5.1	3.1	4,913
Region:										
Northeast	16,533	12.4	13.7	6.2	10.5	13.6	21.2	17.0	5.6	37,734
Midwest	22,141	9.7	14.4	5.7	12.4	16.7	21.0	14.5	5.7	35,707
South	29,430	10.6	16.2	7.1	14.5	15.5	17.6	13.4	4.9	27,296
West	16,686	11.9	16.7	6.4	10.6	10.7	17.4	17.9	8.5	33,525
Type of household:										
Married-couple	50,606	6.0	10.5	5.6	12.2	15.6	22.7	19.5	8.0	50,116
Male householder	12,588	15.5	25.1	9.7	13.3	11.6	13.0	6.0	4.0	9,883
Female householder	23,596	19.3	20.3	6.4	12.2	13.5	15.3	10.3	2.6	13,885
Education of householder:										
Less than 12 years	24,736	15.1	17.2	6.6	12.4	15.9	16.6	11.3	2.9	23,447
High school, 4 years	27,454	10.1	17.0	6.3	12.7	14.6	19.9	14.8	4.6	31,892
College: 1–3 years	17,171	10.2	16.7	7.2	13.0	13.8	19.3	14.4	5.5	29,121
4 years	17,430	7.4	6.5	5.6	11.3	12.6	19.1	22.7	12.6	60,417
Tenure:										
Owner-occupied	55,820	1.4	2.9	3.9	13.1	19.6	28.0	22.5	8.7	63,253
Renter-occupied	30,970	28.3	37.6	11.0	11.1	5.2	3.6	2.3	.9	1,921

[1] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

Digitized by Google

NO. 728. HOUSEHOLD NET WORTH—OWNERSHIP RATES AND MEDIAN VALUE OF HOLDINGS: 1984

[Balances of assets and liabilities held at the end of months August–November 1984. Data exclude group quarters. Based on the Survey of Income and Program Participation; see text, section 14. For definition of median, see Guide to Tabular Presentation]

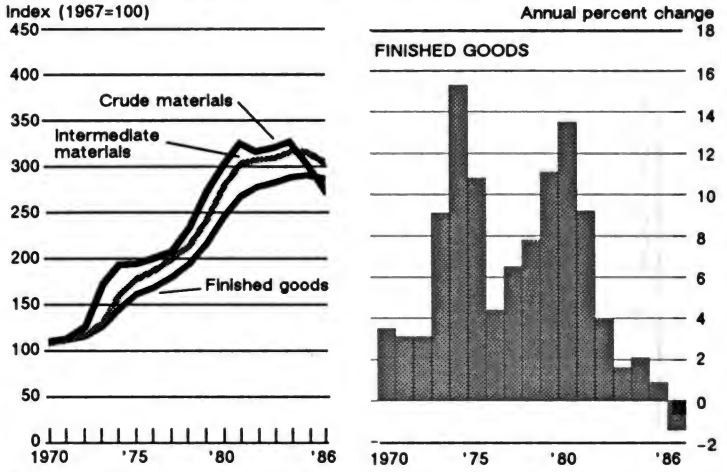
CHARACTERISTIC	Number of households (1,000)	PERCENT OWNING—											MEDIAN VALUE OF HOLDINGS FOR ASSET OWNER (dol.)						
		Interest-earning assets [1]	Other interest-earning assets [2]	Regular checking accounts [3]	Stocks and mutual fund shares	Own business or profession	Motor vehicles	Own home	Rental property	Other real estate	U.S. savings bonds	IRA or KEOGH accounts	Net worth	Interest-earning deposits [1]	Other interest-earning assets [2]	Regular checking accounts [3]	Stock and mutual fund shares	Equity in own home	IRA and KEOGH accounts
Total	**86,790**	**71.8**	**8.5**	**53.9**	**20.0**	**12.9**	**85.8**	**64.3**	**9.8**	**10.0**	**15.0**	**19.5**	**32,667**	**3,066**	**9,471**	**449**	**3,892**	**40,597**	**4,805**
Age of householder:																			
Less than 35 years old	25,730	64.5	4.8	50.6	13.1	10.3	87.5	40.3	3.8	5.2	13.0	10.3	5,764	901	2,316	327	1,218	17,586	2,464
35 to 44 years old	17,393	72.4	7.9	59.0	22.9	18.3	91.7	69.3	10.0	10.4	17.8	21.6	35,581	1,894	5,260	410	3,197	37,266	4,436
45 to 54 years old	12,596	72.9	9.1	60.0	23.1	19.7	91.6	77.7	14.3	15.4	17.5	31.4	56,791	3,387	7,766	538	4,048	48,172	5,351
55 to 64 years old	12,920	76.0	11.5	55.4	25.5	15.1	89.1	80.2	15.4	15.9	18.3	38.9	73,664	7,340	13,559	568	5,662	54,059	6,390
65 years old and over	18,151	77.5	11.6	48.5	21.1	5.1	71.4	73.0	10.6	6.4	11.3	8.5	60,266	13,255	18,144	651	6,882	46,192	6,369
Race of householder:																			
White	75,343	75.4	9.4	56.9	22.0	14.0	88.5	67.3	10.1	10.9	16.1	21.4	39,135	3,457	9,826	457	3,908	41,999	4,922
Black	9,509	43.8	2.1	32.0	5.4	4.0	65.0	43.8	6.6	3.3	7.4	5.1	3,397	739	(B)	316	2,777	24,077	2,450
Hispanic [4]	4,162	50.8	2.0	36.6	7.5	9.6	74.6	39.9	6.6	5.8	6.1	9.1	4,913	1,178	(B)	359	2,486	38,867	3,257
Region:																			
Northeast	16,533	77.4	8.7	50.7	22.2	10.7	78.5	61.0	9.1	7.3	19.9	23.8	37,734	3,923	9,101	424	3,872	49,213	4,914
Midwest	22,141	74.6	8.9	54.2	20.6	13.4	88.2	68.1	10.4	10.6	17.0	20.5	35,707	2,964	8,784	374	2,959	37,139	4,672
South	29,430	64.5	7.4	55.0	17.5	13.0	87.0	66.6	8.6	11.1	12.3	15.0	27,296	2,774	9,570	501	4,166	34,129	4,678
West	16,886	74.4	9.6	55.3	21.3	14.5	86.6	59.0	11.7	10.3	11.8	21.6	33,525	2,962	10,017	496	4,103	52,062	4,761
Type of household:																			
Married-couple households	50,606	78.2	9.6	59.5	24.4	17.6	95.9	77.2	11.8	13.3	18.9	25.1	50,116	3,336	9,150	477	3,488	42,634	5,499
Male householder	12,588	65.0	6.1	46.7	15.4	10.4	81.9	41.5	7.4	6.9	10.3	14.4	9,883	2,091	8,368	481	4,096	30,238	4,262
Female householder	23,596	61.5	6.2	45.9	13.1	4.0	66.1	48.6	6.6	4.6	9.2	10.3	13,885	2,941	10,083	358	4,277	38,009	3,976
Education of householder:																			
Less than 12 years	24,736	57.6	3.6	41.9	8.5	8.6	73.5	62.1	7.6	6.5	9.0	8.6	23,477	3,886	9,972	392	2,959	34,905	4,692
High school: 4 years	27,454	70.9	6.2	56.4	16.6	11.7	88.9	65.1	8.8	9.5	15.7	18.1	31,892	2,563	7,434	391	3,187	39,890	4,487
College: 1 to 3 years	17,171	77.3	8.7	60.1	23.4	14.2	91.3	61.1	9.0	10.6	16.4	20.6	29,121	2,049	8,077	433	3,416	41,114	4,442
4 or more years	17,430	87.7	18.7	60.9	38.4	19.7	92.9	69.4	15.1	15.0	21.2	36.2	60,417	4,296	9,890	677	4,848	51,186	5,520
Tenure:																			
Owner	55,820	80.2	10.8	59.8	26.0	16.0	92.7	100.0	13.6	13.0	18.4	25.7	63,253	4,333	10,051	506	4,116	40,597	5,265
Renter	30,970	56.5	4.3	43.3	9.2	7.3	73.3	(X)	2.6	4.6	9.0	8.5	1,921	1,182	5,056	342	2,745	(X)	3,205

B Base figure too small to meet statistical standards for reliability of derived figure. X Not applicable. [1] At financial institutions. Includes passbook savings accounts, money market deposit accounts, certificates of deposit, and interest-earning checking accounts. [2] Includes money market funds, U.S. Government securities, municipal and corporate bonds, and other interest-earning assets. [3] Excludes interest-earning checking. [4] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P–70, No. 7.

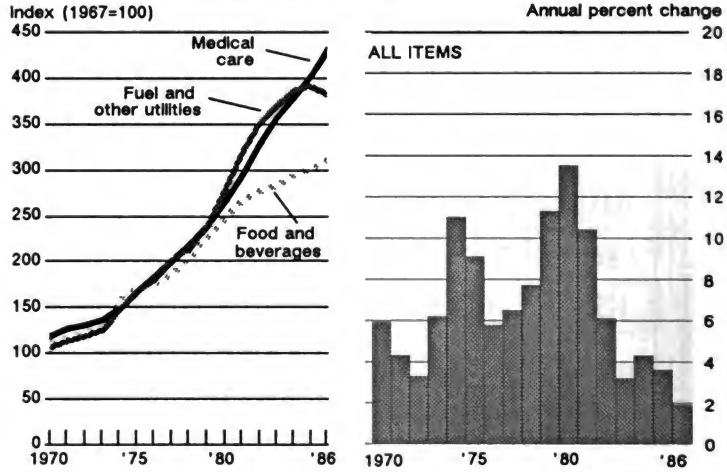
Digitized by Google

Figure 15.1
Producer Price Indexes by Stage of Processing: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 730 and 734.

Figure 15.2
Consumer Price Indexes: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 730 and 740.

Digitized by Google



Section **15**

Prices

This section presents indexes of producer and consumer prices, actual prices for selected commodities and energy prices. The primary sources of these data are monthly publications of the Department of Labor, Bureau of Labor Statistics (BLS), which include: *Monthly Labor Review; Consumer Price Index, Detailed Report; Consumer Prices: Energy* and *Food;* and *Producer Price Indexes.* The Bureau of Economic Analysis of the Department of Commerce is the source for the gross national product implicit price deflators; see table 732. The Department of Agriculture's Economic Research Service (ERS) produces indexes of prices received and prices paid by farmers; see section 23.

The Bureau of Labor Statistics (BLS) prepares monthly indexes of producer prices for a large selection of commodities, and monthly indexes of consumer prices for both commodities and services.

Producer price index.—This index, dating from 1890, is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices received by producers of all commodities, at all stages of processing, produced in the U.S.

The index has undergone several revisions (see *Monthly Labor Review,* February 1962 and April 1978). It is now based on approximately 3,400 commodity price series instead of the approximately 3,200 included in the 1947-1960 period and the 900 included for the period prior to 1947. Indexes for the net output of mining and manufacturing industries have been added in recent years. Prices used in constructing the index are collected from sellers, and generally apply to the first significant large- volume commercial transaction for each commodity—i.e., the manufacturer's or other producer's selling price or the selling price on an organized exchange or at a central market.

The weights used in the index represent the total net selling value of commodities produced or processed in this country. Values are f.o.b. production point and are exclusive of excise taxes. Beginning in January 1987, the weights are values of net shipments of commodities as derived from the industrial censuses of 1982 and other data. For January 1976-December 1986, weights were based on 1972 shipment values.

Consumer price indexes (CPI).—The CPI is a measure of the average change in prices over time in a fixed "market basket" of goods and services purchased either by urban wage earners and clerical workers or by all urban consumers.

In 1919, BLS began to publish complete indexes at semiannual intervals, using a weighting structure based on data collected in the expenditure survey of wage-earner and clerical-worker families in 1917-19 (BLS Bulletin 357, 1924). The first major revision of the CPI occurred in 1940, with subsequent revisions in 1953, 1964, 1978, and 1987.

The current revision, initially issued with release of the January 1987 data, is based on updated "market baskets" of goods and services and revised expenditure weights derived from a 1982-1984 Consumer Expenditure Survey.

Effective with the January 1978 index, BLS began publishing CPI's for two population groups: (1) a new CPI for All Urban Consumers (CPI-U); and (2) a revised CPI for Urban Wage Earners and Clerical Workers (CPI-W) which represents about half the population covered by CPI-U. The CPI-U includes in addition to wage earners and clerical workers, groups which historically have been excluded from CPI coverage, such as professional, managerial, and technical workers, the self- employed, short-term workers, the unemployed, and retirees and others not in the labor force. Separate, although overlapping samples were used for the two indexes from January 1978 to January 1982. Thereafter, the same samples were used for both indexes.

In January 1983, the method of measuring homeownership costs in the CPI-U was changed to a rental equivalence approach. This treatment calculates homeowner costs of the shelter based on the implicit rent owners would pay to rent the homes they own. The rental equivalence approach was introduced into the CPI-W in January 1985.

Digitized by Google

Beginning with release of the CPI for January 1987, revised versions of the CPI-U and CPI-W were introduced. The current CPI is based on prices of food, clothing, shelter, fuels, transportation fares, charges for doctors' and dentists' services, drugs, etc. purchased for day-to-day living. Prices are collected in 91 areas across the country from over 60,000 housing units and 21,000 establishments. Area selection was based on the 1980 census. All taxes directly associated with the purchase and use of items are included in the index. Prices of food, fuels, and a few other items are obtained every month in all 91 locations. Prices of most other commodities and services are collected monthly in the five largest geographic areas and every other month in other areas.

In calculating the index, each item is assigned a weight to account for its relative importance in consumers' budgets. Price changes for the various items in each location are then averaged. Local data are then combined to obtain a U.S. city average. Separate indexes are also published for regions, area size- classes, cross-classification of region and size-classes, and for 27 local areas, usually consisting of the Metropolitan Statistical Area (MSA); see Appendix II. Area definitions are those established by the Office of Management and Budget in 1983. Definitions do not include revisions made since 1983. Area indexes do not measure differences in the level of prices among cities, they only measure the average change in prices for each area since the base period. For further detail regarding the CPI, see the BLS *Handbook of Methods*, vol. II, the Consumer Price Index, and Report 736, the CPI: 1987 Revision.

Other price indexes.—The fixed-weighted price index is a weighted average of the detailed price indexes used in the deflation of goods and services that make up the GNP. These price indexes are combined using weights that reflect the composition of GNP in 1982. Because the same weights are used for each period, changes in this index measure changes in prices over any period. The chain price index is an alternative measure of price change. It is a weighted average of the same detailed price indexes, but they are combined using weights that reflect the composition of GNP in the first of two consecutive periods. Thus, changes in this index measure changes in prices only between the consecutive periods.

The implicit price deflator is a by-product of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is a weighted average of the detailed price indexes used in the deflation of GNP, but they are combined using weights that reflect the composition of GNP in each period. Thus, changes in the implicit price deflator reflect not only changes in prices but also changes in the composition of GNP.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to the producer price index and the CPI, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

No. 729. Purchasing Power of the Dollar: 1940 to 1986

[**1967 = $1.00.** Producer prices prior to 1961, and consumer prices prior to 1964, exclude Alaska and Hawaii. For 1940 and 1945 producer prices based on all commodities index; subsequent years based on finished goods index. Obtained by dividing the average price index for the 1967 base period (100.0) by the price index for a given period and expressing the result in dollars and cents. Annual figures are based on average of monthly data]

YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—		YEAR	ANNUAL AVERAGE AS MEASURED BY—	
	Producer prices	Consumer prices		Producer prices	Consumer prices		Producer prices	Consumer prices
1940	$2.469	$2.361	1960	$1.067	$1.127	1974	$.678	$.677
1945	1.832	1.855	1961	1.067	1.116	1975	.612	.620
1948	1.252	1.387	1962	1.064	1.104	1976	.586	.587
1949	1.289	1.401	1963	1.067	1.091	1977	.550	.551
1950	1.266	1.387	1964	1.063	1.076	1978	.510	.512
1951	1.156	1.285	1965	1.045	1.058	1979	.459	.460
1952	1.163	1.258	1966	1.012	1.029	1980	.405	.405
1953	1.175	1.248	1967	1.000	1.000	1981	.371	.367
1954	1.172	1.142	1968	.972	.960	1982	.356	.346
1955	1.170	1.247	1969	.938	.911	1983	.351	.335
1956	1.138	1.229	1970	.907	.860	1984	.343	.321
1957	1.098	1.186	1971	.880	.824	1985	.340	.310
1958	1.073	1.155	1972	.853	.799	1986	.345	.304
1959	1.075	1.145	1973	.782	.751			

Source: U.S. Bureau of Labor Statistics. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business*

Digitized by Google

NO. 730. ANNUAL PERCENT CHANGE IN SELECTED PRICE INDEXES: 1960 TO 1986

[Yearly averages. Minus sign (–) indicates decrease. GNP = Gross national product; see text, section 15]

YEAR OR PERIOD	CONSUMER PRICES						PRODUCER PRICES					GNP DEFLATOR [2]			
	All items	Food	Fuel oil and coal [1]	Gas (piped) and electricity	Rent	Services	Finished goods		Intermediate goods	Crude goods		Total	Domestic business	Nonfarm business	PCE [3] deflator
							Total	Consumer goods		Total	Fuel				
1960 [4]	1.6	1.0	– .7	4.1	1.4	3.3	.8	1.0	–	– 2.4	1.0	1.6	1.2	1.2	1.9
1961	1.0	1.3	2.0	.8	1.3	2.0	–	– .2	– .6	– .5	– .2	1.0	.9	.6	1.2
1962	1.1	.9	.5	–	1.2	1.9	.3	.3	– .1	1.0	– .5	2.2	1.8	2.1	1.8
1963	1.2	1.4	1.9	–	1.1	2.0	– .3	– .5	.3	– 2.2	1.2	1.6	.9	.9	1.5
1964	1.3	1.3	– .5	–	.9	1.9	.4	.2	.3	– .9	– .4	1.5	1.2	1.2	1.7
1965	1.7	2.2	2.0	–	1.0	2.2	1.7	1.9	1.4	5.1	.8	2.7	2.3	2.0	1.7
1966	2.9	5.0	2.5	.2	1.3	3.9	3.2	3.4	2.5	6.4	3.0	3.6	3.1	2.8	3.1
1967	2.9	.9	3.1	.4	1.8	4.4	1.2	.6	.8	– 5.4	3.8	2.6	2.5	3.0	2.5
1968	4.2	3.6	3.1	.9	2.4	5.2	2.8	2.7	2.3	1.6	2.3	5.0	4.6	4.3	4.5
1969	5.4	5.1	2.4	1.9	3.2	6.9	3.7	3.8	3.4	6.7	4.2	5.6	4.9	4.9	4.3
1970	5.9	5.5	4.3	4.4	4.2	8.1	3.5	3.1	3.9	3.6	15.0	5.5	4.7	4.9	4.6
1971	4.3	3.0	6.7	6.9	4.6	5.6	3.1	2.7	3.8	2.5	13.4	5.7	4.9	4.9	4.7
1972	3.3	4.3	.9	5.1	3.5	3.8	3.1	3.3	4.0	10.9	7.0	4.7	4.0	3.8	4.0
1973	6.2	14.5	14.8	4.9	4.3	4.4	9.1	10.8	10.9	36.4	10.6	6.5	6.4	4.7	6.2
1974	11.0	14.4	57.8	15.3	5.1	9.3	15.3	15.6	23.8	12.7	33.4	9.1	9.3	9.7	10.5
1975	9.1	8.5	9.6	16.3	5.1	9.5	10.8	9.6	10.5	.4	23.7	9.8	10.0	10.7	8.0
1976	5.8	3.1	6.6	11.4	5.4	8.3	4.4	3.7	5.1	2.9	12.4	6.4	6.0	6.3	5.7
1977	6.5	6.3	13.0	12.9	6.1	7.7	6.5	6.5	8.6	3.2	21.9	6.7	6.6	6.7	6.5
1978	7.7	10.0	5.3	9.0	6.8	8.5	7.8	7.9	7.0	12.0	14.7	7.3	7.3	7.0	7.3
1979	11.3	10.9	35.1	10.8	7.3	11.0	11.1	11.8	12.8	17.0	18.9	8.9	9.0	8.8	9.2
1980	13.5	8.6	37.9	17.1	8.9	15.4	13.5	14.2	15.3	11.0	21.2	9.0	9.1	9.7	10.7
1981	10.4	7.9	21.6	14.6	8.7	13.1	9.2	9.0	9.2	8.0	22.1	9.7	9.7	9.8	9.2
1982	6.1	4.0	– 1.2	13.8	7.6	9.0	4.0	3.6	1.4	– 2.9	18.0	6.4	6.0	6.4	5.7
1983	3.2	2.1	– 6.0	8.9	5.8	3.5	1.6	1.3	.6	1.3	5.1	3.9	3.5	3.6	4.1
1984	4.3	3.8	2.2	3.8	5.2	5.2	2.1	2.0	2.5	2.2	–	3.7	3.5	3.2	3.8
1985	3.6	2.3	– 3.5	1.7	6.1	5.1	.9	.5	– .4	– 7.5	– 2.3	3.2	2.9	3.5	3.4
1986	1.9	3.2	– 19.0	– 1.3	5.8	5.0	– 1.4	– 2.4	– 3.5	– 8.5	– 10.1	2.6	2.3	2.5	2.2
1960–65 [5]	1.3	1.4	1.2	.2	1.1	2.0	.4	.3	.3	.5	.2	1.8	1.4	1.4	1.6
1965–70 [5]	4.2	4.0	3.1	1.5	2.6	5.7	2.9	2.7	2.6	2.5	5.6	4.4	3.9	4.0	3.8
1970–75 [5]	6.8	8.8	16.4	9.6	4.5	6.5	8.2	8.3	10.4	11.9	17.2	7.1	6.9	6.7	6.7
1975–80 [5]	8.9	7.7	18.8	12.2	6.9	10.2	8.6	8.8	9.3	9.1	17.8	7.6	7.7	7.7	7.9
1980–85 [5]	5.5	4.0	2.2	8.4	6.7	7.1	3.5	3.2	2.6	.1	8.1	5.4	5.1	5.3	5.2

– Represents zero. [1] Includes bottled gas. [2] Source: U.S. Bureau of Economic Analyses, *The National Income and Product Accounts of the United States, 1929–82* and *Survey of Current Business*, July 1987, Index 1982 = 100.
[3] PCE = Personal consumption expenditures. See table 732. [4] Base year for percent change is 1959. [5] Average annual percent change. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

NO. 731. INDEXES OF SPOT PRIMARY MARKET PRICES: 1970 TO 1987

[1967 = 100. Index computed weekly through 1981; daily, beginning May 27, 1981. Represents unweighted geometric average of price quotations of 22 commodities. This index is much more sensitive to changes in market conditions than is a monthly producer price index]

ITEM AND NUMBER OF COMMODITIES	1970 (6–16)	1975 (6–24)	1978 (6–27)	1979 (6–26)	1980 (6–24)	1981 (5–26)	1982 (5–25)	1983 (5–23)	1984 (5–22)	1985 (5–21)	1986 (5–20)	1987 (5–29)
All commodities (22)	**113.6**	**189.9**	**230.0**	**281.3**	**265.1**	**267.9**	**247.6**	**249.8**	**293.9**	**251.4**	**218.0**	**249.2**
Foodstuffs (9)	112.2	215.3	238.1	265.1	260.9	244.2	252.8	246.1	299.9	248.1	205.5	214.9
Raw industrials (13)	114.4	174.1	224.4	293.0	268.0	285.4	243.9	252.3	289.7	253.6	226.9	275.9
Livestock and products (5)	123.6	240.8	276.0	336.3	250.5	265.2	312.1	278.1	364.5	284.5	231.2	301.3
Metals (5)	125.2	166.8	220.6	332.8	257.9	267.3	218.2	225.9	253.4	220.2	191.2	238.3
Textiles and fibers (4)	99.9	158.8	173.6	192.2	234.7	243.0	206.6	208.0	246.1	220.8	216.9	247.3
Fats and oils (4)	128.6	213.6	253.5	289.4	229.5	238.7	255.7	225.9	363.5	273.1	168.5	198.9

Source: 1970–1981, U.S. Bureau of Labor Statistics, *Tuesday Spot Market Price Indexes and Prices*, weekly and monthly, thereafter, Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY, *CRB Commodity Index Report*, weekly (copyright).

Digitized by Google

No. 732. Gross National Product Implicit Price Deflators: 1970 to 1986

[1982 = 100, except as indicated. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

Year or period	Gross national product	Personal consumption expenditures	Fixed investment [1]			Exports	Imports	Govt. purchases of goods and services	Final sales
			Total	Residential	Nonresidential				
1970	42.0	42.9	39.0	37.0	39.9	38.7	29.0	38.1	42.0
1971	44.4	44.9	41.2	39.0	42.4	40.4	30.2	41.0	44.4
1972	46.5	46.7	43.2	41.2	44.4	41.7	32.0	43.8	46.5
1973	49.5	49.8	45.8	44.8	46.0	47.1	35.5	47.1	49.5
1974	54.0	54.8	50.3	49.8	50.5	56.3	50.4	52.2	54.1
1975	59.3	59.2	58.9	54.2	57.9	62.1	54.1	57.7	59.2
1976	63.1	62.6	60.7	58.0	61.9	64.8	55.7	61.5	63.0
1977	67.3	66.7	65.6	64.8	66.1	68.0	59.6	65.8	67.2
1978	72.2	71.6	71.9	72.8	71.5	72.8	65.8	70.4	72.1
1979	78.6	78.2	78.9	81.4	77.8	81.6	77.1	76.8	78.5
1980	85.7	86.6	86.3	89.4	85.1	90.2	96.0	85.5	85.8
1981	94.0	94.6	94.2	96.6	93.4	97.5	101.6	93.4	93.9
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	103.9	104.1	99.6	102.2	98.8	101.3	97.4	104.0	103.9
1984	107.7	108.1	100.2	106.0	97.9	103.2	97.1	108.6	107.7
1985	111.2	111.8	100.5	108.2	97.5	101.3	94.6	112.6	111.1
1986	114.1	114.3	102.3	111.1	98.5	99.7	92.1	115.3	114.1
	AVERAGE ANNUAL PERCENT CHANGE								
1970–1975	7.1	6.7	7.9	7.9	7.7	9.9	13.3	8.7	7.1
1975–1980	7.8	7.9	8.7	10.5	8.0	7.8	12.2	8.2	7.7
1980–1985	5.4	5.2	3.1	3.9	2.8	2.4	−.3	5.7	5.3
1976	6.4	5.7	6.7	7.0	6.9	4.3	3.0	6.6	6.4
1977	6.7	6.5	8.1	11.4	6.8	4.9	7.4	7.0	6.7
1978	7.3	7.3	9.6	12.4	8.2	7.1	10.0	7.0	7.3
1979	8.9	9.2	9.7	12.1	8.8	12.1	17.2	9.1	8.9
1980	9.0	10.7	9.4	9.8	9.4	10.5	24.5	11.3	9.3
1981	9.7	9.2	9.2	8.1	9.8	8.1	5.8	9.2	9.4
1982	6.4	5.7	6.2	3.5	7.1	2.6	−1.6	7.1	6.5
1983	3.9	4.1	−.2	2.2	−1.2	1.3	−2.8	4.0	3.9
1984	3.7	3.6	.4	3.7	−.9	1.9	−.3	4.4	3.7
1985	3.2	3.4	.3	2.1	−.4	−1.8	−2.4	3.7	3.2
1986	2.6	2.2	1.8	2.7	1.0	−1.6	−2.8	2.4	2.7

[1] Gross private domestic fixed investment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987.

No. 733. Fixed-Weighted Price Indexes: 1970 to 1986

[1982 = 100]

Item	1970	1975	1979	1980	1981	1983	1984	1985	1986
Gross national product	**47.2**	**61.8**	**78.8**	**86.1**	**94.1**	**104.1**	**108.3**	**112.1**	**115.1**
Personal consumption expenditures	44.7	60.1	78.6	86.8	94.6	104.2	108.4	112.3	115.2
Durable goods	55.0	66.7	82.5	89.6	95.8	102.3	104.1	105.0	106.2
Nondurable goods	45.2	63.2	80.8	89.6	97.0	102.1	105.2	107.8	107.7
Services	41.9	56.2	76.0	84.0	92.6	106.3	111.8	117.5	123.1
Gross private domestic investment:									
Fixed investment	61.5	69.0	80.3	86.9	94.5	100.4	101.5	103.2	104.9
Nonresidential	66.4	73.1	80.1	86.1	93.9	99.9	100.2	101.8	103.2
Structures	32.8	52.5	75.0	83.1	93.2	97.3	98.1	100.3	100.7
Producers durable equipment	91.3	86.3	83.4	88.1	94.4	101.5	101.8	103.1	104.7
Residential	37.4	54.6	81.2	89.4	96.6	102.2	106.0	108.2	110.9
Exports	43.3	65.4	82.9	90.5	97.7	101.6	104.3	103.7	103.6
Imports	33.4	59.7	80.9	96.3	101.5	97.7	97.5	95.7	92.6
Government purchases of goods and services	39.6	58.6	77.3	86.3	94.1	104.5	109.2	113.7	116.5
Federal	39.5	59.4	76.8	86.4	94.9	104.1	108.0	110.6	111.3
National defense	(NA)	56.5	75.1	84.7	93.8	103.7	107.6	111.1	112.1
Nondefense	(NA)	66.6	81.0	90.6	97.4	105.1	108.9	110.0	109.3
State and local	39.6	57.9	77.7	86.2	93.5	104.8	110.1	115.6	120.3
Addenda:									
Final sales	47.2	61.6	78.6	86.1	94.1	104.1	108.2	112.0	115.0
Personal consumption expenditures, food	43.0	63.6	82.1	88.7	96.0	102.0	106.3	108.6	112.2
Personal consumption expenditures, energy	27.0	44.0	66.6	86.4	98.1	101.0	102.3	103.3	90.8
Other personal consumption expenditures	47.4	61.2	79.1	86.4	93.9	105.3	109.7	114.5	119.1

NA Not available.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–1982*, and *Survey of Current Business*, July 1987.

Digitized by Google

No. 734. Producer Price Indexes, by Stage of Processing: 1970 to 1986

[1967 = 100. Minus sign (−) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series E 73–86]

STAGE OF PROCESSING AND COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Crude materials for further processing	**112.3**	**196.9**	**209.2**	**234.4**	**274.3**	**304.8**	**329.0**	**319.5**	**323.6**	**330.8**	**306.1**	**280.0**
Foodstuffs and feedstuffs	112.0	191.8	192.1	216.2	247.9	259.2	257.4	247.8	252.2	259.5	235.0	230.6
Nonfoods, exc. fuel	109.8	188.3	212.2	233.1	284.5	346.1	413.7	376.8	372.2	380.5	355.3	286.4
For manufacturing	109.6	192.4	216.8	238.2	292.7	357.4	429.4	387.2	381.9	390.1	360.5	281.0
For construction	113.9	151.1	170.6	185.7	207.0	237.6	261.6	270.3	270.6	278.7	285.8	287.8
Fuel	122.6	271.5	372.1	426.8	507.6	815.0	751.2	686.1	931.5	931.3	909.6	617.3
Manufacturing industries	116.9	252.1	384.6	446.2	549.6	690.5	864.9	1,034.6	1,094.5	1,092.2	1,063.2	942.6
Nonmanufacturing industries	130.2	297.2	370.9	421.1	485.0	567.0	674.0	782.2	816.3	818.1	802.1	731.8
Intermediate materials, supplies, components	**109.9**	**180.0**	**201.5**	**215.6**	**243.2**	**280.3**	**306.0**	**310.4**	**312.3**	**320.0**	**318.7**	**307.6**
Materials and components for manufacturing	110.0	178.7	195.4	208.7	234.4	265.7	286.1	289.6	293.4	301.8	299.5	296.1
Materials for—												
Food manufacturing	112.9	209.4	183.4	206.5	229.4	264.4	280.4	255.1	258.4	271.1	258.6	250.9
Nondurable manufacturing	103.6	174.7	190.0	196.7	222.8	259.5	285.8	284.4	280.0	290.5	285.9	279.2
Durable manufacturing	114.7	186.4	217.6	236.2	270.6	301.0	312.1	310.1	319.4	325.1	320.2	313.8
Components for manufacturing	111.1	158.3	176.8	189.6	207.5	231.8	259.3	273.9	280.4	287.5	291.5	294.4
Materials and components for construction	112.6	176.4	203.4	224.7	247.4	268.3	287.6	293.7	301.8	310.3	315.2	317.5
Processed fuels, lubricants	105.0	233.0	282.5	295.3	364.8	503.0	595.4	591.7	564.8	566.2	548.9	430.3
Containers	111.4	171.4	188.3	202.8	226.6	254.5	276.1	285.6	286.6	302.3	311.2	315.1
Supplies	108.0	168.1	188.7	198.5	218.2	244.5	263.8	272.1	277.1	283.4	284.2	287.3
For manufacturing industries	110.0	157.9	177.0	189.3	207.5	231.9	253.1	265.6	269.9	279.0	285.2	287.8
For nonmanuf. industries	107.2	173.4	194.8	203.3	223.8	251.1	269.6	275.7	281.1	285.9	284.0	287.3
Finished goods	**110.3**	**163.4**	**181.7**	**195.9**	**217.7**	**247.0**	**269.8**	**280.7**	**295.2**	**291.1**	**293.7**	**289.6**
Consumer goods	109.9	163.6	180.7	194.9	217.9	248.9	271.3	281.0	284.6	290.3	291.8	284.9
Foods	113.5	181.0	189.9	207.2	226.2	239.5	253.6	259.3	261.8	273.3	271.2	278.0
Crude foods	116.3	181.2	201.0	216.8	233.1	237.2	263.8	252.7	258.7	261.6	260.0	265.6
Processed foods	113.1	181.3	187.3	204.6	223.8	237.8	250.6	257.7	260.0	270.3	270.0	276.7
Other nondurable goods	108.3	163.0	189.3	200.0	231.3	263.9	319.6	333.6	335.3	337.3	339.3	311.1
Durable goods	106.9	136.2	152.8	166.9	183.2	206.2	218.6	226.7	233.1	235.8	241.5	246.9
Capital equipment	112.0	162.5	184.6	199.2	216.5	239.8	264.3	279.4	287.2	294.0	300.5	306.5
ANNUAL PERCENT CHANGE [1]												
Crude materials for further processing	**3.6**	**.4**	**3.2**	**12.0**	**17.0**	**11.0**	**8.0**	**−2.9**	**1.3**	**2.2**	**−7.5**	**−8.5**
Foodstuffs and feedstuffs	2.5	1.3	1.0	12.5	14.7	4.6	−.7	−3.7	1.8	2.9	−9.4	−1.9
Fuel	15.0	23.7	21.9	14.7	18.9	21.2	22.1	18.0	5.1	-	−2.3	−10.1
Intermediate materials, supplies, components	**3.9**	**10.5**	**6.6**	**7.0**	**12.8**	**15.3**	**9.2**	**1.4**	**.6**	**2.5**	**−.4**	**−3.5**
Materials and components for—												
Manufacturing	4.0	10.2	5.4	6.8	12.3	13.4	7.7	1.3	1.2	2.9	−.8	−1.1
Construction	1.8	9.2	6.0	10.5	10.1	8.4	7.2	2.1	2.8	2.6	1.6	.7
Processed fuels, lubricants	6.6	17.0	13.0	4.5	23.5	37.9	18.4	−.6	−4.5	.2	−3.1	−21.6
Finished goods	**3.5**	**10.5**	**6.5**	**7.8**	**11.1**	**13.5**	**9.2**	**4.0**	**1.6**	**2.1**	**.9**	**−1.4**
Consumer goods	3.1	9.6	6.5	7.9	11.8	14.2	9.0	3.6	1.3	2.0	.5	−2.4
Capital equipment	4.8	15.2	6.5	7.9	8.7	10.6	10.2	5.7	2.8	2.4	2.2	2.0

– Represents or rounds to zero. [1] For 1970, base year is 1969; thereafter change from immediate prior year.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 735. Producer Price Indexes—Major Commodity Groups: 1950 to 1986

[1967 = 100. Prior to 1961, excludes Alaska and Hawaii. See text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series E 23 and 24]

YEAR	All commodities	Farm products	Processed foods and feeds	INDUSTRIAL COMMODITIES	
				Total	Energy [1]
1950	81.8	106.7	83.4	78.0	87.1
1951	91.1	124.2	92.7	86.1	90.3
1952	88.6	117.2	91.6	84.1	90.1
1953	87.4	106.2	87.4	84.8	92.6
1954	87.6	104.7	88.9	85.0	91.3
1955	87.8	98.2	85.0	86.9	91.2
1956	90.7	98.9	84.9	90.8	94.0
1957	93.3	99.5	87.4	93.3	99.1
1958	94.6	103.9	91.8	93.6	95.3
1959	94.8	97.5	89.4	95.3	95.3
1960	94.9	97.2	89.5	95.3	96.1
1961	94.5	96.3	91.0	94.8	97.2
1962	94.8	98.0	91.9	94.8	96.7
1963	94.5	96.0	92.5	94.7	96.3
1964	94.7	94.8	92.3	95.2	93.7
1965	96.6	98.7	95.5	96.4	95.5
1966	99.8	105.9	101.2	98.5	97.8
1967	100.0	100.0	100.0	100.0	100.0
1968	102.5	102.5	102.2	102.5	98.9
1969	106.5	109.1	107.3	106.0	100.9
1970	110.4	111.0	112.1	111.0	106.2
1971	114.0	112.9	114.5	114.1	115.2
1972	119.1	125.0	120.8	117.9	118.6
1973	134.7	176.3	148.1	125.9	134.3
1974	160.1	187.7	170.9	153.8	208.3
1975	174.9	186.7	182.6	171.5	245.1
1976	183.0	191.0	178.0	182.4	265.6
1977	194.2	192.5	186.1	195.1	302.2
1978	209.3	212.5	202.8	209.4	322.5
1979	235.6	241.4	222.5	236.5	408.1
1980	268.8	249.4	241.2	274.8	574.0
1981	293.4	254.9	248.7	304.1	694.5
1982	299.3	242.4	251.5	312.3	693.2
1983	303.1	248.2	255.9	315.7	664.7
1984	310.3	255.8	265.0	322.6	656.8
1985	308.7	230.5	260.4	323.6	633.8
1986	299.8	224.7	265.1	312.1	483.5

[1] Fuels, related products, and power.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Digitized by Google

No. 736. Producer Price Indexes, for Selected Commodities: 1970 to 1986

[1967 = 100, except as noted. See text, section 15, and *Historical Statistics, Colonial Times to 1970*, series E 23–29]

COMMODITY GROUP	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
All commodities [1]	110.4	174.9	209.3	235.8	268.8	293.4	299.3	303.1	310.3	308.7	299.8
Farm products and processed foods and feeds	111.7	184.2	206.8	229.8	244.7	251.5	248.9	253.9	262.4	250.5	252.0
Farm products [1]	111.0	186.7	212.5	241.4	249.4	254.9	242.4	248.2	265.8	230.5	224.7
Fresh and dried fruits, vegetables	111.8	183.7	216.5	229.0	238.6	267.3	253.7	262.1	278.1	260.5	261.2
Grains	98.8	223.9	182.5	214.8	239.0	248.4	210.9	240.4	239.7	202.6	167.2
Livestock	116.7	187.9	220.1	260.3	252.7	248.0	257.8	243.1	251.8	229.9	236.1
Live poultry	99.5	189.8	199.8	194.3	202.1	201.2	191.9	206.5	240.6	226.2	224.8
Plant and animal fibers	90.2	153.1	193.4	209.9	271.1	242.0	202.9	227.0	228.4	197.6	179.3
Fluid milk	115.3	180.2	219.7	250.1	271.2	287.4	282.5	282.0	278.3	264.6	256.9
Eggs	126.8	159.8	158.6	176.5	171.0	187.1	178.7	(NA)	210.6	171.0	177.9
Hay, hayseeds, and oilseeds	99.4	200.2	215.8	244.3	247.1	274.1	212.8	246.8	256.3	206.0	197.9
Processed foods and feeds [1]	112.1	182.6	202.6	222.5	241.2	248.7	251.5	255.9	260.0	260.4	265.1
Cereal and bakery products	107.7	178.0	190.3	210.3	236.0	255.5	253.8	261.0	270.5	279.9	281.8
Meats, poultry, and fish	115.8	191.0	217.1	242.0	243.1	246.2	257.6	249.0	254.4	247.0	257.9
Dairy products	111.2	155.8	188.4	211.2	230.6	245.6	248.9	250.6	251.7	249.4	248.8
Processed fruits and vegetables	110.6	189.8	202.6	221.9	228.7	261.2	274.5	277.4	284.3	296.3	287.9
Sugar and confectionery	115.8	254.3	197.8	214.7	322.5	275.9	269.7	292.8	301.2	291.0	295.7
Beverages and beverage materials	113.0	162.4	200.0	210.7	233.0	248.0	256.9	263.6	273.1	276.6	294.3
Animal fats and oils	140.4	341.8	291.2	320.6	279.2	299.1	303.0	306.1	389.2	323.6	253.6
Crude vegetable oils	121.0	206.1	219.2	243.7	202.8	185.4	159.6	194.2	262.2	219.6	135.6
Shortening and cooking oils	111.9	211.5	209.4	223.5	233.2	238.0	234.4	254.7	311.8	290.6	242.4
Miscellaneous processed foods	113.1	178.4	199.0	218.5	227.2	250.1	248.6	254.8	278.0	283.6	288.6
Prepared animal feeds	103.7	172.1	197.4	219.4	228.8	230.2	211.3	228.8	220.5	190.3	200.0
Industrial commodities	110.0	171.5	209.4	236.5	274.8	304.1	312.3	315.7	322.6	323.8	312.1
Textile products and apparel [1]	107.1	137.9	159.8	168.7	183.5	199.7	204.6	208.1	210.0	210.4	211.1
Synthetic fibers [2]	(NA)	(NA)	109.6	119.0	134.7	156.3	162.1	156.7	159.8	154.9	149.9
Processed yarns, threads [2]			102.4	109.2	122.5	138.0	138.3	138.5	142.8	141.1	140.7
Gray fabrics [2]			118.6	127.1	138.1	146.8	145.3	147.0	153.7	151.7	150.7
Finished fabrics [2]			103.8	107.4	115.7	125.2	124.6	123.1	126.7	126.3	126.4
Apparel	110.8	133.4	152.4	160.4	172.4	186.0	194.4	197.4	201.3	204.1	206.5
Textile housefurnishings	103.5	151.9	178.6	190.4	206.9	226.7	238.5	235.1	238.9	240.0	240.4
Hides, skins, leather, related products [1]	110.3	148.5	200.0	252.4	348.9	260.9	262.6	271.1	286.3	288.1	298.7
Cattle hides	106.6	181.5	390.1	580.8	366.9	366.3	350.7	385.1	504.4	442.1	518.0
Leather	107.7	151.5	238.6	356.7	310.6	319.8	311.4	330.7	372.3	353.1	383.9
Footwear	113.3	147.6	183.0	218.0	233.1	240.9	245.0	250.1	251.7	256.7	261.8
Fuels, related products, power	106.2	245.1	322.5	408.1	574.0	694.5	693.2	664.7	656.8	633.6	483.5
Coal	150.3	365.8	430.0	450.9	467.3	497.2	534.7	537.4	546.5	546.7	538.6
Coke oven products	127.4	330.8	411.8	429.2	430.6	456.4	461.7	444.6	436.4	430.4	407.3
Gas fuels	103.6	216.7	426.7	544.1	760.7	939.4	1,060.6	1,146.9	1,109.0	1,047.0	882.1
Electric power	105.9	193.4	250.6	270.2	321.6	367.2	406.5	417.9	439.9	453.6	457.9
Crude petroleum, domestic	106.1	245.7	300.1	378.5	556.4	803.5	733.4	681.4	669.8	619.4	343.8
Petroleum products, refined	101.0	257.5	321.0	444.8	674.7	805.9	781.2	684.3	665.1	633.1	405.3
Chemicals and allied products [1]	102.2	191.3	198.8	222.3	260.3	287.6	292.3	293.0	300.8	303.2	298.7
Industrial chemicals	100.9	206.9	225.6	264.0	324.0	363.3	352.6	342.9	341.3	338.3	322.4
Prepared paint	112.4	166.9	192.3	204.4	235.3	249.8	262.8	264.7	272.5	276.8	281.2
Paint materials	101.4	177.2	210.7	241.2	273.9	300.1	304.8	305.6	329.7	333.7	318.0
Drugs and pharmaceuticals	101.2	126.6	146.1	159.4	174.5	193.5	210.1	228.1	240.0	256.3	272.9
Fats and oils, inedible	132.6	255.2	315.6	378.6	298.0	295.6	267.1	265.6	371.4	295.3	215.2
Agricultural chemicals and products	88.5	203.6	198.4	214.4	257.1	285.0	292.4	260.5	264.8	261.3	275.6
Plastic resins and materials	90.6	180.9	199.8	235.9	279.2	289.2	283.4	291.5	308.6	304.7	298.0
Rubber and plastic products [1]	108.3	150.2	174.8	194.3	217.4	232.6	241.4	243.2	246.8	245.9	246.1
Crude rubber	101.8	145.6	187.2	221.4	264.3	281.8	278.9	260.8	278.8	270.5	254.8
Tires and tubes	109.0	148.5	179.2	206.9	236.9	250.6	255.2	245.3	242.1	237.4	234.1
Miscellaneous rubber products	113.3	155.9	189.6	206.4	226.6	251.4	276.9	284.8	290.6	294.4	300.2
Plastic construction products [3]	97.2	123.9	136.4	147.5	154.2	154.8	148.5	163.6	171.5	161.2	158.9
Laminated plastic sheets [4]	(NA)	124.6	146.4	156.8	173.7	188.8	166.2	179.3	187.0	188.3	188.2
Lumber and wood products [1]	113.6	178.9	278.0	300.4	288.9	292.8	284.7	307.1	307.4	303.6	306.3
Lumber	113.7	192.5	322.4	354.3	325.8	325.1	310.8	352.6	349.8	340.5	343.4
Millwork	118.0	160.4	235.4	254.3	260.4	273.4	279.4	302.3	307.8	312.1	317.4
Plywood	106.4	161.2	235.6	250.5	246.5	245.7	232.1	244.1	241.6	231.3	235.3
Other wood products	117.3	161.9	211.8	235.4	249.2	239.1	236.2	230.6	234.5	236.5	238.2
Pulp, paper, and allied products [1]	108.2	170.4	195.6	219.0	249.2	273.8	288.7	298.1	318.5	327.2	336.3
Pulp, paper, and products, except building paper and board	108.5	171.9	195.6	220.2	250.6	270.6	273.2	271.4	293.3	292.0	294.0
Woodpulp	109.8	263.4	266.5	314.3	360.3	397.1	379.0	346.9	397.2	346.8	358.4
Wastepaper	125.0	110.2	191.2	206.8	208.7	175.7	121.1	(NA)	240.1	146.6	172.6
Paper	111.0	172.9	206.1	229.6	256.8	279.8	296.3	282.0	302.9	303.4	306.3
Paperboard	101.1	170.3	179.6	202.1	234.6	258.1	254.9	250.9	281.5	274.6	272.3
Converted paper and paperboard products	107.9	161.8	186.5	209.9	238.5	258.8	264.4	265.3	281.2	288.0	289.3
Building paper and board	101.0	127.1	187.4	182.4	206.2	231.7	239.5	250.0	259.0	257.2	260.7

See footnotes at end of table.

Digitized by Google

No. 736. Producer Price Indexes, for Selected Commodities: 1970 to 1986—Continued

[1967 = 100, except as noted. See headnote, p. 448]

COMMODITY GROUP	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Metals and metal products	116.8	185.8	227.1	259.3	286.4	300.4	301.8	307.2	316.1	314.9	311.3
Iron and steel	115.1	200.9	253.6	283.5	305.2	333.8	339.0	343.4	356.9	355.3	343.0
Steel mill products	114.2	197.2	254.5	280.4	302.7	337.6	349.5	352.6	366.0	366.1	348.8
Nonferrous metals	124.7	171.6	207.8	218.7	305.0	285.6	263.8	276.1	277.1	262.5	259.7
Metal containers	112.6	192.1	243.4	269.2	296.6	315.6	326.5	335.4	350.0	358.1	362.1
Hardware	111.5	163.0	200.4	216.7	240.5	263.2	280.3	290.7	296.9	305.8	306.6
Plumbing fixtures, brass fittings	111.2	162.3	199.1	217.1	246.7	267.5	278.7	289.3	302.7	311.8	322.1
Heating equipment	110.6	150.7	174.4	187.1	206.7	224.2	237.2	243.6	252.9	259.6	268.3
Fabricated structural metal products	112.0	189.0	226.4	248.9	270.5	295.5	304.8	303.5	310.7	314.6	315.9
Miscellaneous metal products	114.3	181.1	212.0	231.4	250.5	270.5	282.3	283.6	295.3	302.3	302.1
Machinery and equipment [1]	111.4	161.4	196.1	213.9	239.8	263.3	278.8	286.4	293.1	298.9	303.3
Agricultural	113.2	168.6	213.1	232.1	259.2	288.3	311.1	326.3	336.1	338.2	339.6
Construction	115.9	185.2	232.9	256.2	289.4	320.8	343.9	351.9	357.0	362.6	367.0
Metalworking	114.1	171.6	217.8	241.3	274.4	301.3	320.9	326.5	334.0	341.9	348.0
General purpose	113.7	178.5	216.6	236.4	264.6	288.7	304.0	308.2	314.1	321.3	325.6
Special industry	115.7	175.5	223.0	247.0	275.6	307.9	325.1	337.1	346.7	360.3	371.3
Electrical	106.4	140.7	164.9	178.9	201.7	220.2	231.6	240.1	248.7	253.8	257.6
Miscellaneous	112.8	162.3	194.7	208.9	229.9	252.6	268.4	274.1	274.4	277.2	279.5
Furniture and household durables [1]	107.5	139.7	160.4	171.3	187.7	198.5	206.9	214.0	218.7	221.6	223.9
Household furniture	111.7	146.3	173.5	186.3	204.8	219.2	229.8	234.7	242.1	249.3	253.4
Commercial furniture	114.5	166.7	201.5	221.8	236.0	257.5	275.5	286.3	297.1	308.3	317.8
Floor coverings	99.4	124.9	141.6	147.9	163.0	178.7	181.2	185.4	189.2	191.5	195.6
Household appliances	105.3	132.3	153.0	160.9	174.2	187.3	199.1	206.9	211.0	212.4	210.5
Home electronic equipment	93.3	93.5	90.2	91.1	91.4	89.2	88.1	86.1	83.8	80.0	79.2
Nonmetallic mineral products [1]	112.9	174.0	222.8	248.6	283.0	309.5	320.2	325.2	337.3	347.8	352.0
Flat glass	115.8	139.2	172.8	183.9	196.5	212.8	221.5	229.7	224.5	225.2	231.3
Concrete ingredients	112.6	172.3	217.7	244.0	274.0	296.3	310.0	313.3	325.7	336.2	338.9
Concrete products	109.4	170.9	214.0	241.6	272.9	291.2	297.8	302.4	309.2	320.1	325.1
Clay construction products, exc. refractories	109.9	151.2	197.2	217.9	231.5	249.8	260.8	277.8	286.8	295.9	308.1
Refractories	120.9	166.0	216.5	236.5	264.6	302.4	337.1	341.3	361.2	369.8	371.6
Asphalt felts and coatings	102.7	225.9	292.0	325.3	396.8	407.5	398.4	384.0	399.5	408.7	389.6
Gypsum products	99.7	144.0	229.1	252.3	256.3	256.2	256.1	286.0	346.7	338.6	350.7
Glass containers	120.4	179.7	244.4	261.1	292.7	328.7	355.5	352.4	360.7	379.8	398.0
Transportation equipment [1] [5]	104.6	141.5	173.5	188.1	207.0	235.4	249.7	256.7	262.7	269.5	276.2
Motor vehicles and equipment	108.7	144.6	176.0	190.5	208.8	237.8	251.3	256.8	261.5	267.3	274.4
Motor vehicles	107.3	137.5	167.7	181.6	197.7	216.6	227.1	232.5	237.8	244.8	253.2
Railroad equipment	115.1	201.2	252.8	277.3	313.1	336.1	348.5	350.2	355.5	363.3	365.0
Miscellaneous products [1]	109.9	147.7	184.3	208.7	258.8	265.7	276.4	289.6	295.9	302.3	308.5
Toys, sporting goods, small arms, etc.	109.3	146.0	163.2	176.2	196.8	211.9	221.5	225.2	227.1	231.5	235.9
Tobacco products	113.8	149.6	198.5	217.8	245.7	268.3	323.1	365.4	398.4	428.1	460.4
Notions	108.4	151.0	182.0	191.8	217.2	259.8	277.0	280.1	283.2	285.1	287.3
Photographic equipment and supplies	104.9	130.8	145.7	153.7	202.9	210.0	210.4	215.7	214.6	215.8	219.1

NA Not available. [1] Includes other product groups, not shown separately. [3] Dec. 1975 = 100. [5] Dec. 1970 = 100. [6] Dec. 1968 = 100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 737. Producer Price Indexes—Annual Percent Change in Selected Major Commodity Groups: 1974 to 1986

[Minus sign (–) indicates decrease]

COMMODITY GROUP	1974 [1]	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All commodities	18.9	9.2	4.6	6.1	7.8	12.6	14.1	9.2	2.0	1.3	2.4	–.5	–2.9
Farm products	6.5	–.5	2.3	.6	10.4	13.6	3.3	2.2	–4.9	2.4	3.1	–9.9	–2.5
Processed foods, feeds	15.4	6.6	–2.5	4.6	6.9	9.8	8.4	3.1	1.1	1.7	3.6	–1.7	1.6
Textile products, apparel	12.4	–.9	7.5	3.9	3.8	5.8	8.8	8.8	2.5	.2	2.4	.2	.3
Hides, skins, leather, related products	1.4	2.3	13.0	6.9	11.5	26.2	–1.4	4.8	.7	3.2	5.6	–.1	3.7
Fuels, related products, power	55.1	17.7	6.4	13.6	6.7	26.5	40.7	21.0	–.2	–4.1	–1.2	–3.5	–23.7
Chemicals and allied products	33.5	23.5	3.3	3.0	3.1	11.8	17.1	10.5	1.6	.2	2.7	.8	–1.2
Rubber and plastic products	21.2	10.3	6.0	5.3	4.3	11.2	11.9	7.0	3.8	.7	1.5	–.4	.1
Lumber and wood products	3.8	–3.6	16.2	14.9	18.6	8.6	–3.6	1.3	–2.6	7.9	1	–1.2	.8
Pulp, paper, and allied products	24.2	12.3	5.3	3.9	4.9	12.0	13.6	9.9	5.4	3.3	6.6	2.7	2.5
Metals and metal products	29.4	8.0	5.5	6.7	8.7	14.2	10.5	4.9	.4	1.9	2.9	–.4	–1.1
Machinery and equipment	14.5	15.6	5.9	6.3	7.9	9.1	12.1	9.8	5.9	2.7	2.3	2.0	1.5
Furniture and household durables	11.0	9.2	4.2	4.1	5.9	6.6	9.6	5.6	4.2	3.4	2.2	1.3	1.0
Nonmetallic mineral products	17.7	13.6	7.1	7.6	11.1	11.6	13.6	9.4	3.5	1.6	3.7	3.1	1.2
Transportation equipment	9.0	12.7	6.6	6.8	7.6	8.4	10.0	13.7	9.6	2.8	2.3	2.6	2.5

[1] Change from 1973.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Digitized by Google

No. 738. Consumer Price Indexes, by Major Groups: 1950 to 1986

[1967 = 100. Annual averages of monthly figures, except as indicated. Prior to 1965, excludes Alaska and Hawaii. Through 1977 represents buying patterns of wage earners and clerical workers, beginning 1978, reflects buying patterns of all urban consumers in the 1970's. See text, section 15 for details regarding other periods. See also *Historical Statistics, Colonial Times to 1970* series E 135–173]

YEAR	All items	FOOD		SHELTER		Fuel oil and coal [1]	Gas and electricity	Apparel and upkeep	TRANSPORTATION		Medical care	All commodities	All services
		Total	Away from home	Total	Rent, residential				Private	Public			
1950	72.1	74.5	(NA)	(NA)	70.4	72.7	81.2	79.0	72.5	48.9	53.7	78.8	58.7
1951	77.8	82.8	(NA)	(NA)	73.2	76.5	81.5	86.1	75.8	54.0	56.3	85.9	61.8
1952	79.5	84.3	(NA)	76.2	78.0	62.6	85.3	80.8	57.5	59.3	87.0	64.5	
1953	80.1	83.0	68.9	76.5	80.3	81.5	84.2	84.6	82.4	61.3	61.4	86.7	67.3
1954	80.5	82.8	70.1	78.2	83.2	81.2	85.3	84.5	80.3	65.5	63.4	85.9	69.5
1955	80.2	81.6	70.8	79.1	84.3	82.3	87.5	84.1	78.9	67.4	64.8	85.1	70.9
1956	81.4	82.2	72.2	80.4	85.9	85.9	88.4	85.8	80.1	70.0	67.2	85.9	72.7
1957	84.3	84.9	74.9	83.4	87.5	90.3	89.3	87.3	84.7	72.7	69.9	88.6	75.6
1958	86.6	88.5	77.2	85.1	89.1	88.7	92.4	87.5	87.4	76.1	73.2	90.6	78.5
1959	87.3	87.1	79.3	86.0	90.4	89.8	94.7	88.2	91.1	78.3	76.4	90.7	80.8
1960	88.7	88.0	81.4	87.8	91.7	89.2	98.8	89.6	90.6	81.0	79.1	91.5	83.5
1961	89.6	89.1	83.2	88.5	92.9	91.0	99.4	90.4	91.3	84.6	81.4	92.0	85.2
1962	90.6	89.9	85.4	89.6	94.0	91.5	99.4	90.9	93.0	87.4	83.5	92.8	86.8
1963	91.7	91.2	87.3	90.7	95.0	93.2	99.4	91.9	93.4	88.5	85.6	93.6	88.5
1964	92.9	92.4	88.9	92.2	95.9	92.7	99.4	92.7	94.7	90.1	87.3	94.6	90.2
1965	94.5	94.4	90.9	93.8	96.9	94.6	99.4	93.7	96.3	91.9	89.5	95.7	92.2
1966	97.2	99.1	95.1	96.8	98.2	97.0	99.6	96.1	97.5	95.2	93.4	98.2	95.8
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	104.2	103.6	105.2	104.8	102.4	103.1	100.9	105.4	103.0	104.6	106.1	103.7	105.2
1969	109.8	108.9	111.6	113.3	105.7	105.6	102.8	111.5	106.5	112.7	113.4	108.4	112.5
1970	116.3	114.9	119.9	123.6	110.1	110.1	107.3	116.1	111.1	128.5	120.6	113.5	121.8
1971	121.3	118.4	126.1	128.8	115.2	117.5	114.7	119.8	118.6	137.7	128.4	117.4	128.4
1972	125.3	123.5	131.1	134.5	119.2	118.5	120.5	122.3	117.5	143.4	132.5	120.9	133.3
1973	133.1	141.4	141.4	140.7	124.3	136.0	126.4	126.8	121.5	144.8	137.7	129.9	139.1
1974	147.7	161.7	159.4	154.4	130.6	214.8	145.8	136.2	136.8	148.0	150.5	145.5	152.1
1975	161.2	175.4	174.3	169.7	137.3	235.3	169.6	142.3	149.8	158.6	168.6	158.4	166.6
1976	170.5	180.8	186.1	179.0	144.7	250.8	189.0	147.6	164.6	174.2	184.7	165.2	180.4
1977	181.5	192.2	200.3	191.1	153.5	283.4	213.4	154.2	176.6	182.4	202.4	174.7	194.3
1978	195.4	211.4	218.4	210.4	164.0	298.3	232.6	159.6	185.0	187.8	219.4	187.1	210.9
1979	217.4	234.5	242.9	239.7	176.0	403.1	257.8	166.6	212.3	200.3	239.7	208.4	234.2
1980	246.8	254.6	267.0	281.7	191.6	556.0	301.8	178.4	249.2	251.6	265.9	233.9	270.3
1981	272.4	274.6	291.0	314.7	208.2	675.9	345.9	186.9	277.5	312.0	294.5	253.6	305.7
1982	289.1	285.7	306.5	337.0	224.0	667.9	393.8	191.8	287.5	346.0	328.7	263.6	333.3
1983	298.4	291.7	319.9	344.8	236.9	628.0	428.7	196.5	293.9	362.6	357.3	271.5	344.9
1984	311.1	302.9	333.4	361.7	249.3	641.8	445.2	200.2	306.6	385.2	379.5	280.7	363.0
1985	322.2	309.8	346.6	382.0	264.8	619.5	452.7	206.0	314.2	402.8	403.1	286.7	381.5
1986	328.4	319.7	360.1	402.9	280.0	501.5	446.7	207.8	299.5	426.4	433.5	283.9	400.5

NA Not available. [1] Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *Handbook of Labor Statistics*, periodic.

No. 739. Consumer Price Indexes—Annual Percent Change in Major Groups: 1973 to 1986

[See headnote, table 738. See also table 740 for base figures. Minus sign (–) indicates decrease]

ITEM	1973 [1]	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All items	**6.2**	**11.0**	**9.1**	**5.8**	**6.5**	**7.7**	**11.3**	**13.5**	**10.4**	**6.1**	**3.2**	**4.3**	**3.6**	1.9
Food	14.5	14.4	8.5	3.1	6.3	10.0	10.9	8.8	7.9	4.0	2.1	3.8	2.3	3.2
Shelter, total	4.8	9.7	9.9	5.5	6.8	10.1	13.9	17.5	11.7	7.1	2.3	4.9	5.6	5.5
Rent, residential	4.3	5.1	5.1	5.4	6.1	6.8	7.3	8.9	8.7	7.6	5.8	5.2	6.1	5.8
Fuel oil and coal [2]	14.8	57.8	9.6	6.6	13.0	5.3	35.1	37.9	21.6	–1.2	–8.0	2.2	–3.5	–19.0
Gas and electricity	4.9	15.3	16.3	11.4	12.9	9.0	10.8	17.1	14.6	13.8	8.9	3.8	1.7	–1.3
Apparel and upkeep	3.7	7.4	4.5	3.7	4.5	3.5	4.4	7.1	4.8	2.6	2.5	1.9	2.9	.9
Private transportation	3.4	12.4	9.7	9.9	7.3	4.8	14.8	17.4	11.4	3.8	2.2	4.3	2.5	–4.7
Automobiles, new	.1	5.8	8.8	8.3	5.3	7.6	7.9	8.0	6.1	3.9	2.5	2.9	3.2	4.3
Gasoline	9.8	35.4	6.8	4.2	5.8	4.3	35.3	39.0	11.3	–5.3	–3.3	–1.8	.8	–21.9
Auto maintenance and repair	5.3	10.3	12.6	7.4	7.4	8.3	10.0	10.8	9.4	7.6	4.5	3.5	2.9	3.3
Public transportation	1.0	2.2	7.2	9.8	4.7	3.0	6.7	25.8	24.0	10.9	4.8	6.2	4.6	5.9
Medical care	3.9	9.3	12.0	9.5	9.6	8.4	9.3	10.9	10.8	11.8	8.7	6.2	6.2	7.5
Entertainment	2.8	7.5	8.9	5.0	4.9	5.3	6.7	8.9	7.8	6.5	4.3	3.7	3.9	3.4
All services	4.4	9.3	9.5	8.3	7.7	8.5	11.0	15.4	13.1	9.0	3.5	5.2	5.1	5.0
All commodities	7.4	12.0	8.9	4.3	5.8	7.1	11.4	12.2	8.4	4.0	2.9	3.4	2.1	–1.0

[1] Change from 1972.
[2] Includes bottled gas.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*

Digitized by Google

No. 740. Consumer Price Indexes for Selected Items and Groups: 1970 to 1986

[1967 = 100 except as noted. Annual averages of monthly figures. See headnote, table 738]

Commodity	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
All items	116.3	161.2	195.4	217.4	246.8	272.4	289.1	298.4	311.1	322.2	328.4
Food and beverages	114.7	172.1	206.3	226.5	248.0	267.3	278.2	284.4	295.1	302.0	311.8
Food	114.9	175.4	211.4	234.5	254.8	274.6	285.7	291.7	302.9	309.8	319.7
Food at home	113.7	175.8	210.2	232.9	251.5	269.9	279.2	282.2	292.6	296.8	306.3
Cereals and bakery products	108.9	184.8	199.9	220.1	246.4	271.1	283.4	292.5	305.3	317.0	325.8
Meats, poultry, fish, eggs	117.3	176.4	204.3	234.2	242.2	252.8	262.1	261.0	266.8	263.4	275.1
Dairy products	111.8	156.8	185.8	207.1	227.4	243.6	247.0	250.0	253.2	258.0	258.4
Fruits and vegetables	113.4	171.0	212.9	230.0	246.7	276.3	291.4	292.2	317.4	325.7	328.7
Sugar and sweets	115.1	246.2	257.5	277.6	341.3	368.3	367.5	374.4	389.1	398.8	411.1
Fats and oils	105.8	196.6	209.6	226.3	241.2	267.1	259.6	263.1	286.0	294.4	287.8
Nonalcoholic beverages	117.4	178.9	348.3	357.6	395.6	412.8	424.2	432.2	443.0	451.7	478.2
Other prepared foods	109.4	163.0	189.4	208.5	231.1	254.9	268.1	284.9	294.2	294.2	301.9
Food away from home	119.9	174.3	218.4	242.9	267.0	291.0	306.5	319.9	333.4	346.8	360.1
Alcoholic beverages	112.3	142.1	159.8	172.4	186.3	199.5	208.5	216.5	222.1	229.5	239.7
Housing	118.2	164.5	202.8	227.6	263.3	293.5	314.7	323.1	336.5	349.9	360.2
Shelter	123.6	169.7	210.4	239.7	281.7	314.7	337.0	344.8	361.7	382.0	402.9
Renter's costs [1]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	103.0	108.6	115.4	121.9
Rent	110.1	137.3	164.0	176.0	191.6	208.2	224.0	236.9	249.3	264.8	280.0
Maintenance and repairs	124.0	187.6	233.0	256.4	285.7	314.4	334.1	346.3	359.2	368.9	373.8
Homeowners' costs [1]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	102.5	107.3	113.1	119.4
Fuel and other utilities	107.6	167.8	216.0	239.3	278.6	319.2	350.8	370.3	387.3	393.6	384.7
Fuel oil, coal, and bottled gas	110.1	235.3	298.3	403.1	556.0	675.9	667.9	626.0	641.8	619.5	501.5
Fuel oil	109.3	230.8	296.9	416.8	579.7	709.2	693.9	637.7	651.0	625.0	489.8
Gas (piped) and electricity	107.3	169.6	232.8	257.6	301.8	345.9	393.6	428.7	445.2	452.7	446.7
Electricity	106.2	167.0	203.4	219.1	253.4	291.5	320.3	330.6	351.8	364.1	369.0
Household furnishings and operation [2]	111.5	151.0	177.7	190.3	205.4	221.3	233.2	236.5	242.5	247.2	250.4
Housefurnishings	109.3	137.4	154.3	163.1	174.2	185.2	193.8	197.5	199.1	200.1	201.1
Apparel and upkeep [3]	116.1	142.3	159.8	166.6	178.4	186.9	191.8	196.5	200.2	206.0	207.8
Apparel commodities	116.5	141.2	155.7	161.1	171.1	177.7	181.0	184.5	187.0	191.6	192.0
Apparel commodities [4]	116.3	140.6	154.2	158.5	167.8	174.0	177.0	180.6	183.2	188.1	188.8
Men's and boys'	117.1	142.2	157.3	160.8	166.4	177.5	183.9	186.9	192.4	197.9	200.0
Women's and girls'	116.0	138.1	149.3	151.9	155.1	157.5	159.1	161.9	163.6	169.5	168.0
Footwear	117.7	144.2	163.8	176.7	190.3	200.4	205.5	206.9	209.5	212.1	211.2
Transportation	112.7	150.6	185.5	212.0	249.7	280.0	291.5	296.4	311.7	319.9	307.5
Private	111.1	149.8	185.0	212.3	249.2	277.5	287.5	293.9	306.8	314.2	299.5
Automobiles, new	107.6	127.6	153.8	166.0	179.3	190.2	197.6	202.6	208.5	215.2	224.4
Automobiles, used	104.3	144.4	196.5	230.0	268.1	256.9	296.4	292.7	275.7	274.5	263.2
Gasoline	105.8	170.8	196.3	265.6	369.1	410.9	389.3	376.3	370.2	373.3	291.4
Auto insurance rates	126.7	145.9	216.6	228.7	247.4	259.0	275.7	302.7	326.3	359.5	407.2
Public	128.5	158.6	187.8	200.3	251.8	312.0	346.0	362.6	385.2	402.8	426.4
Intracity mass transit	134.5	155.5	181.8	189.8	217.6	274.8	310.9	322.1	344.6	352.4	381.8
Intercity bus fare	118.4	186.0	240.2	260.0	297.1	339.8	368.8	402.2	436.3	466.6	514.3
Airline fares	116.5	159.0	190.8	205.8	284.8	358.4	395.0	417.8	443.0	470.9	490.2
Medical care	120.6	168.6	219.4	239.7	265.9	294.5	328.7	357.3	379.5	403.1	433.5
Prescription drugs	101.2	109.3	131.6	141.8	154.8	172.5	192.7	213.8	234.3	256.5	278.6
Physicians' services	121.4	169.4	223.1	243.6	269.3	299.0	327.1	352.3	376.8	398.8	427.7
Dental services	119.4	161.9	198.1	214.9	240.2	263.3	283.6	302.7	327.3	347.9	367.3
Hospital room	145.4	236.1	332.4	370.3	418.9	481.1	556.7	619.7	670.9	710.5	753.1
Entertainment	116.7	152.2	176.6	188.5	205.3	221.4	235.8	246.0	255.1	265.0	274.1
Entertainment commodities	113.5	152.1	177.7	189.3	208.2	225.2	239.0	246.9	253.3	260.6	265.9
Newspapers	119.4	174.5	200.4	213.7	236.2	262.6	283.5	302.4	314.3	326.0	341.1
Entertainment services	121.0	152.4	175.4	187.6	201.6	216.3	231.8	245.3	258.3	271.8	286.3
Other goods and services	116.8	153.9	183.3	196.7	214.5	235.7	259.9	288.3	307.7	326.8	346.4
Tobacco products	121.2	153.9	177.3	187.9	202.6	218.9	243.5	291.0	310.0	326.5	351.0
Personal care	113.2	150.7	182.0	195.6	213.1	232.0	248.3	261.1	271.4	281.9	291.3
Toilet goods [5]	110.4	150.0	176.6	186.7	206.1	227.2	246.1	260.6	269.6	278.5	287.9
Personal care services	116.0	151.4	187.3	202.7	219.9	237.0	251.2	262.5	274.1	286.0	295.4
Personal and educational expenses	116.2	162.4	196.0	213.8	236.2	265.8	301.0	333.3	365.7	397.1	428.8
All services	121.8	166.6	210.9	234.2	270.3	305.7	333.3	344.9	363.0	381.8	400.5
Transportation services	123.1	152.7	197.4	212.8	242.6	271.6	294.4	303.6	321.1	337.0	356.3
Medical care services	124.2	179.1	235.4	258.3	287.4	318.2	356.0	387.0	410.3	435.1	466.6
Other services	117.3	153.1	184.7	199.8	218.7	239.2	259.9	278.0	296.0	314.1	331.8
All commodities	113.5	158.4	187.1	208.4	233.9	253.6	263.8	271.5	280.7	286.7	283.9
Durable	111.8	145.5	173.9	191.1	210.4	227.1	241.1	253.0	266.5	270.7	270.2
Nondurable	114.0	163.2	192.0	215.9	245.0	266.3	273.6	279.0	286.6	293.2	289.6
All commodities less food	112.5	149.1	174.7	195.1	222.0	241.2	250.9	259.0	267.9	272.5	263.4
Nondurables less food	113.1	151.7	174.3	198.7	235.2	257.5	261.6	266.3	270.8	277.2	262.2
Nondurables less food, apparel	111.2	157.9	185.0	216.2	267.1	296.6	301.1	306.4	311.9	319.2	297.1

NA Not available. [1] Dec. 1982 = 100. See text, section 15. [2] Includes housekeeping supplies and services. [3] Includes apparel services. [4] Except footwear. [5] Includes personal care appliances.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.

Digitized by Google

No. 741. Consumer Price Indexes—Selected Cities or SMSA's: 1970 to 1986

[1967 = 100, except as noted. Annual averages of monthly figures. For coverage details, see headnote, table 738, and text, section 15. Area is generally the standard metropolitan statistical area (SMSA), exclusive of farms. Los Angeles-Long Beach-Anaheim, CA is a combination of two SMSA's, and New York, NY-Northeastern NJ, and Chicago, IL-Northwestern IN are the more extensive standard consolidated areas. Area definitions are those established by the Office of Management and Budget in 1973, except for Denver-Boulder, CO which does not include Douglas County. Definitions do not include revisions made since 1973]

City/SMSA	All items									
	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
U.S. city average [1]	**116.3**	**161.2**	**181.5**	**195.4**	**217.4**	**246.8**	**272.4**	**289.1**	**298.4**	311.1
Anchorage, AK [2]	(NA)	152.3	175.0	187.5	207.0	228.2	246.5	260.1	264.6	275.1
Atlanta, GA	116.5	161.7	179.6	192.6	212.7	242.3	272.0	289.5	301.3	313.0
Baltimore, MD	117.0	165.2	185.9	199.6	218.2	250.3	273.6	285.8	298.6	312.8
Boston, MA	116.7	162.1	183.4	193.1	212.9	240.0	266.7	277.7	290.0	304.0
Buffalo, NY	116.1	161.8	181.7	193.0	211.3	235.6	257.6	267.2	284.5	294.4
Chicago, IL-Northwestern IN	116.3	157.6	175.6	190.7	214.6	245.5	269.0	287.4	298.8	310.1
Cincinnati, OH-KY-IN	115.7	160.3	182.2	199.1	223.8	254.0	272.1	293.5	312.0	322.6
Cleveland, OH	119.3	160.9	180.5	193.9	219.5	252.9	279.3	301.2	324.3	335.9
Dallas-Fort Worth, TX	117.8	158.2	180.2	194.0	218.6	255.6	284.9	301.3	312.6	327.2
Denver-Boulder, CO	(NA)	161.3	184.7	202.1	233.5	261.5	290.8	317.0	335.1	343.8
Detroit, MI	117.4	160.1	180.4	194.1	218.8	253.5	277.1	288.3	296.5	306.0
Honolulu, HI	114.2	155.0	171.0	184.1	204.6	228.5	252.4	267.6	273.5	284.8
Houston, TX	116.8	164.9	190.2	208.2	235.7	265.4	291.9	312.2	320.6	329.4
Kansas City, MO-KS	115.8	157.9	178.3	191.8	219.2	248.1	268.6	282.0	298.4	310.4
Los Angeles-Long Beach-Anaheim, CA	114.3	157.6	179.6	192.8	213.7	247.3	271.4	287.6	292.7	306.1
Miami, FL [3]	(NA)	(NA)	(NA)	104.5	114.8	130.8	145.8	155.8	161.0	166.8
Milwaukee, WI	115.8	157.0	177.9	192.3	218.8	251.5	280.1	296.3	309.5	320.6
Minneapolis-St. Paul, MN-WI	117.5	160.9	183.0	199.7	222.6	247.8	278.3	306.2	312.6	324.0
New York, NY-Northeast NJ	119.0	166.6	185.5	196.1	213.1	237.2	260.5	275.6	288.6	303.1
Northeast PA	116.3	164.7	179.9	191.9	210.7	237.1	264.1	273.8	283.8	296.3
Philadelphia, PA-NJ	117.8	164.2	183.5	194.3	213.6	241.4	266.0	279.0	287.1	300.6
Pittsburgh, PA	116.4	160.0	179.8	195.5	217.3	247.2	272.5	288.0	308.4	319.0
Portland, OR-WA	113.2	156.5	180.2	196.4	225.4	255.4	278.2	287.0	290.1	301.9
St. Louis, MO-IL	115.2	156.1	176.6	191.5	215.8	244.9	267.5	286.9	297.2	306.9
San Diego, CA	115.3	160.8	182.0	200.1	233.1	268.5	304.6	325.3	334.6	354.2
San Francisco-Oakland, CA	115.8	159.1	180.8	197.6	214.6	247.3	279.0	300.0	302.5	315.6
Seattle-Everett, WA	114.0	155.8	177.6	194.8	216.3	252.1	279.7	297.8	302.8	313.9
Washington, DC-MD-VA	117.6	161.6	183.0	197.0	218.6	244.7	267.3	281.9	294.7	308.9

City/SMSA	1985, all items	1986							
		All items	Food and beverages	Housing	Fuel and other utilities	Apparel and upkeep	Transportation	Medical care	Entertainment
U.S. city average [1]	**322.2**	**328.4**	**311.8**	**360.2**	**384.7**	**207.8**	**307.5**	**433.5**	274.1
Anchorage, AK [2]	282.3	287.8	323.7	270.7	262.0	216.4	294.5	460.7	290.0
Atlanta, GA	328.4	338.3	323.6	384.6	370.8	213.7	291.8	435.9	244.4
Baltimore, MD	323.7	331.7	317.8	368.1	353.2	233.4	305.0	408.8	273.5
Boston, MA	318.0	326.2	304.1	342.6	348.7	232.9	331.7	438.0	286.2
Buffalo, NY	306.3	309.1	302.7	333.8	480.7	246.0	275.3	348.3	285.3
Chicago, IL-Northwestern IN	321.8	328.5	299.9	373.2	349.3	171.5	301.7	429.5	286.1
Cincinnati, OH-KY-IN	329.8	332.8	323.0	363.6	401.3	234.7	278.2	440.9	239.7
Cleveland, OH	345.4	350.6	311.5	395.8	406.7	199.6	298.4	485.9	275.1
Dallas-Fort Worth, TX	339.5	344.7	329.4	383.3	361.5	221.1	303.8	448.2	268.5
Denver-Boulder, CO	357.2	359.7	288.3	441.5	365.6	191.8	304.0	418.0	292.9
Detroit, MI	317.6	322.0	291.8	358.3	432.4	170.4	307.8	464.5	237.8
Honolulu, HI	294.1	301.1	327.2	262.2	303.4	204.4	271.7	432.8	291.8
Houston, TX	336.4	333.3	339.6	348.1	430.6	251.2	275.4	496.3	296.3
Kansas City, MO-KS	319.7	322.7	309.8	348.7	377.8	226.0	288.6	433.4	256.0
Los Angeles-Long Beach-Anaheim, CA	320.2	330.7	305.1	371.7	362.4	184.1	325.5	458.2	239.2
Miami, FL [3]	171.7	174.0	164.5	176.7	175.0	145.8	178.9	202.7	136.8
Milwaukee, WI	330.5	331.7	296.5	377.5	402.1	229.5	300.2	398.0	282.4
Minneapolis-St. Paul, MN-WI	336.2	340.5	317.8	393.2	384.3	201.7	282.9	416.4	302.8
New York, NY-Northeast NJ	314.3	324.6	323.4	338.3	382.6	191.3	336.9	442.4	291.4
Northeast PA	308.5	310.7	299.1	332.7	478.7	209.1	289.3	471.1	269.4
Philadelphia, PA-NJ	314.2	322.0	314.0	337.6	391.8	183.2	328.2	473.6	254.2
Pittsburgh, PA	326.2	330.2	301.0	376.5	387.2	196.1	314.8	451.4	290.7
Portland, OR-WA	312.4	316.6	308.1	323.1	387.5	197.0	314.6	429.8	256.1
St. Louis, MO-IL	318.1	322.7	312.6	359.2	344.3	195.9	284.3	405.0	262.9
San Diego, CA	373.2	383.7	327.4	488.8	337.9	217.0	316.8	393.9	267.8
San Francisco-Oakland, CA	333.1	343.2	312.5	403.0	413.8	209.8	308.0	413.8	261.1
Seattle-Everett, WA	321.9	325.2	297.9	363.2	365.2	200.6	288.0	404.2	270.7
Washington, DC-MD-VA	321.8	331.1	325.8	353.3	360.9	223.4	304.1	454.0	286.4

NA Not available. [1] 1970–1977 based on 56 urban areas; beginning 1978 based on 85 areas. Includes medium- and small-sized cities, not shown separately. 1970–1978, excludes Portland. [2] October 1967 = 100. [3] November 1977 = 100.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and in *CPI Detailed Report*, January issues.

Digitized by Google

No. 742. Annual Percent Changes in Consumer Prices, United States and OECD Countries: 1970 to 1986

[Covers member countries of Organization for Economic Cooperation and Development (OECD). For consumer price indexes for OECD countries, see section 31]

COUNTRY	1970–1975, avg.	1975–1980, avg.	1980–1985, avg.	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	6.7	8.9	5.5	5.8	6.5	7.7	11.3	13.5	10.4	6.1	3.2	4.3	3.5	2.0
OECD, total	8.5	9.6	6.6	8.6	8.8	7.9	9.8	12.9	10.5	7.8	5.2	5.3	4.5	2.5
OECD, Europe	9.8	11.2	9.0	10.9	11.1	9.3	10.8	14.3	12.2	10.5	8.2	7.4	6.5	3.8
Australia	10.2	10.6	8.3	13.5	12.3	7.9	9.1	10.2	9.7	11.2	10.1	3.9	6.8	9.1
Canada	7.3	8.7	7.4	7.5	8.0	9.0	9.1	10.1	12.5	10.8	5.9	4.3	4.0	4.8
Japan	11.5	6.5	2.7	9.3	8.1	3.8	3.6	8.0	4.9	2.7	1.9	2.2	2.1	(NA)
New Zealand	10.2	14.8	12.0	16.9	14.3	12.0	13.8	17.1	15.4	16.1	7.4	8.2	15.4	13.2
Austria	7.3	5.3	4.9	7.3	5.5	3.8	3.7	6.4	6.8	5.4	3.3	5.6	3.2	1.7
Belgium	8.4	6.4	7.0	9.2	7.1	4.5	4.5	6.6	7.6	8.7	7.7	8.3	4.9	1.3
Denmark	9.3	10.4	7.9	9.0	11.1	10.0	9.6	12.3	11.7	10.1	6.9	6.3	4.7	3.6
Finland	11.7	10.7	8.6	14.4	12.2	7.8	7.5	11.8	12.0	9.6	8.3	7.1	5.9	3.6
France	8.8	10.5	9.6	9.6	9.4	9.1	10.8	13.6	13.4	11.8	9.6	7.4	5.8	2.7
Greece	12.3	16.3	20.7	13.3	12.1	12.8	19.0	24.9	24.5	21.0	20.2	18.5	19.3	23.0
Ireland	13.3	14.1	12.3	18.0	13.6	7.6	13.3	18.2	20.4	17.1	10.5	8.6	5.4	3.8
Italy	11.3	16.3	13.7	16.8	18.4	12.1	14.8	21.2	19.5	18.6	14.6	10.8	9.2	5.8
Luxembourg	7.2	6.1	6.9	9.8	6.7	3.1	4.5	6.3	8.1	9.4	8.7	4.6	4.1	.3
Netherlands	8.8	6.0	4.2	8.8	6.4	4.1	4.2	6.5	6.7	6.0	2.8	3.3	2.3	.2
Norway	8.4	8.4	9.0	9.1	9.1	8.1	4.8	10.9	13.6	11.3	8.4	6.2	5.7	7.2
Portugal [1]	15.4	21.8	23.2	19.3	27.2	22.5	23.9	18.6	20.0	22.4	25.5	29.3	19.3	11.7
Spain	12.1	18.6	12.2	17.7	24.5	19.8	15.7	15.5	14.6	14.4	12.1	11.3	8.8	8.8
Sweden	8.0	10.5	9.0	10.3	11.4	10.0	7.2	13.7	12.1	8.6	8.9	8.0	7.4	4.3
Switzerland	7.7	2.3	4.3	1.7	1.3	1.1	3.8	4.0	6.5	5.6	3.0	3.0	3.4	.7
Turkey [1]	18.6	50.1	37.8	17.4	26.0	61.9	63.5	94.3	37.8	32.7	28.8	45.6	44.9	34.8
United Kingdom	13.0	14.4	7.2	16.5	15.8	8.3	13.4	18.0	11.9	8.6	4.6	5.0	6.1	3.4
West Germany	6.1	4.1	3.9	4.5	3.7	2.7	4.1	5.5	5.9	5.3	3.3	2.4	2.2	–.2

NA Not available. [1] Excludes rent.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators*, monthly.

No. 743. Consumer Price Indexes for All Urban Consumers—U.S. Regions: 1974 to 1986

[December 1977 = 100. For composition of regions, see fig. I, inside front cover]

REGION AND AREA	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All items:													
Northeast	81.4	87.9	92.9	98.1	104.3	114.7	129.4	143.3	150.8	157.1	164.5	170.7	175.0
Midwest	79.3	86.2	91.2	97.4	105.3	118.2	134.0	146.6	157.0	162.6	168.6	173.7	175.8
South	78.8	86.5	91.3	97.4	105.4	117.4	132.9	147.2	156.6	161.7	168.4	173.8	176.8
West	77.1	85.1	90.2	96.9	105.1	117.3	134.6	148.5	157.5	160.0	167.4	174.5	178.6
Food:													
Northeast	83.1	89.8	92.8	98.0	107.2	118.0	128.6	138.9	144.8	147.8	153.6	157.9	163.7
Midwest	82.8	88.6	92.0	97.9	108.0	119.8	130.0	139.4	144.1	145.9	150.9	153.4	158.0
South	80.9	89.8	92.0	98.0	107.9	120.1	130.4	140.7	146.1	149.5	155.9	159.1	163.8
West	81.1	88.3	90.2	97.1	108.0	120.2	130.2	141.0	147.7	152.3	158.3	162.1	166.5
Housing:													
Northeast	(NA)	(NA)	(NA)	(NA)	104.3	115.2	132.3	148.7	156.9	163.6	171.5	178.8	184.8
Midwest	(NA)	(NA)	(NA)	(NA)	106.1	121.1	140.0	153.5	168.4	175.4	181.1	187.2	191.4
South	(NA)	(NA)	(NA)	(NA)	106.0	119.0	136.8	153.2	165.1	168.7	174.5	180.0	184.6
West	(NA)	(NA)	(NA)	(NA)	105.1	117.8	138.5	154.1	163.7	163.4	171.9	181.0	187.9
Population-size class of SMSA: [1]													
Less than 75,000	(NA)	(NA)	(NA)	(NA)	104.9	116.5	131.3	144.8	156.0	160.7	167.2	172.0	173.9
75,000 to 384,999	(NA)	(NA)	(NA)	(NA)	105.4	117.8	133.1	146.4	155.7	160.1	166.6	172.2	175.0
385,000 to 1,249,999	(NA)	(NA)	(NA)	(NA)	105.2	117.8	134.0	148.6	156.9	161.6	168.5	174.5	177.1
1,250,000 to 4,000,000	(NA)	(NA)	(NA)	(NA)	105.1	117.2	133.5	147.8	157.4	162.9	169.8	175.8	178.9
Over 4,000,000	(NA)	(NA)	(NA)	(NA)	104.5	115.4	131.1	143.8	152.1	157.4	164.5	171.1	175.9
ANNUAL PERCENT CHANGE													
All items:													
Northeast	[2] 11.1	8.0	5.7	5.6	6.3	10.0	12.8	10.7	5.2	4.2	4.7	3.8	2.5
Midwest	[2] 10.9	8.7	5.8	6.8	8.1	12.3	13.4	9.4	7.1	3.6	3.7	3.0	1.2
South	[2] 12.1	9.8	5.5	6.7	8.2	11.4	13.2	10.8	6.4	3.3	4.1	3.2	1.8
West	[2] 10.6	10.4	6.0	7.4	8.5	11.6	14.7	10.3	6.1	1.6	4.8	4.2	2.3

NA Not available. [1] See headnote, table 744. [2] Change from 1973.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review* and *CPI Detailed Report*, January issues.

Digitized by Google

No. 744. Average Prices (Unit Values)—Selected Commodities Exported and Imported: 1970 to 1986

[**In dollars per unit.** Includes trade of Puerto Rico with foreign countries. Unit values obtained by dividing annual values of domestic exports and imports of merchandise for consumption by annual quantities. Values of goods exported represent those at port of export. For 1970, values of goods imported represent market values in country from which imported; transaction values f.a.s. (free alongside ship) at port of export through 1981; and customs value beginning in 1982. Unit values may show actual price movements only roughly for commodities subject to considerable price variations among different grades, methods of packing, etc., and to year-to-year variations in proportions of grades, etc. Unit values of agricultural exports also include effects of Commodity Credit Corporation sales for export]

COMMODITY	Unit	1970	1975	1980	1982	1983	1984	1985	1986
EXPORTS									
Wheat	Bushel	1.58	4.54	4.85	4.46	4.41	4.17	3.95	3.34
Milled rice, less than 75% broken kernels	Lb	.079	.189	.197	.189	.188	.187	.172	.111
Corn	Bushel	1.45	3.36	3.41	2.91	3.40	3.63	3.00	2.11
Grain sorghums	Bushel	1.32	3.05	3.34	2.92	3.36	3.17	2.85	2.23
Wheat flour	100 lb	3.85	10.34	12.17	11.26	6.89	11.09	9.57	6.81
Leaf tobacco, flue-cured, unstemmed	Lb	.921	1.46	2.11	2.62	2.70	2.82	2.54	2.41
Cigarettes	1,000	5.45	7.38	12.87	16.78	18.55	19.82	20.02	20.30
Soybeans	Bushel	2.80	6.24	7.35	6.64	7.09	7.57	6.04	5.01
Synthetic rubber, "s" type [1]	Lb	.177	.283	.402	.457	.439	.444	.441	.365
Woodpulp, special alpha and dissolving grades	Sh. ton	187.40	296.97	511.57	518.93	503.64	511.45	474.25	476.94
Cotton, upland, staple 1" to 1⅛"	Lb	.259	.542	.706	.637	.688	.744	.676	.762
Cotton, upland, staple, 1⅛" and over	Lb	.308	.601	.817	.741	.745	.796	.747	.840
Bituminous coal	Sh. ton	13.40	49.23	40.37	56.39	49.29	50.63	45.23	45.97
Steel scrap, No. 1, heavy melting	Sh. ton	43.37	84.53	102.20	73.85	74.45	86.41	79.04	101.76
Tallow, inedible	Lb	.067	.162	.218	.195	.183	.229	.201	.141
Soybean oil, crude	Lb	.122	.332	.269	.216	.222	.309	.304	.211
Carbon steel sheets, cold rolled	Lb	.077	.175	.184	.245	.236	.279	.298	.188
Polyethylene resin	Lb	.134	.257	.423	.340	.341	.378	.317	.374
Styrene, polymer, and copolymer resins	Lb	.193	.343	.576	.662	.668	.706	.743	.662
Container board liners	Lb	.062	.126	.156	.144	.128	.153	.133	.294
Nylon yarn, incl. monofilaments	Lb	.953	1.15	1.41	1.54	1.49	1.24	1.33	1.07
Carbon black, furnace	Lb	.090	.167	.331	.524	.584	.607	.638	.749
Copper, refined, crude forms	Lb	.671	.854	.974	.680	.739	.689	.627	.672
Aluminum metal and alloys	Lb	.263	.361	.807	.751	.890	.901	.684	.744
IMPORTS									
Canned beef	Lb	.425	.724	1.44	1.15	1.14	1.04	1.14	1.15
Cashew nuts	Lb	.599	.846	2.02	1.61	1.59	2.12	1.95	2.52
Raw sugar	Lb	.070	.245	.223	.153	.176	.168	.130	.162
Coffee (Brazil)	Lb	.474	.679	1.87	1.25	1.24	1.31	1.27	1.72
Coffee (Colombia)	Lb	.535	.683	1.70	1.40	1.29	1.37	1.27	1.89
Cocoa (cacao beans, Africa)	Lb	.352	.670	1.26	.815	.732	.920	.947	.996
Tea (Sri Lanka)	Lb	.390	.582	.858	.764	.980	1.37	.950	.785
Whisky, containers of 1 gal. or less (U.K.)	Proof gal	7.48	8.22	13.58	16.78	16.33	16.49	16.80	11.85
Whisky, containers of 1 gal. or less (Canada)	Proof gal	6.70	7.60	9.99	12.94	13.06	13.56	12.71	8.47
Cigarette leaf, unstemmed	Lb	.568	1.03	1.27	1.43	1.54	1.52	1.49	1.48
Goat and kid skins, dry	Lb	1.08	1.26	5.10	2.26	2.33	1.86	1.40	3.97
Crude rubber, except milk	Lb	.189	.238	.586	.367	.423	.454	.352	.350
Sawed lumber, fir	Mil. bd. ft	71.13	137.64	255.12	170.18	212.01	187.43	205.07	209.42
Sawed lumber, spruce	Mil. bd. ft	73.98	132.55	192.25	163.15	194.55	184.51	181.30	189.92
Woodpulp, sulphite, bleached, exc. rayon and special chemical grades	Sh. ton	142.90	323.72	443.79	449.18	416.88	418.24	399.46	369.42
Woodpulp, sulphate, bleached	Sh. ton	143.68	353.41	431.74	377.23	338.61	412.41	332.84	332.52
Apparel wool, 60's and finer [2]	Lb	.879	1.59	1.70	1.78	1.57	1.51	1.57	1.97
Iron ore (Canada)	Ton	12.42	22.15	33.61	38.82	38.44	37.05	38.01	36.04
Iron ore (Venezuela)	Ton	8.33	15.64	22.48	33.64	34.97	22.92	24.10	21.11
Manganese ore, metallurgical grade [3]	Lb	.020	.050	.069	.086	.056	.019	.029	.044
Bauxite, crude	Ton	10.91	20.67	27.81	33.14	29.17	30.26	29.41	27.98
Copper ores and concentrates [3]	Lb	.617	.586	.700	.557	.485	.623	.512	.560
Crude petroleum (Venezuela) [4]	Bbl	2.30	11.66	27.64	33.84	27.78	28.57	27.02	13.59
Newsprint	Sh. ton	140.11	244.10	368.98	420.86	398.52	417.99	428.87	428.80
Jute burlap	Lb	.230	.294	.379	.482	.470	.516	.589	.411
Concrete reinforcement bars	Lb	.051	.092	.150	.123	.094	.101	.108	.113
Steel tubes and pipes, at least .065" thick, ⅝" diameter	Lb	.075	.208	.233	.306	.237	.210	.498	.392
Copper, refined (Chile) [3]	Lb	.630	.531	.986	.864	.708	.816	.617	.801
Nickel in pigs, ingots, shot, etc.	Lb	1.30	1.88	3.17	2.81	2.33	2.31	2.46	2.01
Tin bars, blocks, pigs, etc. (Malaysia)	Lb	1.66	3.35	7.75	5.89	6.00	5.52	5.37	3.15

[1] Excludes latex (liquid). [2] Clean content. [3] Metal content. [4] Testing 25° API or more.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule B Commodity, By Country*, Report FT 446, annual; and *U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin*, Report FT 246, annual.

Digitized by Google

No. 745. Import Price Indexes—Selected Commodities: 1980 to 1987

[Index values are given for the June quarter of each year. Indexes are weighted by the 1980 Tariff Schedule of the United States Annotated, a scheme for describing and reporting product composition and value of U.S. imports. Import prices are based on U.S. dollar prices paid by importer. F.o.b. = Free on board; c.i.f. = Cost, insurance, and freight]

COMMODITY	Unit	1980	1982	1983	1984	1985	1986	1987
All commodities	Sept. 1982 = 100	(NA)	(NA)	97.2	98.3	93.0	83.2	95.3
Food	Sept. 1977 = 100	104.4	91.5	97.9	103.5	98.8	104.7	102.0
Meat	June 1977 = 100	139.4	141.8	137.9	133.8	118.2	118.5	135.9
Meat and edible meat offals, fresh, chilled or frozen	Sept. 1977 = 100	158.0	158.7	158.7	151.0	132.7	128.6	147.8
Meat and edible meat offals, prepared or preserved, n.e.s.[1]; fish extracts	June 1977 = 100	107.1	112.6	100.9	104.2	93.6	102.8	117.1
Dairy products and eggs	June 1981 = 100	(NA)	103.4	101.5	99.8	97.9	107.1	119.6
Fish	June 1977 = 100	124.4	135.8	133.9	134.2	129.4	144.8	187.4
Shellfish, fresh, chilled, frozen, salted, or dried, c.i.f.	June 1977 = 100	123.2	149.0	154.8	156.5	146.2	162.4	178.0
Fish in airtight containers, c.i.f.	June 1977 = 100	109.5	109.2	100.2	100.2	96.8	102.5	114.5
Bakery goods [2]	Sept. 1977 = 100	131.1	137.4	131.0	134.8	132.3	149.2	165.2
Fruits and vegetables	June 1977 = 100	100.2	111.9	132.0	135.8	129.4	119.4	125.4
Sugar [3]	Mar. 1982 = 100	(NA)	82.7	117.2	120.3	122.6	121.8	128.8
Coffee, tea, cocoa	June 1977 = 100	87.9	50.0	52.6	62.4	56.0	69.2	49.3
Beverages and tobacco	June 1977 = 100	136.3	153.0	153.8	156.3	157.1	165.5	174.1
Beverages	June 1977 = 100	136.3	153.0	153.5	153.8	154.3	163.9	174.6
Alcoholic	June 1977 = 100	136.3	153.0	153.5	153.4	154.2	163.8	174.2
Wine of fresh grapes, c.i.f.	June 1977 = 100	152.8	165.5	164.9	158.5	162.8	179.2	196.0
Beer, c.i.f.	Sept. 1981 = 100	(NA)	101.7	101.8	102.8	104.7	107.8	116.3
Spirits, c.i.f.	June 1977 = 100	139.2	187.2	188.8	171.8	170.2	178.1	185.5
Crude materials	Sept. 1983 = 100	(NA)	(NA)	(NA)	102.8	93.8	95.3	105.8
Crude rubber [4]	Mar. 1984 = 100	(NA)	(NA)	(NA)	93.7	76.4	75.5	84.5
Wood	Sept. 1981 = 100	(NA)	95.7	124.2	103.2	106.9	106.3	112.0
Lumber	Sept. 1981 = 100	(NA)	95.4	126.3	104.4	108.1	107.4	113.1
Pulp and waste paper	Dec. 1981 = 100	(NA)	96.0	80.3	96.1	80.4	79.9	104.6
Crude minerals	Dec. 1983 = 100	(NA)	(NA)	(NA)	96.2	101.7	100.0	98.4
Metalliferous ores and metal scrap	Mar. 1984 = 100	(NA)	(NA)	(NA)	102.8	87.8	95.8	100.0
Ores and concentrates of base metals, n.e.s.[1]	Mar. 1984 = 100	(NA)	(NA)	(NA)	104.1	84.4	103.0	106.3
Crude vegetable and animal materials, n.e.s.[1]	Mar. 1984 = 100	(NA)	(NA)	(NA)	100.8	104.9	104.4	120.3
Fuels and related products	June 1982 = 100	(NA)	100.0	87.6	88.0	80.9	37.5	54.8
Crude petroleum and petroleum products	June 1982 = 100	(NA)	100.0	87.8	88.1	81.8	38.1	55.2
Crude petroleum	June 1977 = 100	244.0	253.8	219.7	218.5	206.8	85.9	126.8
Natural gas and LNG	Sept. 1981 = 100	(NA)	99.8	89.4	86.8	70.2	55.8	47.5
Fats and oils	Sept. 1983 = 100	(NA)	(NA)	(NA)	141.8	78.7	39.3	54.5
Chemicals and related products	Sept. 1982 = 100	(NA)	(NA)	100.0	100.8	94.9	93.3	98.8
Intermediate manufactured products	Dec. 1977 = 100	141.9	137.8	136.2	139.6	132.4	135.8	147.4
Leather and furskins	June 1977 = 100	141.8	135.8	133.2	145.3	133.3	143.0	156.6
Rubber manufactures	June 1977 = 100	138.3	148.7	142.6	140.8	136.8	137.7	140.5
Cork and wood manufactures	June 1977 = 100	130.1	126.9	134.3	131.0	121.2	134.3	151.8
Paper and paperboard products	June 1977 = 100	132.8	149.9	142.8	150.4	157.2	157.1	185.0
Paper and paperboard	June 1977 = 100	131.9	149.7	141.8	149.7	157.4	155.8	163.8
Newsprint, c.i.f.	June 1977 = 100	132.8	151.4	141.9	150.5	160.0	158.7	168.0
Textiles	June 1977 = 100	132.9	130.3	128.0	130.1	127.5	132.9	140.4
Non-metallic mineral manufactures	June 1977 = 100	158.5	157.3	166.2	166.8	151.8	169.6	190.3
Iron and steel	Sept. 1978 = 100	119.4	127.9	114.8	123.8	120.1	118.1	127.1
Non-ferrous metals	Dec. 1981 = 100	(NA)	87.4	97.2	96.3	82.3	78.9	90.9
Silver platinum and other metals of platinum group, c.i.f.	Mar. 1982 = 100	(NA)	87.8	129.8	118.1	80.5	93.8	124.1
Copper	June 1977 = 100	125.3	106.2	110.7	101.0	97.8	101.3	105.3
Nickel, c.i.f.	Mar. 1982 = 100	(NA)	98.2	81.1	82.1	88.8	73.2	69.8
Zinc	June 1977 = 100	102.5	97.8	103.1	142.8	122.0	92.4	112.8
Tin, c.i.f.	Dec. 1977 = 100	140.2	106.2	110.0	102.8	98.0	46.3	57.1
Metal manufactures, n.e.s.[1]	June 1977 = 100	123.9	125.1	119.3	120.5	117.8	127.8	134.5
Machinery and transport equipment	June 1981 = 100	(NA)	103.2	104.3	104.1	102.8	115.3	126.1
Machinery specialized for particular industries	Dec. 1981 = 100	(NA)	102.8	104.2	100.0	97.0	115.4	129.5
Metalworking machinery	Mar. 1980 = 100	100.7	100.8	97.5	93.8	90.5	107.7	126.1
General industrial machinery, parts n.e.s.[1]	June 1981 = 100	(NA)	98.2	95.8	94.4	91.1	109.0	123.0
Office machines [5]	Mar. 1980 = 100	100.4	95.9	95.3	96.7	89.4	101.3	108.4
Telecommunications [6]	Mar. 1980 = 100	101.5	99.8	97.2	94.8	88.8	91.8	95.5
Electric machinery and equipment	Dec. 1981 = 100	(NA)	98.1	98.4	91.2	83.9	87.5	94.8
Road vehicles and parts	June 1981 = 100	(NA)	105.7	107.4	110.4	112.1	127.1	139.2
Misc. manufactured articles	Mar. 1980 = 100	99.1	100.1	100.4	101.5	98.0	104.8	118.1
Plumbing, heating and lighting fixtures	June 1980 = 100	100.0	104.6	107.3	112.0	114.1	123.5	130.8
Furniture and parts	June 1980 = 100	100.0	101.1	98.2	98.0	94.4	102.2	108.7
Footwear, c.i.f.	June 1977 = 100	139.8	139.0	134.8	140.8	136.7	142.2	153.3
Professional, scientific and controlling instruments and apparatus	Dec. 1979 = 100	104.8	104.7	99.4	97.8	92.3	112.5	129.5
Photographic apparatus [7]	Mar. 1980 = 100	101.8	95.7	91.5	92.8	89.5	103.2	114.4
Misc. manufactured articles, n.e.s.[1]	June 1982 = 100	(NA)	100.0	107.7	104.0	95.2	103.4	121.8

NA Not available. [1] N.e.s. = not elsewhere specified. [2] Includes pasta products, grain and grain preparations. [3] Includes sugar preparations and honey. [4] Includes synthetic and reclaimed rubber. [5] Includes automatic data processing equipment. [6] Includes sound recording and reproducing equipment. [7] Includes photographic supplies, optical goods, watches and clocks.

Source: U.S. Bureau of Labor Statistics, *News*, quarterly.

Digitized by Google

No. 746. Export Price Indexes—Selected Commodities: 1980 to 1987

[Index values are given for **June quarter** of each year. Indexes are weighted by 1980 export values according to the Schedule B classification system of the U.S. Bureau of the Census. Prices used in these indexes were collected from a sample of U.S. manufacturers of exports and are f.o.b. (free on board) factory transaction prices, except as noted]

COMMODITY	Unit	1980	1982	1983	1984	1985	1986	1987
All commodities	**Sept. 1983 = 100**	(NA)	(NA)	(NA)	**101.5**	**97.5**	**96.7**	**99.9**
Food	Mar. 1983 = 100	(NA)	(NA)	105.1	109.8	94.0	89.5	83.4
Meat	Mar. 1983 = 100	(NA)	(NA)	100.5	108.7	104.7	114.7	129.0
Fish	Mar. 1983 = 100	(NA)	(NA)	96.5	98.7	103.6	108.2	122.9
Grain and grain preparations	Mar. 1980 = 100	93.9	93.4	103.5	107.4	90.3	79.1	66.5
Wheat	Mar. 1980 = 100	92.3	87.3	91.1	89.5	80.5	68.2	65.4
Rice	Dec. 1983 = 100	(NA)	(NA)	(NA)	94.8	91.1	57.5	52.2
Barley, f.o.b.	Mar. 1980 = 100	94.2	100.0	89.5	108.2	83.3	61.5	72.0
Corn, yellow, f.o.b.	Mar. 1980 = 100	95.6	100.0	115.4	125.8	99.8	91.3	89.2
Yellow sorghum, f.o.b	Mar. 1980 = 100	97.0	97.9	117.2	114.4	92.5	84.0	67.6
Fruits and vegetables	Mar. 1983 = 100	(NA)	(NA)	105.8	126.9	120.2	125.8	130.8
Feed stuff for animals	Mar. 1983 = 100	(NA)	(NA)	100.6	98.8	68.6	85.5	93.7
Miscellaneous food products	Mar. 1983 = 100	(NA)	(NA)	101.1	110.8	109.2	104.7	110.0
Beverages and tobacco	June 1983 = 100	(NA)	(NA)	100.0	101.9	100.1	98.5	104.0
Beverages	Sept. 1983 = 100	(NA)	(NA)	(NA)	102.9	105.3	103.0	104.8
Tobacco and tobacco products	June 1983 = 100	(NA)	(NA)	100.0	101.8	99.6	95.9	104.0
Crude materials	June 1983 = 100	(NA)	(NA)	100.0	118.3	96.8	95.6	106.4
Raw hides and skins	June 1980 = 100	100.0	116.7	118.2	154.7	126.2	148.9	191.2
Oilseeds and oleaginous fruit	Sept. 1977 = 100	74.0	77.0	75.0	104.3	71.2	65.8	68.6
Crude rubber, f.a.s.[1]	Sept. 1983 = 100	(NA)	(NA)	(NA)	108.0	106.3	106.1	111.8
Wood	June 1977 = 100	156.8	135.4	127.1	129.4	125.7	128.7	146.2
Pulp and waste paper	June 1983 = 100	(NA)	(NA)	100.0	122.1	96.1	109.7	138.7
Textile fibers	June 1977 = 100	112.9	106.1	111.3	125.8	105.8	98.6	115.0
Cotton	June 1977 = 100	112.6	96.3	105.8	124.3	95.8	86.9	105.9
Raw cotton	June 1977 = 100	112.3	96.1	105.8	123.7	95.0	86.7	105.9
Crude minerals and fertilizers	June 1977 = 100	131.7	151.1	145.0	147.7	167.9	186.1	155.1
Crude fertilizers	June 1977 = 100	130.9	131.9	115.5	114.5	112.3	113.7	110.9
Metal ores and scrap	Sept. 1983 = 100	(NA)	(NA)	(NA)	98.5	82.0	80.5	90.7
Scrap metal (iron or steel) f.a.s.[1]	June 1977 = 100	137.1	103.6	106.3	124.5	110.8	106.2	106.6
Ores and concentrates of base metals, n.e.s.[1], f.a.s.[1]	Sept. 1983 = 100	(NA)	(NA)	(NA)	98.0	88.0	87.5	62.8
Nonferrous base metal waste and scrap, n.e.s.[1], f.a.s.[1]	Mar. 1983 = 100	(NA)	(NA)	116.5	118.4	96.9	100.5	126.9
Fuels and related products	Sept. 1983 = 100	(NA)	(NA)	(NA)	99.7	99.2	86.7	84.4
Bituminous coal, f.a.s.[1]	June 1981 = 100	(NA)	105.0	90.3	87.3	84.8	79.3	74.6
Lubricating oils, f.a.s.[1]	Sept. 1983 = 100	(NA)	(NA)	(NA)	102.1	100.9	84.6	87.1
Petroleum coke, tars, and mineral waxes	Dec. 1983 = 100	(NA)	(NA)	(NA)	103.5	110.8	94.0	97.8
Natural gas, f.a.s.[1]	Sept. 1983 = 100	(NA)	(NA)	(NA)	100.4	96.4	81.3	(NA)
Fats and oils	June 1983 = 100	112.6	112.6	100.0	184.5	144.5	67.5	93.7
Vegetable oils	June 1983 = 100	(NA)	(NA)	100.0	176.4	164.8	95.3	94.7
Chemicals and related products	Mar. 1983 = 100	(NA)	(NA)	96.4	99.7	96.8	95.4	103.1
Organic chemicals	Dec. 1983 = 100	(NA)	(NA)	(NA)	101.0	96.5	89.3	114.3
Hydrocarbons, n.e.s.[1] and derivatives f.a.s.[1]	Dec. 1978 = 100	178.5	154.0	146.2	149.1	135.1	111.2	195.9
Alcohols, phenols, phenol-alcohols, and derivatives, f.a.s.[1]	June 1977 = 100	151.4	144.2	136.5	138.0	133.9	130.0	147.0
Carboxylic acids, f.a.s.[1]	June 1977 = 100	151.2	150.6	144.3	155.8	151.6	143.7	151.3
Fertilizers, manufactured	Mar. 1983 = 100	(NA)	(NA)	88.9	96.9	87.9	84.0	80.4
Pesticides, starches, glue, gas and oil additives, chemical materials and products, n.e.s.[1]	Mar. 1984 = 100	(NA)	(NA)	(NA)	100.2	102.5	105.1	101.9
Intermediate manufactured products	Sept. 1981 = 100	(NA)	97.7	100.4	101.3	99.2	101.2	106.8
Leather and fur skins	Sept. 1979 = 100	80.4	69.7	67.2	81.2	79.2	82.5	101.1
Rubber manufactures	June 1977 = 100	123.4	146.2	144.8	147.5	149.0	150.0	153.9
Paper and paperboard products	June 1978 = 100	130.4	139.5	135.8	154.7	151.8	158.7	177.7
Textiles:								
Woven man-made fabric, f.a.s.[1]	Dec. 1978 = 100	110.7	133.3	134.7	141.3	140.6	141.3	146.2
Non-metallic mineral manufactures:								
Glassware	June 1977 = 100	137.2	169.4	163.5	188.0	198.6	204.9	212.3
Iron and steel	Mar. 1982 = 100	(NA)	100.5	95.9	96.1	95.3	99.4	101.5
Non-ferrous metals	Sept. 1981 = 100	(NA)	85.4	102.8	92.9	79.6	79.1	90.2
Metal manufactures, n.e.s.[1]	Mar. 1982 = 100	(NA)	101.5	104.5	105.2	105.2	105.5	105.6
Machinery and transport equipment [2]	Dec. 1978 = 100	112.8	132.6	135.3	139.4	142.9	144.2	146.8
Power generating machinery [3]	Dec. 1978 = 100	118.8	149.0	152.5	156.9	167.4	169.2	172.8
Internal combustion piston engines, parts	June 1978 = 100	122.0	151.5	159.7	165.7	186.6	187.9	171.0
Electric motors, generators, and other rotating plant, f.o.b., factory	June 1977 = 100	130.4	146.0	147.8	147.7	155.9	157.8	162.6
Machinery specialized for particular industries	Sept. 1978 = 100	119.8	145.9	148.9	152.8	155.7	154.7	156.0
Agricultural machinery and parts [4]	Sept. 1978 = 100	113.2	135.0	145.9	152.2	155.2	156.3	156.6
Tractors,[5] f.o.b., factory	June 1977 = 100	138.9	158.4	163.9	167.4	170.2	(NA)	(NA)
Civil engineering and contractors, plant and equipment [4]	June 1977 = 100	134.6	173.0	169.6	173.2	174.6	172.8	172.1
Metalworking machinery	June 1978 = 100	120.8	146.1	148.4	151.2	155.1	158.9	165.8
General industrial machines, parts, n.e.s.[1]	Sept. 1978 = 100	117.3	142.6	145.0	149.0	152.0	153.3	157.8
Office machines [3]	June 1977 = 100	100.7	105.0	103.6	101.5	100.0	99.2	98.0
Telecommunications [3]	June 1977 = 100	117.8	128.2	131.1	132.3	133.3	137.0	140.8
Electrical machinery, equipment	June 1977 = 100	100.3	108.6	108.5	112.6	116.1	114.2	117.3
Road vehicles and parts	Mar. 1980 = 100	103.3	121.2	125.6	131.2	133.9	136.4	138.5
Other transport equipment [6]	June 1977 = 100	127.8	166.5	175.8	187.7	196.9	206.8	214.7

NA Not available. [1] F.a.s. = free alongside ship. N.e.s. = not elsewhere specified. [2] Excludes military and commercial aircraft. [3] Includes equipment. [4] Excludes tractors. [5] Tractors are fitted with or without power take-offs, winches or pulleys. [6] Includes parts. [7] Includes data processing equipment. [8] Includes sound recording and reproducing equipment.

Source: U.S. Bureau of Labor Statistics, *News*, quarterly.

Digitized by Google

No. 747. Selected Mineral Products—Average Prices: 1973 to 1986

[Represents average price except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M96, 139, 146, 209, 248, and 262]

Mineral	Unit	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel
Aluminum [1]	Cents/lb	25.3	39.6	51.6	54.0	61.0	71.8	76.0	78.0	77.6	61.0	81.0	81.0
Bituminous coal [2 3]	Dol./sh. ton	6.53	19.23	19.82	21.76	23.65	24.52	26.29	27.14	25.85	25.51	25.10	24.50
Cobalt [4]	Dol./lb	3.00	3.98	5.58	[5] 6.40	24.58	25.00	14.58	6.56	5.76	10.40	11.43	7.49
Copper, electrolytic	Cents/lb	59.5	64.2	66.8	66.5	93.3	101.3	84.2	72.8	78.5	66.8	67.0	66.1
Gold	Dol./fine oz	98	161	148	194	308	613	460	376	424	361	316	368
Lead (NY)	Cents/lb	16.3	21.5	30.7	33.7	52.6	42.5	36.5	25.5	21.7	25.6	19.1	22.1
Natural gas [3 6]	Dol./1,000 cu. ft.	.22	.45	.79	.91	1.18	1.59	1.98	2.46	2.59	2.66	2.51	1.87
Nickel [7]	Dol./lb	1.53	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26	1.86
Petroleum, crude [3]	Dol./bbl	3.69	7.67	8.57	9.00	12.64	21.59	31.77	28.52	26.19	25.88	24.09	12.66
Platinum [8]	Dol./troy oz	150	164	162	237	352	439	475	475	475	475	475	519
Silver	Dol./fine oz	2.56	4.42	4.62	5.40	11.09	20.63	10.52	7.95	11.44	6.14	6.14	5.47
Tungsten concentrate [9]	Dol./lb	2.71	5.30	9.15	8.22	8.40	6.38	7.96	6.35	4.70	5.18	4.22	3.21
Zinc [10]	Cents/lb	20.7	39.0	34.4	31.0	37.3	37.4	44.6	38.5	41.4	48.6	40.4	38.0

[1] 99.5 percent primary aluminum ingot. [2] Average value at point of production; includes Alaska. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review*. [3] Includes subbituminous coal and lignite. [4] Weighted average based on the market price quoted by a major U.S. cobalt dealer, otherwise based on range of prices. [5] Represents low price for year. Price ranged from low 6.40 lb. to 20.00 per lb. [6] Average value of marketed production. [7] 1973–1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, includes U.S. duty f.o.b. Port Colborne, Ontario; thereafter, from New York dealer. [8] Producer prices. [9] Average value of shipments. [10] Delivered price.

Source: 1973 compiled from *Metals Week* (copyright); *Producer Prices and Price Indexes* (U.S. Bureau of Labor Statistics), *Minerals Yearbook* and *Mineral Commodity Summaries* (U.S. Bureau of Mines); thereafter, except as noted, *Minerals Yearbook*.

No. 748. Commodity Research Bureau Futures Price Index: 1974 to 1986

[**1967 = 100.** Index computed daily. Represents unweighted geometric average of commodity futures prices (through 12 months forward) of 27 major commodity futures markets. Represents end of year index]

Item	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All commodities	203.5	191.0	204.7	200.3	227.6	281.5	308.5	254.9	234.0	277.6	244.2	229.2	209.1
Imported	274.1	259.4	348.1	334.6	345.0	425.3	426.0	357.0	269.0	326.0	291.7	398.2	321.2
Industrial	132.1	154.8	173.6	175.0	222.1	354.6	324.8	249.2	249.9	249.0	217.0	211.7	210.4
Grains	240.2	195.6	192.5	179.0	187.6	251.9	312.1	251.3	215.1	249.6	224.9	198.5	184.8
Oilseeds	289.2	181.6	229.7	208.6	240.6	258.1	314.6	271.0	236.9	316.6	273.5	245.4	189.6
Livestock and meats	175.2	180.8	162.5	166.9	196.4	195.0	217.4	195.3	219.9	229.7	240.6	206.9	200.2
Metals (precious) [1]	(NA)	141.0	149.5	163.8	230.4	658.0	531.4	319.7	366.0	328.5	243.3	256.6	296.8

NA Not available. [1] Prior to 1979, index for metals only.

Source: Commodity Research Bureau, Inc. (CRB), New York City, NY, *CRB Commodity Index Report*, weekly. (Copyright.)

No. 749. Food Prices—Farm Value and Retail Price for Selected Items: 1975 to 1986

[**In dollars per retail unit indicated.** The farm value is the payment to farmers for the quantity of farm products equivalent to the unit sold at retail minus imputed value of byproducts. Because of losses from processing, waste, and spoilage, the farm value represents larger quantities than the retail unit]

Food item	Unit	Farm value					Retail price				
		1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
Beef, choice	Lb	.99	1.45	1.40	1.27	1.24	1.55	2.38	2.40	2.33	2.31
Pork	Lb	.80	.63	.77	.71	.82	1.35	1.40	1.62	1.62	1.78
Broilers	Lb	.37	.39	.44	.40	.46	.63	.73	.61	.76	.84
Eggs, grade A	Doz	.51	.51	.66	.52	.54	.77	.84	1.01	.80	.67
Milk, sold in stores	½ gal	.41	.56	.58	.56	.55	.79	1.05	1.13	1.13	1.11
Bread, white [1]	Lb	.07	.05	.05	.05	.04	.41	.51	.54	.55	.57
Potatoes, Northeast white round	10 lb	(NA)	.62	.68	.37	.50	(NA)	1.80	1.91	1.60	1.56
Oranges, California	Lb	(NA)	.05	.17	.12	.08	(NA)	.36	.50	.53	.48
Lettuce, California [2]	Lb	(NA)	.05	.04	.07	.06	(NA)	.46	.50	.53	.54
Orange juice, frozen	12 oz	(NA)	.36	.49	.62	.39	(NA)	.88	1.22	1.32	1.07
Tomatoes, California [3]	Lb	(NA)	.05	.05	.05	.05	(NA)	.42	.53	.52	.51

NA Not available. [1] Beginning 1980, farm value includes value for wheat, lard, soybean oil, high fructose corn syrup, and soy-whey blend. [2] Farm value represents value in the field. Harvesting and packing, a contract operation, appears as processing or packing cost. [3] Whole canned tomatoes.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review, 1986*

Digitized by Google

NO. 750. RETAIL CONSUMER PRICE INDEXES OF FOOD—SELECTED AREAS: 1970 TO 1986

[1967 = 100. See headnote, table 741 and text, section 15 regarding SMSA's]

CITY/SMSA	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total food [1]	**114.9**	**175.4**	**234.5**	**254.6**	**274.6**	**285.7**	**291.7**	**302.9**	**309.8**	**319.7**
Anchorage, AK	(NA)	167.6	227.2	242.2	253.6	260.4	266.8	275.8	284.3	296.5
Atlanta, GA	114.8	181.8	238.2	257.3	279.8	291.6	299.8	310.3	319.0	334.6
Baltimore, MD	117.4	178.2	235.8	254.9	272.4	279.0	287.4	300.7	309.8	324.2
Boston, MA	114.9	175.2	229.0	245.3	259.7	265.4	271.7	286.1	297.8	311.3
Buffalo, NY	116.2	173.6	226.8	246.1	267.6	276.5	283.0	291.0	300.4	307.9
Chicago, IL-Northwestern IN	115.4	175.1	236.8	258.2	273.1	279.5	281.2	288.6	294.8	307.9
Cincinnati, OH-KY-IN	114.9	177.4	244.4	265.3	286.8	299.5	306.7	321.9	324.4	332.4
Cleveland, OH	117.5	175.8	236.3	254.2	276.3	285.9	296.4	309.1	315.6	319.5
Dallas-Ft. Worth, TX	114.8	172.5	235.8	257.7	278.3	289.2	300.0	314.2	322.1	334.1
Denver-Boulder, CO	(NA)	171.4	230.1	248.0	258.0	265.5	274.5	288.2	293.2	295.1
Detroit, MI	115.2	171.6	226.5	245.2	264.2	274.3	273.7	279.8	284.4	295.4
Honolulu, HI	114.1	176.7	239.8	259.9	285.8	298.8	306.7	319.7	332.2	339.0
Houston, TX	115.5	181.2	248.3	270.6	296.6	311.1	320.1	336.7	339.0	346.8
Kansas City, MO-KS	116.1	177.8	239.2	259.8	275.3	282.4	286.7	298.8	306.3	316.1
Los Angeles-Long Beach-Anaheim, CA	112.2	170.1	229.5	248.7	268.7	281.9	291.3	300.0	307.0	315.8
Miami, FL [2]	(NA)	(NA)	121.3	130.6	140.9	149.4	153.6	160.2	161.3	165.3
Milwaukee, WI	113.1	171.9	234.9	250.7	273.5	283.5	287.0	294.4	305.3	310.7
Minneapolis-St. Paul, MN-WI	116.5	178.9	244.4	264.8	280.4	291.6	300.1	313.6	321.0	329.1
New York, NY-Northeast, NJ	117.9	179.6	232.6	253.9	276.9	290.8	295.2	309.4	320.3	334.8
Northeast, PA	115.7	172.9	228.1	248.1	264.5	273.7	277.9	289.6	298.3	308.9
Philadelphia, PA-NJ	115.8	179.6	239.7	259.1	278.7	294.1	300.7	308.2	316.0	324.1
Pittsburgh, PA	115.6	177.4	233.5	254.5	274.1	285.9	294.8	293.8	297.0	305.1
Portland, OR-WA	110.9	168.4	233.6	250.3	269.9	284.2	291.6	302.5	309.9	316.8
St. Louis, MO-IL	115.4	174.3	234.7	252.3	270.9	281.2	288.7	298.7	306.1	317.9
San Diego, CA	113.8	173.7	236.0	257.8	276.6	291.1	308.6	322.8	329.4	341.8
San Francisco-Oakland, CA	112.5	171.2	233.1	250.4	268.5	286.2	292.7	306.8	312.8	323.2
Seattle-Everett, WA	113.5	169.6	225.4	243.2	263.7	283.4	287.8	292.2	296.9	307.1
Washington, DC-MD-VA	117.3	180.7	245.7	264.1	277.7	291.4	299.0	308.7	317.9	329.4

NA Not available. [1] 1970 and 1975 based on 56 areas; beginning 1979, 85 areas. Excludes Portland, Oregon through 1975. [2] November 1977 = 100.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

NO. 751. WEEKLY FOOD COST FOR FAMILIES, BY TYPE OF FAMILY: 1975 TO 1987

[In dollars. As of **December**, except as indicated. Based on moderate-cost food plan; assumes all meals are eaten at home or taken from home]

URBAN FAMILY TYPE	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	
										Jan.	May
Couple, 20–54 years old [1]	37.10	47.50	52.00	53.40	54.60	54.70	56.50	58.30	60.40	61.30	62.40
Couple, 55 years and over [1]	32.40	41.80	45.90	47.10	48.10	52.00	53.90	55.70	57.80	58.70	59.80
Couple with children:											
1 child, 1–5 years old	44.90	57.30	62.90	64.70	66.00	66.90	69.20	71.30	73.90	75.00	76.30
1 child, 15–19 years old	53.50	68.00	74.80	76.80	78.50	77.80	80.50	83.00	85.80	87.10	88.70
2 children, 1–5 years old	51.80	65.90	72.80	74.70	76.20	77.80	80.50	82.90	85.80	87.10	88.70
2 children, 6–11 years old	63.00	79.90	88.10	90.70	92.60	93.50	97.10	99.80	103.30	104.70	106.80
2 children, 12–19 years old	67.20	85.20	93.80	96.50	98.60	98.00	101.60	104.60	108.20	109.80	111.80

[1] Beginning 1983, costs based on revised food plans with age groups 20–50 years old and 51 years old and over.

Source: U.S. Dept. of Agriculture, Human Nutrition Information Service. 1975, *Food and Home Notes*, weekly; thereafter, *News Feature*, weekly.

NO. 752. SELECTED AGRICULTURAL COMMODITY PRICES RECEIVED BY FARMERS: 1981 TO 1986

[Minus sign (–) indicates decrease]

COMMODITY	Unit	PRICE						PERCENT CHANGE				
		1981	1982	1983	1984	1985	1986	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986
American cheese	Cents per lb	139.4	138.3	136.3	136.0	127.7	127.3	– 8	-	– 2	– 7.5	– 3
Beef	Dol. per 100 lb	56.60	56.70	55.50	57.30	53.70	52.60	– 3.2	– 2.1	3.2	– 6.3	– 2.0
Broilers	Cents per lb	28.4	26.9	28.6	33.7	30.1	34.5	– 5.3	6.3	17.8	– 10.7	14.6
Calves	Dol. per 100 lb	64.00	59.80	61.70	59.90	62.10	61.10	– 6.6	3.2	– 2.9	3.7	– 1.8
Eggs	Cents per doz	63.1	59.5	61.1	72.3	57.1	61.6	– 5.7	2.7	18.3	– 21.0	7.9
Hogs and pigs	Dol. per 100 lb	43.90	52.30	46.80	47.10	44.00	49.30	19.1	– 10.5	6	– 6.6	12.0
Rice, rough	Dol. per 100 lb	9.05	8.11	8.76	8.06	6.62	[1] 3.93	– 10.4	8.0	– 8.0	– 17.9	– 40.6
Sheep and lambs	Dol. per 100 lb	76.10	72.60	69.60	78.50	91.60	94.60	– 4.6	– 4.1	9.9	19.7	3.3
Turkeys	Cents per lb	39.2	39.5	38.0	48.9	49.1	47.1	3.4	– 3.8	28.7	.4	– 4.1
Wheat	Dol. per bu	3.66	3.55	3.53	3.38	3.15	2.34	– 3.0	– .6	– 4.2	– 6.8	– 25.7
Whole milk [2]	Cents per qt	48.3	48.1	48.4	49.2	48.7	48.4	– .4	.6	1.7	– 1.0	– .6

– Represents zero. [1] Marketing year average price. [2] Sold to consumers.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly. Also, *Meat Animals—Production, Disposition, and Income*, annual, and annual livestock summaries. *Milk Production, Disposition, and Income*, annual; and *Poultry—Production, Disposition, and Income*; and *Turkeys*.

Digitized by Google

No. 753. Seafood Prices: 1970 to 1984

[**Cents per pound. Live weight.** 1979-1984 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970*, series L 321-337]

SPECIES	1970	1975	1978	1979	1980	1981	1982	1983	1984
Fish:									
Cod	13.1	24.2	25.4	29.3	27.3	33.0	36.2	33.9	37.9
Flounder	15.3	34.9	50.5	47.2	42.4	57.9	56.7	54.0	96.5
Haddock	25.8	32.8	31.9	42.6	38.7	39.4	49.5	58.6	71.5
Menhaden	1.8	2.7	3.8	4.2	4.5	3.8	3.8	4.0	4.0
Ocean perch	4.9	10.3	17.1	21.0	23.0	26.3	27.4	26.8	26.8
Salmon, chinook	55.4	85.9	133.8	173.5	166.3	182.5	182.3	127.3	173.1
Salmon, coho	39.3	77.6	118.6	142.5	109.7	94.5	99.4	66.5	90.5
Tuna, albacore	26.7	33.3	60.6	64.7	80.1	91.0	69.1	61.6	82.3
Shellfish:									
Clams, soft	47.5	86.9	124.3	144.6	150.7	156.7	152.3	174.8	222.8
Crabs, blue, hard	6.6	15.7	20.5	19.1	20.3	23.4	32.2	29.1	29.0
Lobsters, American	94.7	161.5	177.1	180.3	189.7	206.6	221.8	233.1	252.2
Oysters, eastern	61.1	80.1	110.7	125.9	131.3	128.2	129.5	144.3	211.4
Sea scallops	135.6	186.6	253.5	340.3	404.2	406.8	364.2	570.0	560.3
Shrimp	47.6	107.0	130.6	185.4	149.0	152.4	206.2	216.2	173.2

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised); *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 754. Median Purchase Price of Existing One-Family Houses: 1980 to 1986

[**In thousands of dollars, except percent.** Represents SMSA unless specified; see Appendix II. Minus sign (–) indicates decrease]

METROPOLITAN AREA	PRICE							AVERAGE ANNUAL PERCENT CHANGE	
	1980	1981	1982	1983	1984	1985	1986	1980–1985	1985–1986
Atlanta, GA	81.8	88.3	96.0	97.5	98.3	106.7	119.8	5.5	12.3
Baltimore, MD	69.5	82.5	76.6	79.6	84.5	101.4	123.7	7.9	22.0
Boston-Lawrence-Lowell, MA–NH SCSA	70.5	77.5	77.5	91.0	102.5	127.3	153.4	12.6	20.5
Chicago-Gary, IL–IN SCSA	78.0	80.9	87.6	92.6	90.7	98.7	113.3	4.8	14.8
Cleveland-Akron-Lorain, OH SCSA	65.8	73.4	75.1	73.3	73.2	73.6	84.4	3.0	14.4
Columbus, OH	65.7	82.6	78.6	77.7	72.7	79.4	85.1	3.9	7.2
Dallas, TX	69.4	107.4	97.2	104.5	109.2	124.1	130.5	6.8	5.2
Denver-Boulder, CO	80.0	79.8	85.4	119.3	115.3	131.6	152.7	10.5	16.0
Detroit-Ann Arbor, MI SCSA	87.9	77.3	85.0	73.8	75.3	78.4	82.0	2.9	4.6
Greensboro-Winston Salem-High Point, NC	63.6	64.5	70.1	74.6	70.6	82.4	88.7	5.3	7.6
Honolulu, HI	119.3	117.6	129.1	135.0	138.7	150.6	161.6	4.8	7.3
Houston-Galveston, TX SCSA	85.7	87.6	90.2	101.8	94.8	101.1	114.2	3.4	13.0
Indianapolis, IN	60.3	69.2	70.0	71.2	67.2	71.4	81.7	3.4	14.4
Kansas City, MO–KS	64.2	76.7	80.1	78.0	80.3	90.5	97.6	7.1	7.8
Los Angeles-Long Beach-Anaheim, CA SCSA	110.7	116.2	122.3	133.4	132.0	142.9	156.1	5.2	9.2
Louisville, KY–IN	58.5	61.0	59.1	61.9	61.1	70.0	73.1	3.7	4.4
Miami-Fort Lauderdale, FL SCSA	75.3	89.5	89.0	80.6	84.7	89.3	99.3	3.5	11.2
Milwaukee-Racine, WI SCSA	84.9	79.4	85.7	80.8	82.2	83.7	88.6	–.3	5.9
Minneapolis-St. Paul, MN–WI	80.9	89.5	95.8	95.3	103.4	115.4	132.9	7.4	15.2
New York-Newark-Jersey City, NY–NJ–CT SCSA	93.8	97.1	102.7	114.6	126.5	139.4	158.0	6.3	13.3
Philadelphia-Wilmington-Trenton, PA–DE–NJ–MD SCSA	62.8	66.3	65.0	71.7	75.9	81.4	97.7	5.4	20.0
Phoenix, AZ	92.7	103.8	91.3	97.2	101.4	116.6	130.3	4.7	11.7
Pittsburgh, PA	64.6	59.2	66.6	68.0	67.7	72.5	81.9	2.3	13.0
Portland, OR–WA	75.5	61.0	95.5	81.6	86.9	92.6	110.8	4.2	19.7
Rochester, NY	57.5	59.5	67.8	72.1	73.8	84.2	91.3	7.9	8.4
St. Louis, MO–IL	58.5	71.8	63.9	71.0	73.2	75.7	81.4	6.0	7.5
Salt Lake City-Ogden, UT	73.2	64.4	86.5	78.0	92.2	92.9	120.9	4.9	30.1
San Diego, CA	105.7	107.4	118.0	124.6	122.9	141.7	148.9	6.0	5.1
San Francisco-Oakland-San Jose, CA SCSA	122.9	130.8	137.6	144.2	143.4	154.9	167.5	4.7	8.1
Seattle-Tacoma, WA SCSA	82.2	86.9	94.8	96.1	97.8	102.7	123.5	4.6	20.3
Tampa-St. Petersburg, FL	64.0	75.0	83.8	76.4	78.1	79.1	88.1	4.3	11.4
Washington, DC–MD–VA	100.1	112.3	128.4	130.0	131.7	152.6	158.6	8.8	2.6

Source: Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

Digitized by Google

No. 755. Consumer Price Indexes of Residential Rents in Selected SMSA's: 1980 to 1986

[1967 = 100. Annual averages of monthly figures, except as indicated. Minus sign (−) indicates decrease. See Appendix III]

SMSA [1]	Consumer price index						Percent change					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Area pricing schedule 1: [2]												
Anchorage, AK (Oct. 1967 = 100)	158.3	206.6	239.3	248.6	245.5	237.4	−1.7	22.2	15.8	3.9	−1.2	−3.3
Baltimore, MD	173.8	204.6	221.5	234.6	248.7	264.8	6.3	9.0	8.3	6.0	5.9	6.4
Boston, MA	196.6	245.5	262.0	277.3	299.5	321.8	6.6	10.3	6.7	5.8	8.0	7.4
Cincinnati, OH-KY-IN	169.1	191.8	200.2	208.8	217.4	228.1	9.0	4.5	4.4	4.3	4.1	4.9
Denver-Boulder, CO	196.8	228.5	244.0	255.5	262.4	265.9	10.7	11.5	6.8	4.7	2.7	1.3
Miami, FL	124.2	150.0	155.7	156.6	160.3	163.6	13.7	6.3	3.6	.7	2.2	2.1
Milwaukee, WI	179.6	208.6	221.0	231.1	243.6	254.9	6.5	6.4	5.6	4.6	5.4	4.6
Northeast, PA	220.7	238.1	251.7	260.2	275.3	285.1	6.5	3.8	5.7	3.4	5.6	3.6
Portland, OR-WA	202.6	222.5	227.1	231.7	241.9	251.0	7.5	2.5	2.1	2.0	4.4	3.8
St. Louis, MO-IL	165.6	191.8	202.4	213.3	225.7	237.3	11.1	7.0	5.5	5.4	5.8	5.1
San Diego, CA	225.3	263.5	286.4	313.6	347.4	374.0	9.6	8.3	8.7	9.5	10.8	7.7
Seattle-Everett, WA	226.1	245.2	247.6	254.8	265.9	278.3	15.9	2.3	1.0	2.9	4.4	4.7
Washington, DC-MD-VA	197.2	233.8	251.2	266.3	287.6	305.1	8.8	6.5	7.4	6.0	8.0	6.1
Area pricing schedule 2: [3]												
Atlanta, GA	168.2	199.9	214.2	226.4	245.0	262.1	10.4	6.1	7.2	5.7	8.2	7.0
Buffalo, NY	177.2	195.6	206.5	216.0	228.6	239.6	4.7	5.6	5.6	4.6	5.9	4.8
Cleveland, OH	170.9	190.5	199.6	207.7	218.6	229.4	7.6	6.0	4.9	4.0	5.2	4.9
Dallas-Fort Worth, TX	191.2	228.6	247.7	259.8	270.7	280.0	10.8	6.3	8.4	4.9	4.2	3.4
Honolulu, HI	206.1	240.7	253.0	269.0	281.9	297.3	10.0	7.1	5.1	6.3	4.8	5.5
Houston, TX	182.8	223.6	230.4	225.5	220.5	219.5	6.2	12.5	3.0	−2.1	−2.2	−.5
Kansas City, MO-KS	160.3	187.2	199.2	212.7	226.9	235.4	7.4	7.6	6.4	6.8	6.7	3.7
Minneapolis-St. Paul, MN-WI	195.2	231.1	244.5	254.4	270.9	284.1	11.0	7.6	5.6	4.0	6.5	4.9
Pittsburgh, PA	185.3	211.6	223.6	231.0	243.4	257.2	6.6	6.6	5.7	3.3	5.4	5.7
San Francisco-Oakland, CA	214.3	256.6	284.4	308.3	333.3	361.1	12.6	9.6	9.9	8.4	8.1	8.3

[1] See headnote, table 741 and text, section 15. [2] Collected in odd months. [3] Collected in even months.

No. 756. Consumer Price Indexes of Fuels and Utilities: 1970 to 1986

[1967 = 100. Represents all urban consumers. Annual averages for cities combined. See text, section 15. See also *Historical Statistics, Colonial Times to 1970*, series E 203–211]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Consumer price index, all items	116.3	161.2	195.4	217.4	246.8	272.4	289.1	298.4	311.1	322.2	328.4
Fuels and other utilities	107.8	167.8	216.0	239.3	278.6	319.2	350.8	370.3	387.3	393.6	384.7
Gas (piped) and electricity	107.3	169.6	232.8	257.8	301.8	345.9	393.8	428.7	445.2	452.7	446.7
Utility (piped) gas	108.5	172.5	283.1	305.3	363.9	414.9	497.2	580.1	584.4	580.4	552.0
Gasoline, regular and premium	105.6	170.8	196.3	265.6	369.1	410.9	389.3	376.3	370.2	373.3	291.4
Electricity (composite)	106.2	167.0	203.4	219.1	253.4	291.5	320.3	330.8	351.8	364.1	369.0
Fuel oil, coal, and bottled gas	110.1	235.3	298.3	403.1	556.0	675.9	667.9	626.0	641.8	619.5	501.5
Fuel oil No. 2	109.3	230.6	296.9	416.8	579.7	709.2	693.9	637.7	651.0	625.0	489.6
Telephone services, residential	102.5	125.3	132.8	132.4	135.7	147.7	162.8	173.3	187.8	195.1	204.6
Water and sewer service, residential	120.4	169.9	232.8	243.3	259.6	290.9	325.5	352.6	375.8	398.3	419.6

Source of tables 755 and 756: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, January issues.

No. 757. Average Price of Residential Utility (Piped) Gas, Electricity, and Fuel Oil No. 2 in Selected Areas: 1985 and 1986

[In dollars per unit shown. One therm contains approximately 100 cubic feet of natural gas. As of January. See Appendix III]

Standard metropolitan statistical area	Utility (piped) gas (100 therms)		Electricity (500 kWh)		Fuel oil No. 2 (gallon)		Standard metropolitan statistical area	Utility (piped) gas (100 therms)		Electricity (500 kWh)		Fuel oil No. 2 (gallon)	
	1985	1986	1985	1986	1985	1986		1985	1986	1985	1986	1985	1986
U.S. city average [1]	61.88	58.70	40.12	40.88	1.075	.835	L.A., Long Beach-Anaheim	64.95	65.72	40.08	43.17	(NA)	(NA)
Anchorage	31.51	34.90	36.11	38.29	1.115	.954	Miami	67.88	56.73	48.07	45.43	(NA)	(NA)
Atlanta	63.67	63.88	34.59	36.17	1.094	.759	Milwaukee	67.08	64.06	37.09	37.78	.997	.821
Baltimore	65.40	65.10	41.68	41.60	1.082	.874	Minn.-St. Paul	59.28	53.33	34.32	36.32	1.056	.826
Boston	74.65	70.67	42.36	43.28	1.120	.831	New York	81.23	79.01	64.65	63.65	1.127	.895
Buffalo	64.49	61.65	38.69	41.80	1.017	.860	Northeast PA	71.94	66.78	41.69	44.64	1.005	.767
Chicago	54.22	48.45	50.92	52.82	1.132	.885	Philadelphia	73.69	70.64	46.76	52.12	1.062	.859
Cincinnati	58.45	55.16	37.49	37.36	1.052	.807	Pittsburgh	61.56	60.06	40.67	42.36	.972	.730
Cleveland	52.67	51.11	46.10	49.76	1.093	.884	Portland, OR	65.79	62.43	24.06	24.54	1.007	.706
Dallas [2]	49.77	45.49	41.75	38.61	(NA)	(NA)	St. Louis	60.56	53.94	36.50	41.30	1.029	.737
Denver-Boulder	54.25	51.22	41.06	39.64	(NA)	(NA)	San Diego	69.67	64.96	64.41	59.63	(NA)	(NA)
Detroit	63.87	58.20	41.79	45.65	1.090	.925	San Francisco-Oakland	60.01	35.05	40.87	39.83	(NA)	(NA)
Honolulu [3]	149.94	129.61	42.65	42.65	(NA)	(NA)	Seattle-Everett	65.58	57.08	21.19	16.92	1.143	.809
Houston	49.39	42.17	42.33	38.24	(NA)	(NA)	Wash., DC	73.90	71.05	36.50	38.92	1.149	.903
Kansas City	45.73	41.73	36.72	36.32	(NA)	(NA)							

NA Not available. [1] Excludes Honolulu. [2] Includes Ft. Worth. [3] Prices are for synthetic natural gas and propane only.

Source: U.S. Bureau of Labor Statistics, *CPI Detailed Report*, monthly.

Digitized by Google

No. 758. Average Monthly Residential, Commercial, and Industrial Bills for Electricity: 1960 to 1986

[In dollars. As of January 1. Represents composite averages, derived using census data; for 1960 data, the 1970 census was used; thereafter, 1980 Census was used. Residential, for cities of 2,500 or more population; commercial and industrial, for 455 large cities in United States and Puerto Rico. kW = Kilowatts; kWh = Kilowatt-hours. See source for coverage detail]

ITEM	1960	1984	1985	1986, prel.
RESIDENTIAL				
Average bill, dollars:				
500 kWh	27.80	40.18	41.86	42.54
750 kWh	36.94	54.76	57.88	58.79
1,000 kWh	46.79	72.77	76.37	77.50
Average bill, cents per kWh:				
500 kWh	5.6	8.0	8.4	8.5
750 kWh	4.9	7.3	7.7	7.8
1,000 kWh	4.9	7.3	7.8	7.8
COMMERCIAL				
Average bill, dollars:				
6 kW, 750 kWh	57	75	80	78
12 kW, 1,500 kWh	114	154	163	163
30 kW, 6,000 kWh	385	534	576	581
40 kW, 10,000 kWh	590	825	893	869
COMMERCIAL—Con.				
Average bill, cents per kWh:				
6 kW, 750 kWh	7.5	10.0	10.7	10.5
12 kW, 1,500 kWh	7.6	10.3	10.9	10.8
30 kW, 6,000 kWh	6.4	8.9	9.6	9.4
40 kW, 10,000 kWh	5.9	8.3	8.9	8.7
INDUSTRIAL				
Average bill, dollars:				
150 kW, 30,000 kWh	1,757	2,500	2,732	2,656
300 kW, 60,000 kWh	3,431	4,891	5,353	5,208
1,000 kW, 200,000 kWh	10,910	15,789	17,012	16,652
Average bill, cents per kWh:				
150 kW, 30,000 kWh	5.9	8.3	9.1	8.9
300 kW, 60,000 kWh	5.7	8.2	8.9	8.7
1,000 kW, 200,000 kWh	5.5	7.9	8.5	8.3

No. 759. Net Monthly Residential Electric Bills (Range of Lowest to Highest) for 750 Kilowatt-Hours Use, 1970 to 1986, and by State, 1986

[In dollars. Based on rates as of January 1 for communities of 2,500 inhabitants or more. Beginning 1980, bill does not include water heating usage. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Lowest bill	Highest bill
1970	5.63	34.00
1975	6.75	59.09
1979	7.02	78.26
1980	7.92	92.79
1981	8.73	105.86
1982	8.25	119.53
1983	8.25	119.53
1984	8.25	117.03
1985	13.75	115.15
1986, U.S.	**13.35**	**117.22**
Region:		
Northeast	13.65	117.22
Midwest	22.68	93.03
South	24.48	88.02
West	13.35	109.56
N. Eng.:		
ME	42.86	68.06
NH	51.99	87.43
VT	41.30	89.95
MA	40.50	83.98
RI	60.25	73.41
CT	59.82	77.27
Mid. Atl.:		
NY	13.65	117.22
NJ	54.12	87.03
PA	25.50	76.68
E. No. Cent.:		
OH	32.07	71.68
IN	35.69	80.03
IL	39.50	75.30
MI	27.50	71.85
WI	30.73	52.22
W. No. Cent.:		
MN	22.68	56.38
IA	26.25	66.19
MO	25.73	64.82
ND	29.10	51.64
SD	23.63	70.15
NE	29.45	56.15
KS	33.26	93.03
So. Atl.:		
DE	50.56	73.82
MD	41.73	69.95
DC	42.85	42.85
VA	36.04	57.50
WV	37.79	54.17
NC	43.81	71.64
SC	40.45	66.35
GA	29.00	64.75
FL	39.45	87.27
E. So. Cent.:		
KY	33.24	53.96
TN	33.91	41.38
AL	34.64	55.53
MS	36.51	63.25
W. So. Cent.:		
AR	30.45	61.37
LA	31.25	86.02
OK	33.78	76.72
TX	24.48	79.54
Mt.:		
MT	29.25	56.49
ID	27.60	41.43
WY	30.00	50.61
CO	23.75	64.86
NM	44.64	72.48
AZ	26.35	83.82
UT	24.48	67.81
NV	23.75	66.91
Pac.:		
WA	13.35	40.83
OR	17.75	39.93
CA	31.35	74.98
AK	23.70	75.70
HI	75.19	109.56

Source of tables 758 and 759: Through 1975, U.S. Federal Power Commission, *Typical Electric Bills*, annual; thereafter, U.S. Energy Information Administration, *Typical Electric Bills* and unpublished data.

No. 760. Average Prices of Selected Fuels and Electricity: 1973 to 1986

[In dollars per unit, except electricity, in cents per kWh. Represents price to end-users, except as noted]

ITEM	Unit [1]	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Crude oil, composite [2]	Barrel	4.15	10.38	12.46	17.72	28.07	35.24	31.87	28.99	28.63	26.75	14.55
Motor gasoline: [3]												
Leaded regular	Gallon	.39	.57	.63	.86	1.19	1.31	1.22	1.18	1.13	1.12	.86
Unleaded regular	Gallon	(NA)	(NA)	.67	.90	1.25	1.38	1.30	1.24	1.21	1.20	.93
Unleaded premium	Gallon	(NA)	(NA)	(NA)	(NA)	(NA)	1.47	1.42	1.36	1.37	1.34	1.09
No. 2 heating oil	Gallon	(NA)	(NA)	.40	.52	.79	.91	.91	.92	.92	.85	.56
No. 2 diesel fuel	Gallon	(NA)	(NA)	.38	.59	.82	1.00	.94	.83	.82	.79	.48
Residual fuel oil	Gallon	(NA)	(NA)	.30	.44	.81	.76	.68	.65	.69	.61	.34
Natural gas, residential	1,000 cu. ft.	1.29	1.71	2.56	2.98	3.68	4.29	5.17	6.06	6.12	6.12	5.82
Electricity, residential	kWh	2.54	3.51	4.31	4.64	5.36	6.20	6.86	7.18	7.54	7.79	7.41

NA Not available. [1] See headnote. [2] Refiner acquisition cost. [3] Average, all service.

Source: U.S. Energy Information Administration, *Monthly Energy Review*.

Digitized by Google

NO. 761. SALES PRICE OF MOTOR GASOLINE, BY GRADE, AND STATE: 1986 AND 1987

[In cents per gallon. As of March. Represents all refinery and gas plant operators' sales through company-operated retail outlets. Gasoline prices exclude excise taxes]

STATE	Gasoline excise taxes 1986 [1]	TOTAL		LEADED REGULAR		UNLEADED REGULAR		PREMIUM	
		1986	1987	1986	1987	1986	1987	1986	1987
United States	(X)	66.6	64.0	61.3	60.4	66.8	62.7	77.9	74.6
Alabama	[2] 13.0	66.7	66.2	62.9	60.6	70.3	66.3	(NA)	75.3
Alaska	8.0	118.6	85.3	116.7	89.0	116.5	82.3	(D)	91.3
Arizona	16.0	75.8	72.4	69.8	68.3	77.5	72.2	93.3	84.0
Arkansas	13.5	62.4	60.2	59.5	56.9	63.6	60.6	71.2	68.3
California	[2] 9.0	70.6	68.8	63.2	63.5	71.2	67.5	86.6	81.5
Colorado	18.0	58.6	62.2	54.6	57.5	60.6	63.6	66.5	72.4
Connecticut	17.0	82.5	68.6	70.5	61.5	82.1	65.9	91.7	77.0
Delaware	11.0	67.3	64.6	62.5	60.2	65.0	62.2	80.2	73.4
District of Columbia	15.5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	[2] 9.6	71.9	62.5	63.5	56.8	71.7	61.0	84.0	74.6
Georgia	7.5	67.8	64.2	59.8	56.2	67.5	62.3	79.9	76.9
Hawaii	[3] 11.0	94.5	83.6	86.2	74.4	97.3	86.0	107.2	(D)
Idaho	14.5	70.0	62.6	66.8	60.9	70.7	62.8	84.9	80.7
Illinois	[2] 13.0	63.9	66.1	58.8	67.4	63.5	62.7	68.8	75.2
Indiana	14.0	57.6	81.7	54.8	58.9	57.2	61.4	62.6	66.8
Iowa	16.0	61.5	63.9	60.1	61.9	61.9	64.9	66.1	67.3
Kansas	11.0	62.2	62.7	61.4	60.6	61.4	62.7	65.9	69.2
Kentucky	15.0	63.0	63.4	56.6	59.0	64.3	62.2	72.4	73.2
Louisiana	16.0	69.4	61.3	62.1	56.3	68.6	59.3	80.5	70.3
Maine	14.0	79.1	71.4	75.0	66.5	78.5	69.8	89.7	81.4
Maryland	13.5	72.3	63.8	67.8	59.4	71.0	61.5	82.7	72.5
Massachusetts	11.0	79.1	(NA)	71.7	(NA)	77.1	(NA)	90.1	(NA)
Michigan	15.0	62.0	59.9	57.6	57.6	62.3	58.9	71.7	70.6
Minnesota	17.0	67.3	63.6	64.0	61.2	66.8	64.1	72.4	68.6
Mississippi	[2] 9.0	66.0	67.1	62.9	62.5	66.8	67.5	79.0	75.0
Missouri	7.0	59.7	62.7	57.1	59.8	60.4	62.3	71.2	72.0
Montana	17.0	63.1	61.9	63.2	61.3	62.7	62.1	64.4	64.6
Nebraska	19.0	62.5	67.8	60.8	67.9	63.4	67.3	65.4	69.1
Nevada	[3] 11.25	73.4	61.4	66.6	57.8	75.7	62.1	87.1	71.4
New Hampshire	14.0	80.0	(NA)	73.8	(NA)	79.0	(NA)	89.8	79.5
New Jersey	8.0	77.6	67.3	70.1	59.4	74.4	62.3	88.0	79.5
New Mexico	11.0	74.4	64.6	72.9	61.0	74.7	65.3	87.3	74.4
New York	[2] 8.0	73.3	65.9	68.8	61.9	72.1	63.5	85.7	76.0
North Carolina	15.5	64.6	64.4	57.1	57.9	64.3	62.9	77.8	74.6
North Dakota	13.0	70.9	66.8	73.7	65.8	70.7	67.1	64.6	70.0
Ohio	12.0	62.3	65.7	56.3	60.7	61.5	63.6	77.8	78.6
Oklahoma	10.0	54.3	61.2	52.0	58.3	54.6	60.8	60.9	69.0
Oregon	[3] 11.0	71.6	60.1	68.4	57.6	73.4	60.3	84.2	72.4
Pennsylvania	12.0	66.3	62.6	64.7	58.2	66.7	59.9	79.7	74.7
Rhode Island	13.0	74.9	68.1	68.8	61.0	72.5	64.8	82.1	74.6
South Carolina	13.0	60.6	62.9	54.6	57.5	60.9	62.4	71.8	72.9
South Dakota	[3] 13.0	69.6	63.5	68.4	63.8	70.8	62.9	77.2	74.8
Tennessee	[3] 17.0	64.3	61.7	57.5	56.2	65.5	60.6	76.3	72.4
Texas	10.0	68.7	62.0	62.6	58.0	67.9	60.5	81.6	72.1
Utah	14.0	58.8	61.7	57.5	58.7	59.3	62.1	65.7	70.4
Vermont	13.0	79.7	73.8	73.3	67.0	79.8	72.1	90.2	84.1
Virginia	[2] 15.0	75.1	65.3	67.3	58.9	75.4	62.7	86.1	76.6
Washington	18.0	67.3	61.4	61.9	57.7	69.3	61.1	80.9	73.3
West Virginia	10.5	70.1	68.5	65.1	63.7	69.9	67.3	83.0	78.1
Wisconsin	17.5	62.0	62.2	60.6	60.3	61.9	61.6	71.3	70.6
Wyoming	8.0	75.1	66.1	70.8	65.0	70.8	65.4	(D)	79.0

D Withheld to avoid disclosure of data. NA Not available. X Not applicable. [1] Source: U.S. Advisory Committee on Intergovernmental Relations, *Significant Features of Fiscal Federalism, 1986–87 Edition*, based on CCH, *State Tax Reporter*. [2] Plus local taxes, if any.

Source: Except as noted, U.S. Energy Information Administration, *Petroleum Marketing Monthly*.

Digitized by Google



Section **16**

Banking, Finance and Insurance

This section presents data on the Nation's finances, various types of financial institutions, money and credit, securities, and insurance. The primary sources of these data are publications of several departments of the Federal Government, especially the Treasury Department, and independent agencies such as the Federal Deposit Insurance Corporation, the Federal Reserve System, and the Securities and Exchange Commission. National data on insurance are available primarily from private organizations, such as the American Council of Life Insurance.

Flow of funds.—The flow of funds accounts of the Federal Reserve System (see tables 765 to 769) bring together statistics on all of the major forms of financial transactions and financial claims to present an economy-wide view of asset and liability relationships. In flow form, the accounts relate borrowing and lending to one another and to the nonfinancial activities that generate income and production. Each claim outstanding is included simultaneously as an asset of the lender and as a liability of the debtor. The accounts also indicate the balance between asset totals and liability totals over the economy as a whole. Several publications of the Board of Governors of the Federal Reserve System contain information on the flow of funds accounts: Summary data on flows, in the *Federal Reserve Bulletin, Flow of Funds Accounts* (quarterly), and *Annual Statistical Digest;* and concepts and organization of the accounts, in *Introduction to Flow of Funds* (June 1980).

Banking system.—Banks in this country are organized under the laws of both the States and the Federal Government and are regulated by several bank supervisory agencies. State- chartered banks are supervised by officials of the respective States. National banks are supervised by the Comptroller of the Currency. *Reports of Condition* have been collected from national banks since 1863. Summaries of these reports are published in the Comptroller's *Annual Report,* which also presents data on the structure of the national banking system.

The Federal Reserve System was established in 1913 to exercise central banking functions, some of which are shared with the U.S. Treasury. It includes national banks and such State banks as voluntarily join the System. Statements of State bank members are consolidated by the Board of Governors of the Federal Reserve System with data for national banks collected by the Comptroller of the Currency into totals for all member banks of the System. Balance sheet data for member banks and other commercial banks are published quarterly in the *Federal Reserve Bulletin.*

The Federal Deposit Insurance Corporation (FDIC), established in 1933, insures each depositor up to $100,000 currently in banks that are members of the Federal Reserve System and in such nonmember banks as join the insurance fund. Major item balance sheets for all commercial banks are published monthly in the *Federal Reserve Bulletin.*

Savings institutions and other credit agencies.—Savings institutions, insurance companies, finance companies dealing primarily in installment sales financing, credit unions, and personal loan companies represent important sources of funds for the credit market. Savings institutions are primarily involved in credit extension in the form of mortgage loans. Statistics on savings institutions are collected by the Federal Home Loan Bank Board. Statistics on loans, investments, cash, etc., of life insurance companies are published principally by the American Council of Life Insurance in its *Life Insurance Fact Book.* Consumer credit data are published currently in the *Federal Reserve Bulletin.*

Federally chartered credit unions are under the supervision of the National Credit Union Administration, established in 1970. State-chartered credit unions are supervised by the respective State supervisory authorities. The Administration publishes comprehensive program and statistical information on all Federal and federally insured State credit unions in the *Annual Report of the National Credit Union Administration.* Deposit insurance (up to $100,000 per account) is provided to members of all Federal and those State credit unions that are federally-insured by the National Credit Union Share Insurance Fund which was established in 1970. Deposit insurance for State chartered

Digitized by Google

credit unions is also available in some States under private or State- administered insurance programs.

Government corporations and credit agencies make available credit of specified types or to specified groups of private borrowers, either by lending directly or by insuring or guaranteeing loans made by private lending institutions. Data on operations of Government credit agencies, along with other Government corporations, are available in reports of individual agencies; data on their debt outstanding are published in the *Federal Reserve Bulletin.*

Currency.—Currency, including coin and paper money, represents more than one-fourth of all media of exchange in the United States, with most payments made by check. All currency is now issued by the Federal Reserve Banks.

Securities.—The Securities and Exchange Commission (SEC) was established in 1934 to protect the interests of the public and investors against malpractices in the securities and financial markets and to provide the fullest possible disclosure of information regarding securities to the investing public.

Insurance.—Insuring companies, which are regulated by the various States or the District of Columbia, are classified as either life or property. Companies that underwrite accident and health insurance only and those that underwrite accident and health insurance in addition to one or more property lines are included with property insurance. Insuring companies, other than those classified as life, are permitted to underwrite one or more property lines provided they are so licensed and have the necessary capital or surplus.

There are a number of published sources for statistics on the various classes of insurance—life, health, fire, marine, and casualty. Individual States collect data on all insurers operating within their respective jurisdictions, and many of the States publish an annual insurance report giving individual company data and aggregates of certain items for the companies operating within the State. Organizations representing certain classes of insurers publish reports for these classes. Among them are the annual commercial publishers, such as The National Underwriter Company whose *Argus Health Chart* (annual) contains financial and operating data for individual health and accident insurance companies, including Blue Cross and Blue Shield Plans. The American Council of Life Insurance publishes statistics on life insurance purchases, ownership, benefit payments, and assets in its annual *Life Insurance Fact Book.*

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 762. Gross National Product in Finance, Insurance, and Real Estate in Current and Constant (1982) Dollars: 1970 to 1986

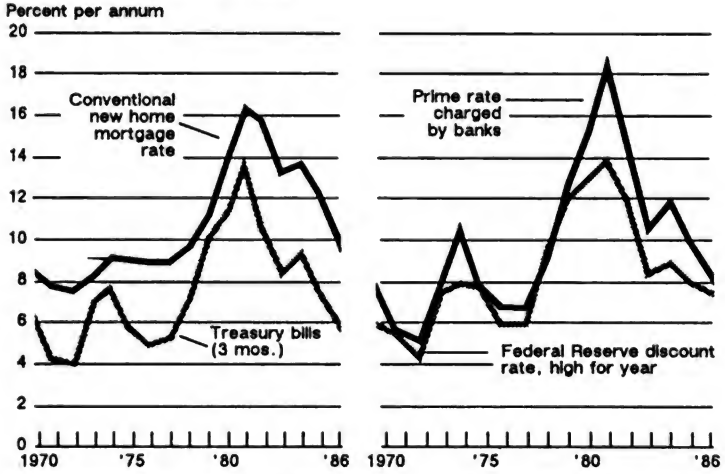
[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

Industry	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS										
Finance, insurance, real estate, total	**145.8**	**221.7**	**363.3**	**400.6**	**449.3**	**475.1**	**536.4**	**572.8**	**622.8**	**686.0**
Percent of gross national product	14.4	13.9	14.5	14.7	14.7	15.0	15.8	15.2	15.5	16.4
Banking	18.4	25.8	45.8	51.1	54.4	59.8	66.1	70.6	66.9	69.0
Credit agencies other than banks	1.7	3.3	7.2	5.5	6.5	5.4	10.6	9.8	12.5	14.6
Security and commodity brokers, and services	3.3	5.0	7.7	9.7	11.4	13.1	20.7	19.7	25.1	32.9
Insurance carriers	11.6	17.2	34.0	37.0	34.7	29.8	36.5	34.9	38.8	53.6
Insurance agents and brokers, and services	4.8	7.8	12.9	14.4	15.5	17.0	17.6	20.1	22.5	25.7
Real estate	105.4	161.8	254.7	281.5	318.7	342.7	374.2	409.1	441.3	483.2
Holding and other investment companies	.6	.7	.9	1.3	8.1	7.2	8.7	8.5	13.6	15.8
CONSTANT (1982) DOLLARS										
Finance, insurance, real estate, total	**320.7**	**387.6**	**458.2**	**464.3**	**474.2**	**475.1**	**489.0**	**506.8**	**523.6**	**551.3**
Percent of gross national product	13.3	14.4	14.4	14.6	14.6	15.0	14.9	14.5	14.5	14.8
Banking	38.2	46.4	54.2	56.7	58.9	59.8	60.5	61.0	61.9	63.0
Credit agencies other than banks	3.4	4.1	5.1	5.2	5.4	5.4	6.0	6.8	7.0	7.7
Security and commodity brokers, and services	9.1	7.9	9.4	10.7	12.1	13.1	14.9	16.1	16.9	18.6
Insurance carriers	21.3	25.3	26.6	26.6	28.9	29.8	30.1	31.5	33.6	37.7
Insurance agents and brokers, and services	13.7	16.0	17.9	17.3	17.1	17.0	17.4	17.9	19.6	21.6
Real estate	232.2	283.4	337.8	339.6	345.3	342.7	352.7	365.3	375.6	393.1
Holding and other investment companies	2.8	4.5	6.2	6.3	6.5	7.2	7.4	8.2	8.9	9.7

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July issues.

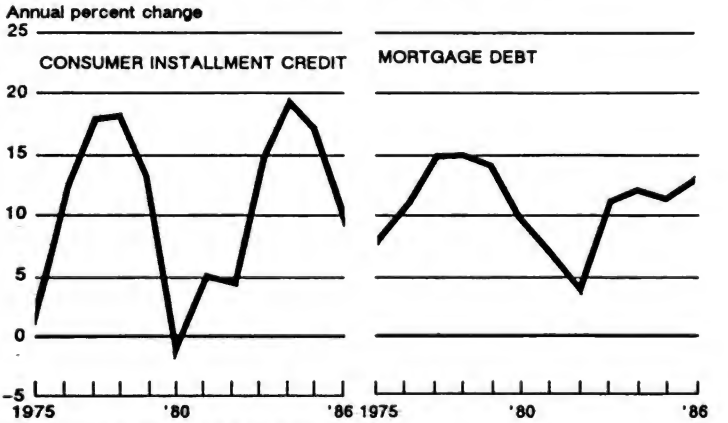
Digitized by Google

Figure 16.1
Interest Rates: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 803 and 805.

Figure 16.2
Consumer Installment Credit Outstanding and Mortgage Debt Outstanding–Annual Percent Changes: 1975 to 1986



Note: Represents change in amounts outstanding.
Source: Chart prepared by U.S. Bureau of the Census. For data see tables 793 and 795.

Digitized by Google

No. 763. Persons Working in Finance, Insurance, and Real Estate Industries: 1970 to 1986

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Finance, insurance, real estate, total	**3,749**	**4,405**	**5,305**	**5,481**	**5,622**	**5,725**	**5,909**	**6,137**	**6,363**	**6,644**
Banking	1,010	1,225	1,430	1,497	1,554	1,580	1,586	1,600	1,625	1,653
Credit agencies other than banks	350	426	533	546	563	564	620	686	734	807
Security and commodity brokers, and services	219	192	228	259	292	317	360	390	409	449
Insurance carriers	986	1,053	1,196	1,225	1,238	1,236	1,236	1,249	1,276	1,336
Insurance agents and brokers, and services	355	440	539	553	598	623	628	655	686	719
Real estate	777	967	1,263	1,286	1,259	1,273	1,344	1,407	1,470	1,503
Holding and other investment companies	52	82	114	115	120	132	135	150	163	177

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 764. Finance, Insurance, and Real Estate—Establishments, Employees, and Payroll: 1980 to 1985

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC [1] code	INDUSTRY	ESTABLISHMENTS			EMPLOYEES (1,000)			Payroll, 1985 (bil. dol.)
		1980	1984	1985	1980	1984	1985	
(H)	**Finance, insurance, real estate**	**420,976**	**477,750**	**487,750**	**5,278**	**5,783**	**6,004**	**131.7**
60	Banking [2]	46,184	51,358	52,215	1,497	1,589	1,588	30.4
601	Federal reserve banks	50	82	86	21	24	24	.6
602	Commercial and stock savings banks	41,906	46,372	47,174	1,360	1,432	1,451	27.6
603	Mutual savings banks	2,229	2,433	2,476	59	69	(D)	(D)
605	Functions closely related to banking	1,630	2,165	2,177	28	39	(D)	(D)
61	Credit agencies other than banks [2]	60,339	60,372	61,145	588	700	743	15.0
612	Savings and loan associations	15,065	17,495	17,766	295	302	322	5.7
613	Agricultural credit institutions	1,360	1,321	1,305	16	19	18	.4
614	Personal credit institutions	36,133	30,481	29,923	218	212	217	4.1
615	Business credit institutions	2,416	2,979	2,933	50	65	73	1.9
616	Mortgage bankers and brokers	4,652	7,352	8,419	63	96	105	2.7
62	Security, commodity brokers and services [2]	11,279	17,547	18,843	215	332	336	16.2
621	Security brokers and dealers	7,611	10,936	11,703	174	265	269	13.7
622	Commodity contracts brokers, dealers	863	1,111	1,020	9	15	14	.4
623	Security and commodity exchanges	110	138	124	6	7	7	.2
628	Security and commodity services	2,493	4,765	5,148	24	43	45	1.8
63	Insurance carriers [2]	33,167	37,391	34,630	1,234	1,241	1,253	28.9
631	Life insurance	15,615	15,522	14,871	563	561	565	13.0
632	Medical service and health insurance [2]	1,576	1,735	1,917	125	129	145	3.2
6321	Accident and health insurance	845	947	1,093	27	28	35	.7
6324	Hospital and medical service plans	725	780	815	97	100	109	2.4
633	Fire, marine, and casualty insurance	9,236	10,278	10,625	449	451	453	10.9
635	Surety insurance	450	527	495	8	9	9	.2
636	Title insurance	2,714	2,657	2,721	51	48	(D)	(D)
637	Pension, health, and welfare funds	3,157	6,013	3,160	33	37	22	.3
64	Insurance agents, brokers and services	78,833	94,530	96,282	463	523	553	12.0
65	Real estate [2]	169,952	189,446	198,460	989	1,051	1,145	19.4
651	Real estate operators and lessors	94,750	96,901	98,813	462	453	470	6.5
653	Real estate agents and managers	50,998	65,116	69,049	362	446	492	9.5
654	Title abstract offices	2,695	2,986	3,019	21	21	21	.4
655	Subdividers and developers [2]	13,029	15,343	17,511	111	106	130	2.5
6552	Subdividers and developers, n.e.c. [3]	7,581	9,007	10,108	72	66	87	1.8
6553	Cemetery subdividers and developers	4,292	4,621	4,526	33	33	33	.5
66	Combined real estate, insurance, etc.	8,426	5,326	4,973	30	25	24	.5
67	Holding and other investment offices [2]	13,135	19,943	19,256	140	181	193	5.4
671	Holding offices	3,605	5,262	5,664	63	86	97	3.2
672	Investment offices	754	843	803	7	8	8	.3
673	Trusts	4,240	7,521	6,280	40	46	46	.8
679	Miscellaneous investing	3,701	5,812	5,950	25	37	41	1.0
	Administrative and auxiliary	1,661	1,837	1,944	123	160	167	3.9

D Withheld to avoid disclosure of operations of individual establishments. [1] Standard Industrial Classification; see text, section 13. [2] Includes industries not shown separately. [3] N.e.c. = Not elsewhere classified.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

Digitized by Google

No. 765. Flow of Funds Accounts—Financial Assets and Liabilities of Financial and Nonfinancial Institutions, by Sector and Type of Instrument: 1986

[In billions of dollars. As of Dec. 31. Preliminary. A = Assets; L = Liabilities, SDR = Special drawing rights, IMF = International Monetary Fund. RPs = Repurchase Agreements. "N.e.c." = Not elsewhere classified]

TYPE OF INSTRUMENT	TOTAL [1]		PRIVATE DOMESTIC NONFINANCIAL INSTITUTIONS								U.S. GOVERNMENT		FINANCIAL INSTITUTIONS											
			Total		Households		Business		State and local govts.				Total		Monetary authority		Commercial banking		Nonbank finance		Federally sponsored credit agencies and mortgage pools	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Financial assets	**23,730.6**	(x)	**13,343.9**	(x)	**11,203.9**	(x)	**1,616.5**	(x)	**523.5**	(x)	**383.2**	(x)	**9,048.3**	(x)	**275.4**	(x)	**2,580.0**	(x)	**5,318.1**	(x)	**874.8**	(x)
Liabilities	(x)	**18,263.9**	(x)	**6,739.0**	(x)	**2,741.0**	(x)	**3,423.1**	(x)	**575.0**	(x)	**2,041.9**	(x)	**8,835.4**	(x)	**275.4**	(x)	**2,535.7**	(x)	**5,157.5**	(x)	**868.9**
Gold stock and SDR's	19.5	-	-	-	-	-	-	-	-	-	8.3	-	11.1	-	11.1	-	-	-	-	-	-	-
IMF position	11.7	11.7	-	-	-	-	-	-	-	-	11.8	-	-.1	-	-.1	-	-	-	-	-	-	-
Official foreign exchange	17.3	17.3	-	-	-	-	-	-	-	-	7.9	-	9.5	-	9.5	-	-	-	-	-	-	-
Treasury currency, SDR certificates	22.6	18.8	-	-	-	-	-	-	-	-	-	18.8	22.6	-	22.6	-	-	-	-	-	-	-
Checkable deposits, currency	775.5	832.5	652.6	-	523.7	-	111.3	-	17.6	-	32.8	-	66.2	832.5	-	194.7	2.5	562.9	61.1	74.9	2.7	-
Time and savings accounts	2,459.8	2,459.8	2,296.8	-	2,129.1	-	112.0	-	55.6	-	1.4	-	120.6	2,459.8	-	-	-	1,303.2	120.6	1,156.7	-	-
Fed. funds and security RP's	226.2	255.0	93.4	-	-	-	40.5	-	52.9	-	-	-	132.9	255.0	-	-	-	196.5	100.7	58.4	32.1	-
Money market fund shares	228.3	228.3	228.3	-	228.3	-	-	-	-	-	-	-	-	228.3	-	-	-	-	-	228.3	-	-
Foreign deposits	46.8	46.6	24.5	-	-	-	24.5	-	-	-	-	-	22.2	-	-	-	-	-	22.2	-	-	-
Life insurance reserves	267.2	267.2	267.2	-	267.2	-	-	-	-	-	-	10.5	-	256.7	-	-	-	-	-	256.7	-	-
Pension fund reserves	1,967.4	1,967.4	1,967.4	-	1,967.4	-	-	-	-	-	-	169.6	-	1,797.8	-	-	-	-	-	1,797.8	-	-
Interbank claims	29.1	19.5	-	-	-	-	-	-	-	-	-	-	76.6	19.5	2.8	73.8	73.8	-54.2	-	-	-	-
Corporate equities [2]	3,466.7	487.6	2,350.3	-	2,350.3	-	-	-	-	-	-	-	953.2	487.6	-	-	.1	-	953.1	487.6	-	-
Credit market instruments [3]	9,355.8	9,355.8	1,751.7	5,864.2	1,158.5	2,635.8	218.7	2,877.8	374.5	550.8	254.9	1,814.7	6,892.6	1,442.2	221.5	-	2,173.3	176.8	3,665.7	459.5	832.2	805.9
U.S. Treasury securities [4]	1,811.7	1,811.7	629.1	-	378.3	-	45.5	-	207.2	-	-	1,811.7	914.5	-	211.3	-	203.5	-	488.5	-	11.3	-
Federal agency securities [5]	803.1	803.1	295.9	-	221.0	-	1.5	-	73.4	-	-	2.9	507.2	800.1	10.1	-	113.3	-	383.5	-	2	800.1
Tax-exempt securities	723.9	723.9	276.5	723.9	260.7	82.0	8.0	118.8	7.9	523.3	-	-	447.4	-	-	-	202.8	-	244.6	-	-	-
Corporate and foreign bonds	933.0	933.0	71.7	657.3	71.7	-	-	657.3	-	-	-	-	726.4	204.2	-	-	47.3	74.9	679.1	129.3	-	-
Mortgages	2,562.8	2,562.8	236.3	2,560.1	150.3	1,890.6	-	669.4	86.0	-	54.4	(z)	2,272.2	2.8	-	-	502.5	-	1,090.4	2.8	679.2	-
Consumer credit	723.0	723.0	92.8	723.0	-	723.0	92.8	-	-	-	-	-	630.1	-	-	-	319.8	-	310.5	-	-	-
Bank loans, n.e.c.	764.2	764.2	-	701.2	-	51.5	-	649.7	-	-	-	-	718.8	36.1	-	-	718.8	-	-	36.1	-	-
Open-market paper	384.9	384.9	149.4	62.9	78.5	-	70.9	62.9	-	-	-	-	227.4	225.9	-	-	11.1	43.1	216.3	182.7	.1	-
Security credit	131.2	131.2	39.3	59.9	39.3	59.9	-	-	-	-	-	-	92.0	71.4	-	-	39.8	-	52.3	71.4	-	-
Proprietors' equity	2,404.3	-	2,404.3	-	2,404.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trade credit [6]	735.3	621.7	646.8	581.2	-	30.5	646.8	526.5	-	24.2	35.1	28.3	29.7	-	-	-	-	-	29.7	-	-	-
Taxes payable	37.1	12.0	22.9	10.2	-	-	-	10.2	22.9	-	14.2	-	-	1.8	-	-	-	4	-	1.5	-	-
Miscellaneous claims	1,529.2	1,531.4	598.5	223.5	135.9	15.0	462.6	208.5	-	-	16.6	(z)	619.2	982.8	8.0	8.9	290.8	350.2	312.6	564.7	7.9	61.0

- Represents zero. X Not applicable. Z Less than $50 million. [1] Includes "rest of world", not shown separately. [2] Assets shown at market value; nonbank finance liability is redemption value of shares of open-end investment companies. No specific liability attributed to issuers of stocks other than open-end investment companies for amounts outstanding. [3] Includes "Other loans," not shown separately. [4] Includes savings bonds and other nonmarketable debt held by public. [5] Issues by agencies in the budget and by sponsored credit agencies in financial sectors, issues backed by mortgage pools, and loan participation certificates. [6] Asset is corporate only; noncorporate credit deducted in liability total to conform to quarterly flow tables.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest.*

Digitized by Google

NO. 766. FLOW OF FUNDS ACCOUNTS—FINANCIAL ASSETS OF FINANCIAL AND NONFINANCIAL INSTITUTIONS, BY HOLDER SECTOR: 1970 TO 1986

[In billions of dollars. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series X 192, X 229, X 821, and X 835]

SECTOR	1970	1975	1980	1981	1982	1983	1984	1985	1986
All sectors	**4,654.7**	**7,077.5**	**13,098.8**	**14,200.1**	**15,338.6**	**17,028.1**	**18,690.2**	**21,232.9**	**23,730.8**
Households	2,502.7	3,552.2	6,662.2	7,176.2	7,746.3	8,527.1	9,117.3	10,234.6	11,203.9
Nonfinancial business	415.8	616.9	1,082.9	1,156.9	1,178.5	1,296.9	1,401.6	1,511.0	1,616.5
Farm	10.8	14.8	24.2	26.1	27.9	29.1	31.2	33.6	36.3
Nonfarm noncorporate	35.4	44.4	64.3	69.9	73.5	73.6	85.8	100.9	110.3
Nonfinancial corporations	369.6	557.6	994.4	1,061.0	1,077.1	1,194.2	1,284.6	1,376.5	1,469.9
U.S. Government	88.2	120.2	223.6	255.2	292.0	302.7	334.1	369.6	383.2
U.S. Government-sponsored credit agencies and mortgage pools	51.5	122.1	309.3	361.8	433.6	502.2	587.8	694.6	874.8
State and local government	71.7	128.5	216.1	223.8	246.5	284.1	330.6	448.7	523.5
Monetary authorities	86.1	144.8	173.6	182.9	194.4	203.9	218.5	243.4	275.4
Commercial banking [1]	516.7	885.7	1,481.9	1,605.9	1,700.3	1,853.7	2,083.3	2,328.4	2,580.0
Domestic commercial banks	488.9	792.4	1,266.1	1,365.2	1,471.9	1,603.2	1,801.0	1,994.1	2,171.8
Foreign banking offices in U.S.	9.3	29.2	101.2	117.3	87.3	91.9	103.4	131.1	169.8
Nonbank finance	823.0	1,343.8	2,549.1	2,618.4	3,131.9	3,555.1	3,996.3	4,629.4	5,318.1
Savings and loan associations [2]	173.0	333.1	621.9	657.8	707.6	830.3	989.6	1,072.1	1,158.3
Life insurance	200.9	279.7	464.2	507.5	567.5	632.7	692.9	788.3	880.2
Other insurance	49.9	77.3	174.3	185.6	202.8	225.3	241.0	289.9	329.8
Private pension funds	110.4	212.8	467.4	477.6	549.1	648.7	659.1	757.4	826.3
Govt. retirement funds [3]	60.3	104.8	198.1	224.2	262.5	311.2	356.6	432.1	502.7
Finance companies	64.1	99.1	205.0	230.2	242.3	269.9	306.3	357.9	412.1
Money market funds	-	3.7	74.4	181.9	206.8	162.5	209.7	207.5	228.3
Mutual savings banks [4]	79.3	121.1	171.5	175.3	174.3	194.4	204.7	218.8	239.2
Investment companies	46.8	43.0	63.7	64.0	90.0	130.1	162.5	283.0	487.6
Credit unions	18.0	36.8	69.0	72.3	82.7	98.3	113.5	137.2	165.8
Security brokers, dealers	16.2	18.5	36.1	38.8	42.9	48.0	53.5	77.1	79.2
Real estate investment trusts	3.9	14.0	3.3	3.2	3.5	3.5	5.6	8.1	8.6
Rest of the world	99.0	183.4	399.6	419.7	414.8	502.4	620.8	773.0	955.5

- Represents zero. [1] Includes other sectors not shown separately. [2] See footnote 2, table 768. [3] State and local. [4] Includes Federal savings banks insured by Federal Deposit Insurance Corporation and a few insured by Federal Savings and Loan Insurance Corporation.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

NO. 767. FLOW OF FUNDS ACCOUNTS—ASSETS AND LIABILITIES OF HOUSEHOLDS: 1970 TO 1986

[As of December 31. See also *Historical Statistics, Colonial Times to 1970*, series X 114–147]

TYPE OF INSTRUMENT	TOTAL (bil. dol.)							PERCENT DISTRIBUTION		
	1970	1975	1980	1983	1984	1985	1986	1970	1980	1986
Total financial assets	**2,502.7**	**3,552.2**	**6,662.2**	**8,527.1**	**9,117.3**	**10,234.6**	**11,203.9**	**100.0**	**100.0**	**100.0**
Deposit and market instrument [1]	796.3	1,267.3	2,181.7	2,989.1	3,421.2	3,784.2	4,039.6	31.8	32.7	36.1
Checkable deposits and currency	118.2	167.6	273.4	362.1	380.9	425.9	523.7	4.7	4.1	4.7
Small time and savings deposits	408.9	719.6	1,142.1	1,533.6	1,666.6	1,829.7	1,949.4	16.3	17.1	17.4
Money market fund shares	-	3.7	74.4	162.5	209.7	207.5	228.3	-	1.1	2.0
Large time deposits	17.4	44.5	133.1	126.1	197.5	194.6	179.7	.7	2.0	1.6
Credit market instruments	251.8	332.0	558.6	804.8	946.3	1,126.5	1,158.5	10.1	8.4	10.3
U.S. Government securities	105.8	130.7	258.4	421.0	531.8	589.9	597.4	4.2	3.9	5.3
Treasury issues	84.9	118.5	205.6	357.9	432.6	427.7	376.3	3.4	3.1	3.4
Savings bonds	52.1	67.4	72.5	71.5	74.5	79.8	83.3	2.1	1.1	.8
Other Treasury	32.8	51.1	133.1	286.5	358.2	347.9	293.0	1.3	2.0	2.5
Agency issues	20.9	12.2	52.8	63.0	99.0	162.2	221.0	.8	.8	2.0
Tax-exempt obligations	46.0	68.1	88.3	161.7	190.2	249.6	260.7	1.8	1.3	2.3
Corporate and foreign bonds	36.2	65.9	56.2	41.9	38.5	52.4	71.7	1.4	.8	.6
Mortgages	52.1	58.4	116.4	145.1	151.1	152.2	150.3	2.1	1.7	1.3
Open-market paper	11.8	8.9	39.3	35.1	34.6	82.4	78.5	.5	.6	.7
Corporate equities	728.6	641.0	1,166.7	1,454.2	1,490.7	1,948.0	2,350.3	29.1	17.5	21.0
Mutual fund shares	46.8	43.0	63.7	130.1	162.5	283.0	487.6	1.9	1.0	4.4
Other corporate equities	681.8	598.0	1,103.0	1,324.0	1,328.2	1,665.0	1,862.8	27.2	16.6	16.6
Life insurance reserves	130.7	166.5	216.4	240.8	246.0	256.7	267.2	5.2	3.2	2.4
Pension fund reserves [2]	239.2	431.7	913.9	1,358.3	1,477.2	1,738.3	1,967.4	9.6	13.7	17.6
Equity in noncorp. business	577.2	1,000.7	2,096.3	2,365.4	2,356.5	2,356.1	2,404.3	23.1	31.5	21.5
Security credit	4.4	4.5	14.8	18.8	18.1	30.6	39.3	.2	.2	.4
Miscellaneous assets	26.3	40.8	72.4	100.6	107.6	120.7	135.9	1.1	1.1	1.2
Total liabilities	**500.9**	**791.4**	**1,508.9**	**1,925.3**	**2,157.5**	**2,462.9**	**2,741.0**	**100.0**	**100.0**	**100.0**
Credit market instruments	480.1	762.2	1,451.6	1,847.5	2,082.0	2,369.7	2,635.6	95.8	96.2	96.2
Mortgages	309.0	494.5	974.8	1,213.6	1,344.8	1,493.8	1,690.6	61.7	64.6	61.7
Installment consumer credit	105.5	168.7	301.4	383.8	460.8	543.2	586.3	21.1	20.0	21.4
Other consumer credit	37.6	50.9	74.5	91.0	109.0	123.3	136.7	7.5	4.9	5.0
Tax-exempt debt	-	2.7	16.7	41.0	51.2	81.3	82.0	-	1.1	3.0
Bank loans, not elsewhere classified	8.9	13.9	29.5	41.5	36.7	44.8	51.5	1.4	2.0	1.9
Other loans	20.9	31.5	54.7	76.5	79.4	83.3	88.4	4.2	3.6	3.2
Security credit	10.4	12.1	27.2	37.7	34.6	51.3	59.9	2.1	1.8	2.2
Trade credit	5.3	9.4	17.2	24.0	25.8	28.0	30.5	1.1	1.1	1.1
Unpaid life insurance premiums [3]	5.1	7.7	12.9	16.1	15.1	13.9	15.0	1.0	.9	.5

- Represents zero. [1] Excludes corporate equities. [2] See also table 569. [3] Includes deferred premiums.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

Digitized by Google

No. 768. Flow of Funds Accounts—Assets and Liabilities of Private Nonbank Financial Institutions, by Type of Instrument: 1986

[In billions of dollars. As of Dec. 31. Preliminary. A = Assets; L = Liabilities; "N.e.c." = Not elsewhere classified; RP's = Repurchase agreements]

Type of instrument	Total [1]		Savings and loan associations [2]		Insurance companies		Private pension funds		State and local government retirement funds		Finance companies		Investment companies	
	A	L	A	L	A	L	A	L	A	L	A	L	A	L
Financial assets	**5,318.1**	(x)	**1,158.3**	(x)	**1,210.0**	(x)	**826.3**	(x)	**502.7**	(x)	**412.1**	(x)	**487.6**	(x)
Liabilities	(x)	**5,157.5**	(x)	**1,130.7**	(x)	**1,082.1**	(x)	**826.3**	(x)	**502.7**	(x)	**436.5**	(x)	**487.6**
Checkable deposits	61.1	74.9	17.2	40.3	9.0	-	4.5	-	2.8	-	7.0	-	6.5	-
Time and savings accounts	120.6	1,156.7	15.9	846.4	-	-	36.0	-	22.5	-	-	-	-	-
Fed. funds, security RP's	100.7	58.4	29.4	58.4	22.9	-	-	-	-	-	-	-	-	-
Money market fund shares	-	228.3	-	-	-	-	-	-	-	-	-	-	-	-
Foreign deposits	22.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserves:														
Life insurance	-	256.7	-	-	-	256.7	-	-	-	-	-	-	-	-
Pension fund	-	1,797.8	-	-	-	468.8	-	826.3	-	502.7	-	-	-	-
Corporate equities	953.1	487.6	-	-	155.8	-	436.6	-	180.3	-	-	-	161.2	487.6
Credit market instruments	3,665.7	459.5	963.9	144.5	925.1	-	271.5	-	297.2	-	405.1	308.8	319.9	-
Securities:														
U.S. Treasury	488.5	-	31.8	-	105.7	-	65.1	-	102.5	-	-	-	124.2	-
Federal agency	383.5	-	166.1	-	84.7	-	47.1	-	47.2	-	-	-	-	-
Tax-exempt	244.8	-	.9	-	99.1	-	-	-	.5	-	-	-	139.4	-
Corporate and foreign bonds	679.1	129.3	-	12.0	352.8	-	122.2	-	131.4	-	-	115.6	46.9	-
Mortgages	1,090.4	2.8	664.7	-	195.4	-	4.8	-	15.6	-	67.5	-	-	-
Consumer credit	310.5	-	50.6	-	-	-	-	-	-	-	162.6	-	-	-
Bank loans, n.e.c.	-	36.1	-	23.9	-	-	-	-	-	-	-	11.4	-	-
Open market paper	216.3	182.7	26.0	-	33.2	-	32.3	-	-	-	-	181.8	9.4	-
Other loans	252.6	106.6	24.0	106.6	54.0	-	-	-	-	-	174.8	-	-	-
Security credit	52.3	71.4	-	-	-	-	-	-	-	-	-	-	-	-
Trade credit	29.7	-	-	-	29.7	-	-	-	-	-	-	-	-	-
Taxes payable	-	1.5	-	-	-	.5	-	-	-	-	-	.1	-	-
Miscellaneous	312.6	564.7	131.9	41.0	67.5	356.1	77.6	-	-	-	-	127.8	-	-

- Represents zero or rounds to zero. X Not applicable. [1] Includes mutual savings banks, credit unions, real estate investment trusts, and security brokers and dealers not shown separately. [2] Includes most Federal savings banks insured by FSLIC. A few of them are included with mutual savings banks, not shown separately.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

No. 769. Flow of Funds Accounts—Credit Market Debt Outstanding: 1970 to 1986

[In billions of dollars. As of Dec. 31. "N.e.c." = Not elsewhere classified]

Item	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Credit market debt	**1,604.0**	**2,623.9**	**4,251.2**	**4,684.6**	**5,185.4**	**5,645.9**	**6,308.9**	**7,207.9**	**8,263.2**	**9,355.8**
Government	450.0	666.5	941.7	1,036.1	1,132.2	1,315.0	1,535.6	1,761.9	2,093.3	2,365.5
Federal	300.8	446.3	663.6	742.6	830.1	991.4	1,177.9	1,376.8	1,600.4	1,814.7
State and local	149.2	220.2	278.1	295.3	302.1	323.7	357.7	385.1	492.9	550.6
Non-government	1,154.0	1,957.4	3,309.5	3,646.6	4,053.2	4,330.9	4,773.3	5,446.0	6,169.9	6,990.2
Financial [1]	120.4	260.6	497.6	563.0	664.9	757.8	852.0	990.7	1,179.2	1,442.2
Sponsored credit agencies [2]	38.9	80.3	137.0	162.8	195.0	210.4	211.8	242.2	263.9	276.1
Mortgage pools	4.6	28.5	94.8	114.0	129.0	178.5	244.9	289.0	368.9	529.8
Commercial banks [3]	11.2	38.3	69.8	82.7	100.3	117.4	132.2	147.8	156.0	149.5
Savings and loan associations	11.0	19.1	50.3	57.8	73.4	75.9	73.9	99.2	115.5	144.5
Finance companies	50.8	74.9	134.8	133.3	151.7	158.5	170.1	191.2	245.0	308.8
Foreign	51.6	94.3	172.1	195.8	219.2	209.0	226.3	231.8	233.0	234.7
Private domestic nonfinancial	981.9	1,602.5	2,639.8	2,887.7	3,169.0	3,364.1	3,695.0	4,223.6	4,757.7	5,313.4
Corporations [1]	354.5	545.3	835.4	914.2	1,019.4	1,089.2	1,151.5	1,344.9	1,514.0	1,705.3
Bonds	167.3	261.0	373.5	412.0	448.2	482.0	507.5	574.1	670.6	775.9
Mortgages	58.9	86.0	78.4	80.6	78.7	77.4	80.9	81.2	81.7	83.7
Bank loans, n.e.c	103.8	169.0	269.7	295.9	339.4	378.7	399.6	476.7	515.1	583.6
Nonbank finance loans	14.0	31.9	75.4	80.8	90.2	92.3	102.4	127.8	146.1	170.3
Individuals	627.5	1,057.2	1,804.4	1,973.5	2,149.6	2,274.9	2,543.5	2,878.7	3,243.7	3,608.1
By sector:										
Households	460.1	762.2	1,329.0	1,451.8	1,577.7	1,659.8	1,847.5	2,082.0	2,369.7	2,635.6
Farm	47.4	82.0	144.8	159.8	176.4	183.2	187.5	187.5	173.2	158.2
Nonfarm noncorporate	100.0	213.1	330.8	362.2	395.5	431.9	508.5	609.1	700.8	814.3
By type of instrument:										
Mortgages	409.5	717.4	1,236.7	1,365.7	1,478.8	1,551.5	1,730.6	1,950.7	2,181.9	2,476.3
Consumer credit	143.1	219.6	371.4	375.9	398.5	418.1	474.8	569.9	666.5	723.0
Policy loans	17.0	25.5	35.9	42.8	50.0	54.2	55.2	55.6	55.5	55.3
Bank loans, n.e.c.	29.8	46.5	63.0	74.8	88.1	101.0	106.9	107.6	111.5	117.4
Other loans	28.0	45.4	83.8	96.0	115.4	120.6	132.9	143.6	147.0	154.0
Tax-exempt debt	-	2.7	13.6	16.7	21.1	29.6	41.0	51.2	61.3	82.0

- Represents zero. [1] Includes other types, not shown separately. [2] U.S. Government. [3] Includes bank affiliates.

Source: Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

Digitized by Google

No. 770. Ownership of Public Debt Securities by Private Investors: 1970 to 1986

[As of December. Par values. Estimated]

Investor	Amount (bil. dol.)							Percent distribution				
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1985	1986
Total privately held	**229.1**	**349.4**	**616.4**	**1,022.6**	**1,212.5**	**1,417.2**	**1,602.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Commercial banks [1]	62.7	85.1	112.1	188.8	183.4	192.2	230.1	27.4	24.4	18.2	13.6	14.4
Nonbank investors	166.4	264.2	504.3	833.8	1,029.1	1,225.0	1,371.9	72.6	75.6	81.8	86.4	85.6
Individuals [2]	61.2	90.8	117.1	133.4	143.8	154.8	157.0	35.4	26.0	19.0	10.9	9.8
Insurance companies	7.4	9.5	24.0	56.7	76.4	95.8	106.9	3.2	2.7	3.9	6.8	6.7
Money market funds	(NA)	(NA)	3.5	22.8	25.9	25.1	28.8	(NA)	(NA)	.6	1.8	1.8
Corporations [3]	7.3	21.3	19.3	39.7	50.1	59.0	68.8	3.2	6.1	3.1	4.2	4.3
State and local governments [4]	27.8	34.2	87.9	150.5	173.4	235.8	273.1	12.1	9.8	14.3	16.6	17.0
Foreign and international [5]	19.8	66.5	129.7	166.3	192.9	212.5	251.5	8.6	19.0	21.0	15.0	15.7
Other investors [6]	23.0	41.9	122.8	264.4	366.6	442.0	486.0	10.0	12.0	19.9	31.2	30.3

NA Not available. [1] Consists of domestically chartered banks, U.S. branches and agencies of foreign banks, NY investment companies majority owned by foreign banks, and Edge Act corporations owned by domestically chartered and foreign banks. [2] Includes partnerships and personal trust accounts. [3] Exclusive of banks and insurance companies. [4] Includes State and local pension funds. [5] Consists of the investment foreign balances and international accounts in the United States. [6] Consists of savings and loan associations, credit unions, mutual savings banks, nonprofit institutions, money market funds (for 1970 and 1975), corporate pension trust funds, and dealers and brokers. Also included are certain government deposit accounts and government-sponsored agencies.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

No. 771. Selected Financial Institutions—Number and Assets, by Asset Size: 1986

[As of December]

Asset size	Number of institutions				Assets (bil. dol.)			
	F.D.I.C.-insured commercial banks [1]	F.S.L.I.C.-insured savings institutions [2]	F.D.I.C.-insured savings banks [1]	Credit unions [3]	F.D.I.C.-insured commercial banks [1]	F.S.L.I.C.-insured savings institutions [2]	F.D.I.C.-insured savings banks [1]	Credit unions [3]
Total	**14,196**	**3,227**	**472**	**14,693**	**2,940.9**	**1,165.3**	**237.0**	**147.7**
Less than $5.0 million	221		1	10,477	.7		(Z)	14.0
$5.0 million–$9.9 million	914	392	6	1,530	7.1	6.1	(Z)	10.8
$10.0 million–$24.9 million	3,688		21	1,483	63.3		.4	23.4
$25.0 million–$49.9 million	3,684	556	45	600	132.6	20.6	1.6	20.9
$50.0 million–$99.9 million	2,899	710	85	353	201.0	50.5	6.5	24.4
$100.0 million–$499.9 million	2,236	1,156	217	238	432.1	246.0	50.1	43.1
$500.0 million or more	556	413	97	12	2,104.1	842.2	178.4	11.1
	Percent distribution							
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Less than $5.0 million	1.6		.2	71.3	(Z)		(Z)	9.5
$5.0 million–$9.9 million	6.4	12.1	1.3	10.4	.2	.5	(Z)	7.3
$10.0 million–$24.9 million	26.0		4.4	10.1	2.2		.2	15.8
$25.0 million–$49.9 million	26.0	17.2	9.5	4.1	4.5	1.8	.7	14.2
$50.0 million–$99.9 million	20.4	22.0	18.0	2.4	6.8	4.3	2.7	16.5
$100.0 million–$499.9 million	15.7	35.8	46.0	1.6	14.7	21.1	21.1	29.2
$500.0 million or more	3.9	12.8	20.6	.1	71.5	72.3	75.3	7.5

Z Less than $50 million or .05 percent. [1] Source: U.S. Federal Deposit Insurance Corporation (F.D.I.C.), unpublished data. [2] Source: U.S. League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. F.S.L.I.C. = Federal Savings and Loan Insurance Corporation. [3] Source: National Credit Union Administration, *National Credit Union Administration Yearend Statistics 1986*. Excludes nonfederally insured State chartered credit unions and federally insured corporate credit unions.

Source: Compiled from sources listed in footnotes.

No. 772. Federal Reserve Member Banks—Revenue and Expenses: 1970 to 1986

[Includes one member bank in the Virgin Islands]

Item	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Member banks	Number	5,769	5,790	5,564	5,425	5,422	5,474	5,619	5,807	5,961	6,034	5,966
Current revenue	Bil. dol.	27.9	51.4	89.1	118.9	150.8	196.8	202.3	185.8	215.8	218.9	211.8
Expenses	Bil. dol.	22.2	44.4	77.8	105.8	136.5	181.9	188.4	171.8	200.9	200.2	197.4
Net current earnings	Bil. dol.	5.7	7.0	11.3	13.1	14.2	14.7	13.9	14.0	14.7	17.8	17.3
Net income	Bil. dol.	3.8	5.5	7.8	9.2	9.9	10.6	10.7	10.8	11.2	13.5	13.4
Cash dividends declared	Bil. dol.	1.8	2.5	2.9	3.5	3.9	4.4	4.9	5.5	5.7	6.3	6.9
Capital accounts [1]	Bil. dol.	33.0	50.0	61.5	67.1	73.7	80.9	88.7	96.7	106.6	117.6	126.2
Ratios to avg. capital accounts:												
Net current earnings	Percent	17.4	13.9	18.4	19.5	19.2	18.2	15.7	14.5	13.8	15.1	13.7
Net income	Percent	11.6	11.1	12.8	13.7	13.4	13.1	12.1	11.2	10.5	11.5	10.6
Cash dividends declared	Percent	5.3	5.0	4.8	5.2	5.3	5.5	5.5	5.7	5.3	5.4	5.5

[1] Averages of amounts reported for varying call dates; for details, see source.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

Digitized by Google

No. 773. Banks, Banking Offices, and Deposits, by Insurance Status and Class of Bank: 1986

[As of June 30]

Insurance status and class of bank	Banks (number)	Banking offices (number)	Deposits (mil. dol.)				
			Total [1]	Individuals, partnerships and corporations			Government
				Total	Transaction accounts [2]	Nontransaction accounts	
Total	**14,846**	**61,538**	**2,003,400**	**1,808,205**	**503,297**	**1,304,908**	**109,478**
F.D.I.C.-insured banks [3]	14,801	61,462	2,002,757	1,807,776	503,027	1,304,749	109,474
Commercial banks	14,333	58,145	1,823,359	1,628,379	490,186	1,138,193	109,474
National banks	4,922	26,095	1,055,002	943,485	290,522	652,963	59,918
State (Federal Reserve, member bank)	1,090	6,127	246,150	212,242	72,424	139,818	12,307
State (non-Federal Reserve member)	8,321	23,923	522,206	472,649	127,238	345,411	37,248
Savings banks	468	3,317	179,397	179,397	12,841	166,556	–
Noninsured banks [4]	45	76	643	429	270	159	4
Commercial banks	42	68	643	429	270	159	4
Savings banks	3	8	(NA)	(NA)	(NA)	(NA)	(NA)

– Represents zero. NA Not available. [1] Includes other types of deposits, not shown separately. [2] A transaction account is a deposit or account on which the depositor or account holder is permitted to make withdrawals by negotiable or transferable instrument, payment orders of withdrawal, telephone transfers, or other similar devices for the purpose of making payments or transfers to others. [3] F.D.I.C. = Federal Deposit Insurance Corporation. [4] Includes only those noninsured banks for which data are available.

Source: U.S. Federal Deposit Insurance Corporation, *Data Book, Operating Banks and Branches, June 30, 1986*, vol. 1.

No. 774. Banking Offices, by Deposit Insurance Status: 1970 to 1986

[As of **December 31**. Includes Puerto Rico and outlying areas. Beginning 1982 excludes automatic teller machines that were previously being reported by many banks as branches. See also *Historical Statistics, Colonial Times to 1970*, series X 716–724]

Item	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
All banking offices	**37,166**	**47,239**	**54,926**	**57,232**	**59,348**	**57,913**	**59,050**	**60,067**	**60,890**	**61,897**
Commercial banks, total	35,585	44,917	51,586	53,649	55,749	54,829	55,960	57,010	57,784	58,565
Member, Federal Reserve System	21,989	26,526	29,163	29,965	31,414	30,921	31,946	32,809	33,654	34,542
National banks	17,191	21,073	23,307	24,217	25,221	24,867	26,080	27,037	27,844	28,218
State banks	4,798	5,453	5,856	5,748	6,193	6,054	5,866	5,772	6,010	6,324
Nonmember banks	13,596	18,391	22,425	23,684	24,335	23,909	24,014	24,201	23,910	24,023
Insured	13,332	18,043	21,993	23,186	23,788	23,314	23,380	23,535	23,910	24,023
Noninsured	264	348	432	478	547	594	634	666	(NA)	(NA)
Savings banks, total	1,581	2,322	3,338	3,583	3,599	3,084	3,090	3,057	3,126	3,332
Insured	1,223	1,897	2,840	3,066	3,217	2,733	2,760	2,728	3,126	3,332
Noninsured	358	425	498	517	382	351	330	329	(NA)	(NA)

NA Not available.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

No. 775. Changes in Number of Operating Banking Offices: 1970 to 1986

[As of **December 31**. Includes Puerto Rico and outlying areas. Beginning 1985, excludes noninsured institutions. Minus sign (–) indicates decrease]

Type of change	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Banking offices [1]	**37,166**	**47,239**	**54,926**	**57,232**	**59,348**	**57,913**	**59,050**	**60,067**	**60,890**	**61,897**
Number of banks	14,199	15,130	15,201	15,330	15,355	15,412	15,440	15,489	14,809	14,681
Number of branches [1]	22,967	32,109	39,725	41,902	43,993	42,501	43,610	44,578	46,081	47,216
Net change during year	**1,584**	**1,931**	**2,318**	**2,306**	**2,116**	**– 1,435**	**1,137**	**1,017**	**1,818**	**1,007**
Offices opened	1,864	2,224	2,891	2,800	2,901	2,387	2,119	2,338	2,874	2,756
Banks	186	277	239	271	265	379	432	486	482	396
Branches	1,678	1,947	2,652	2,529	2,636	2,008	1,687	1,852	2,392	2,360
Offices closed	280	293	573	494	785	3,822	982	1,321	1,056	1,749
Banks	165	108	244	142	240	322	404	427	496	524
Branches	115	185	329	352	545	[2] 3,500	578	894	560	1,225

[1] See headnote, table 774. [2] Includes 3,000 automatic teller machines that were previously reported as branches.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

Digitized by Google

No. 776. Bank Holding Companies—Offices, Assets, and Deposits: 1970 to 1986

[As of Dec. 31. A "bank holding company" means any company which has control over any bank or over any company that is, or becomes, a bank holding company by virtue of the Bank Holding Company Act and its amendments. Represents domestic data only]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Number of companies	121	1,821	2,478	2,905	3,500	4,285	5,399	5,702	5,946	6,489
Banking offices	4,155	22,056	27,099	29,824	33,733	37,066	41,349	44,670	47,106	49,217
Banks	895	3,674	4,280	4,954	5,689	6,731	7,835	8,840	9,156	9,428
Branches	3,260	18,382	22,819	24,970	28,044	30,337	33,514	35,830	37,950	39,789
Assets (bil. dol.)	92.9	661.3	1,004.7	1,134.4	1,296.7	1,537.9	2,019.8	2,151.9	2,363.4	2,573.0
Percent of all commercial banks	16.1	66.5	70.6	74.1	77.3	82.6	86.0	89.4	90.2	91.1
Deposits (bil. dol.)	78.1	527.5	744.7	840.6	938.7	1,113.7	1,527.2	1,637.3	1,786.2	1,955.8

Source: Board of Governors of the Federal Reserve System, *Banking and Monetary Statistics, 1941–1970*; *Annual Statistical Digest*; and unpublished data.

No. 777. Commercial Banks—Domestic Assets and Deposits, States and Other Areas: 1986

[As of December 31. Excludes foreign branches of U.S. banks]

STATE	ALL COMMERCIAL BANKS [1]				INSURED COMMERCIAL BANKS [2]	
	Assets		Deposits			
	Total (bil. dol.)	Percent held by multibank holding companies	Total (bil. dol.)	Per capita [3] (dol.)	Assets (bil. dol.)	Deposits (bil. dol.)
Total	(NA)	(NA)	(NA)	(NA)	**2,531.8**	**1,966.5**
U.S.	2,573.1	71.0	1,955.8	8,113	2,519.9	1,958.6
AL	28.9	72.6	23.2	5,726	28.9	23.2
AK	5.0	24.4	4.1	7,610	5.0	4.1
AZ	27.6	46.6	23.8	7,168	27.6	23.8
AR	17.2	39.2	15.8	6,681	18.0	15.8
CA	251.5	57.4	206.5	7,652	245.3	207.9
CO	25.7	75.5	21.3	6,531	25.6	21.4
CT	32.8	79.6	26.3	8,240	32.5	26.3
DE	34.2	62.2	15.3	24,117	34.1	15.3
DC	14.5	28.3	11.7	18,626	13.9	11.7
FL	102.4	73.3	86.4	7,401	101.8	86.4
GA	50.2	78.4	37.9	6,206	49.4	38.2
HI	10.6	5.7	9.3	8,768	9.2	9.3
ID	7.1	84.3	5.9	5,922	7.1	5.9
IL	148.7	71.1	108.8	9,421	146.3	108.8
IN	48.7	61.3	40.4	7,346	48.0	40.4
IA	30.1	39.9	26.0	9,119	30.1	26.0
KS	24.6	24.9	21.5	8,746	24.6	21.5
KY	33.1	56.7	26.2	7,025	33.0	26.2
LA	37.0	50.9	31.5	7,003	36.8	31.5
ME	6.1	86.2	5.2	4,451	6.1	5.2
MD	37.8	37.5	29.1	6,513	37.4	29.1
MA	77.4	76.7	58.6	10,056	76.4	58.6
MI	76.0	86.6	62.0	6,782	74.2	62.0
MN	54.3	72.1	38.9	9,225	53.8	36.9
MS	17.9	22.7	15.1	5,758	17.9	15.1
MO	52.7	69.9	43.5	8,592	52.4	43.5
MT	7.3	68.6	6.1	7,479	7.3	6.1
NE	16.6	40.9	14.5	9,053	16.6	14.5
NV	9.0	95.4	5.9	6,142	9.1	6.0
NH	7.9	83.9	6.9	6,683	7.9	6.9
NJ	68.5	67.1	58.0	7,618	69.3	59.1
NM	9.9	56.3	8.5	5,763	9.9	8.5
NY	423.3	88.9	256.5	14,376	391.0	255.5
NC	55.4	80.5	38.9	6,144	54.6	38.9
ND	6.9	47.3	6.1	8,957	6.9	6.1
OH	87.5	82.8	69.1	6,427	86.2	69.5
OK	29.2	38.8	25.3	7,652	29.2	25.4
OR	16.9	83.1	14.5	5,361	16.6	14.5
PA	136.2	81.4	102.4	8,617	134.2	102.4
RI	11.3	87.0	7.9	6,131	11.3	7.9
SC	17.0	51.0	13.2	3,901	17.0	13.2
SD	18.2	82.6	8.1	11,391	18.2	8.1
TN	38.8	49.5	32.1	6,687	38.2	32.1
TX	201.3	75.4	158.2	9,482	199.9	157.4
UT	11.1	73.7	9.0	5,403	10.9	9.0
VT	4.7	37.9	4.1	7,665	4.7	4.1
VA	51.0	83.8	40.9	7,070	50.6	40.9
WA	31.4	79.0	25.6	5,746	31.0	25.6
WV	14.9	54.2	12.8	6,670	14.9	12.8
WI	40.5	67.9	33.8	7,065	40.4	33.6
WY	4.4	63.5	3.9	7,716	4.4	3.9
AM [4]	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)
PR	(NA)	(NA)	(NA)	(NA)	11.5	9.7
GU [4]	(NA)	(NA)	(NA)	(NA)	.3	.2
Pacific Islands [4]	(NA)	(NA)	(NA)	(NA)	(Z)	(Z)

NA Not available. Z Less than $50 million. [1] Data reflect revisions submitted by banks after original filing date. [2] Based on U.S. Bureau of the Census resident population estimates as of July 1. [3] Source: U.S. Federal Deposit Insurance Corporation, unpublished data. [4] Consists of data for one insured commercial bank chartered in the outlying areas.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Annual Statistical Digest*.

Digitized by Google

No. 778. Insured Commercial Banks—Assets and Liabilities: 1975 to 1986

[In billions of dollars, except number of banks. As of Dec. 31. Includes outlying areas. Excludes noninsured banks and nondeposit trust companies. 1975 includes American branches of foreign banks. Except as noted, includes foreign branches of U.S. banks. See *Historical Statistics, Colonial Times to 1970*, series X 586–609, for related data]

ITEM	1975	1979	1980	1981	1982	1983	1984	1985	1986
Number of banks	14,384	14,364	14,434	14,414	14,452	14,465	14,481	14,404	14,236
Assets	**1,095.4**	**1,892.1**	**1,855.7**	**2,029.1**	**2,194.3**	**2,342.1**	**2,508.6**	**2,731.0**	**2,940.0**
Securities, total [1]	231.5	293.9	334.4	352.1	386.0	441.3	385.8	439.8	484.8
U.S. Treasury, direct obligations	81.0	88.4	104.5	103.7	118.7	168.1	108.2	118.3	127.0
Obligations of States and subdivisions [2]	100.9	132.8	146.3	151.5	155.2	158.4	120.9	160.6	140.4
Federal funds sold and securities purchased [3]	37.0	61.3	70.3	91.2	103.9	93.5	110.8	133.2	139.2
Net loans and leases [4]	590.1	935.6	1,006.4	1,120.2	1,211.6	1,301.3	1,489.7	1,607.8	1,727.2
Commercial and industrial loans	(NA)	351.1	391.0	454.6	504.4	524.8	565.0	577.7	600.8
Real estate loans	(NA)	249.3	269.1	291.4	308.0	336.8	385.6	438.5	514.8
Loans to depository institutions [5]	69.5	81.2	94.7	106.9	109.2	72.3	68.0	70.2	
Loans to farmers (excl. real estate)	(NA)	31.4	32.3	33.7	37.0	39.9	40.7	36.1	31.7
Other loans to individuals	(NA)	192.7	187.4	193.0	199.2	224.6	266.9	309.0	335.6
All other loans [6]	(NA)	60.8	62.6	69.4	73.1	83.6	176.6	195.1	191.4
Lease financing receivables	(NA)	11.6	14.0	15.9	16.7	17.1	20.2	24.3	27.5
Cash, balances with banks, etc	189.4	306.6	331.9	327.4	334.3	341.9	323.5	340.8	379.0
Other	47.4	94.7	112.6	138.2	158.5	164.2	198.9	209.8	209.7
Liabilities and equity capital	**[8] 1,095.4**	**1,892.1**	**1,855.7**	**2,029.1**	**2,194.3**	**2,342.1**	**2,508.6**	**2,731.0**	**2,940.0**
Deposits	915.9	1,363.1	1,481.2	1,588.8	1,706.5	1,842.5	1,962.6	2,117.9	2,282.3
Demand [7] [8]	(NA)	414.8	415.1	369.2	354.2	370.6	421.6	450.9	510.6
Time and savings [7] [9]	(NA)	659.8	755.6	885.1	1,028.1	1,140.9	1,223.4	1,345.2	1,457.9
Deposits in foreign offices	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	317.6	321.8	313.8
Individuals, partnerships and corporations [7]	(NA)	914.5	1,007.8	1,103.9	1,214.9	1,353.6	1,466.8	1,617.1	1,781.5
Government [7]	(NA)	86.5	84.2	85.3	90.0	86.7	96.5	107.5	108.7
Domestic interbank, foreign government, and other banks in foreign countries [7] [10]	(NA)	72.8	77.7	64.2	77.5	70.8	55.6	64.0	76.9
Miscellaneous liabilities	101.6	225.5	260.4	315.4	351.5	352.0	381.4	414.9	458.1
Subordinated notes and debentures	4.4	6.3	6.5	6.5	7.3	7.1	10.2	14.7	16.9
Limited-life preferred stock	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	14.0	1
Equity capital	64.3	97.2	107.6	118.3	128.9	140.5	154.3	169.5	182.6

NA Not available. [1] Book value. Includes other categories not shown separately. [2] Beginning 1984, nonrated industrial development and other obligations of States and political subdivisions are included under all other loans. [3] Under agreements to resell. [4] Excludes allowance for loan and lease losses and unearned income. [5] Includes loans to foreign banks. [6] Includes reserves on loans and securities, not shown separately. [7] Represents deposits in domestic offices only. [8] Beginning 1984, noninterest bearing deposits. [9] Beginning 1984, interest bearing deposits. [10] Includes official institutions in foreign countries.

Source: U.S. Federal Deposit Insurance Corporation, *Assets and Liabilities: Commercial and Mutual Savings Banks*, semiannual; beginning 1979, *Annual Report*; and unpublished data.

No. 779. Insured Commercial Banks—Selected Measures of Financial Condition: 1975 to 1986

[As of December 31. Capital figures exclude reserves for possible loan losses]

ITEM	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986
Number of banks	Number	14,384	14,364	14,434	14,414	14,452	14,465	14,481	14,404	14,236
Equity and debt capital	Bil. dol	70.3	103.3	114.1	124.8	136.2	147.6	164.5	[1] 198.2	[1] 199.8
Equity capital to total assets	Percent	6.1	5.7	5.8	5.8	5.9	6.0	6.2	6.2	6.2
Equity capital to total deposits	Percent	8.5	7.1	7.3	7.4	7.6	7.6	7.9	8.0	8.0
Debt capital to total capital	Percent	8.3	8.1	5.7	5.2	5.4	4.8	6.2	[1] 14.5	[1] 8.5
Total capital to total assets	Percent	6.5	6.1	6.2	6.2	6.2	6.3	6.6	6.7	6.7
Total capital to total liabilities	Percent	6.9	6.5	6.6	6.6	6.6	6.7	7.0	7.2	7.2
Total capital to risk assets [2]	Percent	9.0	8.3	8.4	8.2	8.2	8.4	8.5	9.1	9.3
Total loans, excluding Federal funds [3]	Bil. dol	579.4	931.2	1,002.5	1,131.3	1,224.4	1,316.9	1,508.3	1,630.8	1,756.5
Total loans to deposits	Percent	63.4	68.4	67.7	71.2	71.7	71.5	76.9	77.0	76.9
Net loan charge-offs to average total loans	Percent	.61	.34	.38	.36	.56	.66	.76	.84	.98
Aggregate net operating income	Mil. dol	7,146	13,126	14,484	15,600	15,587	14,907	15,540	16,267	13,478
Aggregate net income to average equity capital	Percent	11.7	13.9	13.7	13.1	12.1	11.1	10.7	11.3	10.1
Aggregate net income to average assets	Percent	.78	.81	.78	.77	.72	.66	.65	.70	.64

[1] Includes limited life preferred stock as debt capital. [2] Risk assets are total assets less cash, U.S. Government securities, and Federal funds sold. [3] Beginning in 1984, some assets previously classified as securities are included among loans.

Source: U.S. Federal Deposit Insurance Corporation, *The Condition of the Financial System*, May 1980, and unpublished data.

Digitized by Google

No. 780. FDIC-Insured Banks Closed or Assisted Due to Financial Difficulties, and Problem Banks: 1971 to 1986

[Banks are closed either permanently or temporarily by order of supervisory authorities or by directors of banks. F.D.I.C. = Federal Deposit Insurance Corporation. See *Historical Statistics, Colonial Times to 1970*, series X 741, 748, 756, and 761]

ITEM	Unit	1971–1980	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total banks closed or assisted	Number	79	6	7	10	10	10	42	48	[1] 79	120	145
Agricultural banks [2]	Number	(NA)	(NA)	(NA)	(NA)	(NA)	1	7	7	31	62	59
Deposits, closed and assisted banks	Mil. dol	5,372	205	854	111	216	3,826	9,908	5,442	[1] 2,883	8,059	6,597
Agricultural banks [2]	Mil. dol	(NA)	(NA)	(NA)	(NA)	(NA)	7	112	114	421	866	1,406
Problem banks [3]	Number	(X)	368	342	287	217	223	369	642	848	1,140	1,484

NA Not available. X Not applicable. [1] Excludes assistance by FDIC to Continental Illinois. [2] Banks with at least 25 percent of their portfolios devoted to farm loans. [3] FDIC-insured commercial and savings banks considered to be problem banks by the supervisory authorities, end-of-period.

Source: U.S. Federal Deposit Insurance Corporation, *Annual Report*, and unpublished data.

No. 781. U.S. Banking Offices of Foreign Banks—Summary: 1975 to 1986

[**In billions of dollars, except as indicated.** As of **December**, except as indicated. Covers agencies, branches, subsidiary commercial banks, New York investment companies, and, for data by country only, finance companies]

YEAR	Assets	LOANS		Deposits	COUNTRY	NUMBER OF—		Assets	Loans, commercial and industrial	Deposits
		Total	Business			Banks with U.S. offices	U.S. offices			
1975	52.4	29.9	19.9	22.6	**1986, total** [2]	**263**	**638**	**468.1**	**120.9**	**255.3**
1980	200.6	121.4	59.6	80.4	Japan	27	91	201.8	46.0	110.3
1981	250.6	157.7	73.6	101.8	United Kingdom	14	52	44.3	16.0	28.6
1982	299.8	185.2	82.4	154.3	Canada	9	53	42.0	12.3	23.2
					Italy	12	26	26.1	8.4	12.3
1983	328.8	192.4	84.5	181.3	Hong Kong	11	30	24.1	7.1	17.8
1984	394.4	220.1	97.8	233.7						
1985	440.8	247.4	108.8	236.7	Switzerland	7	17	21.9	4.2	8.0
1986	524.3	276.9	126.8	278.2	France	15	42	20.2	4.4	11.8
					Israel	4	25	9.8	2.8	6.4
SHARE [1]					West Germany	12	21	7.5	2.1	3.7
					Netherlands	4	17	6.5	1.9	3.1
1975	5.3	5.7	10.4	2.9						
1980	11.9	13.4	18.2	6.6						
1985	16.1	15.4	22.5	12.1						
1986	17.3	15.6	23.3	12.8						

[1] Percent of "domestically owned" commercial banks plus U.S. offices of foreign banks. [2] As of June 30. Includes other countries not shown separately. Source: *American Banker*, New York, NY, selected issues.

Source: Except as noted, Board of Governors of the Federal Reserve System, unpublished data.

No. 782. 500 Largest Banks in the World—Number and Deposits, by Location of Bank: 1970 to 1986

[**Deposits in billions of dollars, except percent.** Data cover U.S. commercial banks and foreign banks that conduct a commercial banking business; beginning 1983, includes U.S. and foreign savings banks. Beginning 1981, covers top 500 banks in assets available. Number of banks includes banks more than 50 percent owned by other banks. To avoid double-counting of deposits, banks more than 50 percent owned by other banks are excluded from deposit totals if their parent bank consolidates their deposits]

LOCATION OF BANK	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	PERCENT		
											1970	1980	1986
NUMBER													
U.S. banks	185	137	95	93	97	97	102	115	110	102	37.0	18.6	20.4
Foreign banks	315	363	405	407	403	403	398	385	390	398	63.0	81.4	79.6
DEPOSITS													
Total	890	2,176	4,508	4,994	5,213	5,230	5,683	5,854	7,022	9,204	100.0	100.0	100.0
U.S. banks	296	494	697	754	806	794	882	961	1,014	1,051	33.3	15.1	11.4
Foreign banks	594	1,682	3,811	4,240	4,407	4,436	4,801	4,893	6,008	8,153	66.7	84.9	88.6

Source: *American Banker*, New York, NY, selected July issues.

Digitized by Google

No. 783. Foreign Branches of U.S. Federal Reserve Member Banks—Number and Assets: 1970 to 1986

[As of year end. The foreign branch activities of nonmember banks are not significant]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel
Member banks operating foreign branches	Number	79	126	139	159	159	162	166	163	162	158
Foreign branches	Number	532	762	789	787	841	900	892	905	916	865
Assets of foreign branches [1] [2]	Bil. dol.	50.0	145.3	279.5	310.5	343.3	341.3	333.1	291.3	289.7	290.0
Percent of total assets of all insured commerical banks [3]	Percent	7.3	13.1	15.4	16.3	16.1	14.2	11.9	10.3	8.9	8.3
Assets of branches in United Kingdom [1]	Bil. dol.	24.0	66.7	95.0	107.4	111.9	110.8	132.4	86.7	93.9	94.0
Assets of branches in The Bahamas and Cayman Islands [1]	Bil. dol.	4.0	36.8	87.5	93.3	104.8	100.5	116.7	85.5	76.5	76.0

[1] Data exclude claims on other foreign branches of the same bank. [2] Includes assets of foreign branches in countries other than those shown separately. [3] Percentages reflect adjustments to exclude foreign branch claims on the U.S. offices of their parent banks.

Source: Board of Governors of the Federal Reserve System, unpublished data.

No. 784. Foreign Lending by Large U.S. Banks, by Maturity, Type of Borrower, and Country: 1986

[In millions of dollars, except percent. As of December. Covers 195 U.S. banking organizations which do nearly all of the foreign lending in the country. Data represent claims on foreign residents and institutions held at all domestic and foreign offices of covered banks. Data cover only cross-border and non-local currency lending. These result from a U.S. bank's office in one country lending to residents of another country or lending in a currency other than that of the borrower's country. Excludes local currency loans and other claims and local currency liabilities held by banks' foreign offices on residents of the country in which the office was located (e.g. Deutsche mark loans to German residents booked at the German branch of the reporting U.S. bank)]

COUNTRY	CLAIMS		Bank borrowers	Private nonbank borrowers	COUNTRY	CLAIMS		Bank borrowers	Private nonbank borrowers
	Total [1]	Percent short-term [2]				Total [1]	Percent short-term [2]		
Total [3]	**275,639**	**65**	**130,164**	**66,864**	Japan	17,133	85	11,097	5,572
Algeria	848	20	417	58	Jordan	154	59	37	10
Argentina	8,524	37	1,080	1,806	Kuwait	966	95	703	179
Australia	3,958	55	901	2,813	Liberia	648	49	5	613
Austria	1,650	85	1,228	93	Macao	134	79	93	41
Bahamas, The	4,157	95	3,921	202	Malaysia	741	38	119	301
Bahrain	1,139	99	1,053	59	Mexico	23,654	24	2,985	6,140
Belgium-Luxembourg	7,915	92	6,437	869	Morocco	892	71	412	10
Bermuda	394	69	20	347	Netherlands	2,650	77	1,348	1,108
Brazil	22,404	43	5,406	3,006	Netherlands Antilles	1,042	60	156	879
British West Indies	8,465	97	8,225	153	New Zealand	1,317	52	229	785
Cameroon	155	42	16	99	Nigeria	903	67	305	50
Canada	8,526	66	3,163	4,719	Norway	2,832	54	863	1,786
Chile	6,459	40	1,818	697	Pakistan	195	60	48	59
China					Panama	2,191	68	649	1,169
Mainland	491	89	120	59	Peru	1,344	74	221	231
Taiwan	2,960	67	1,614	1,095	Philippines	5,107	42	506	1,048
Colombia	2,148	41	511	433	Poland	469	21	90	-
Costa Rica	418	40	12	31	Portugal	658	49	239	30
Denmark	2,697	52	901	1,014	Romania	140	34	33	-
Dominican Republic	427	44	19	44	Saudi Arabia	1,208	74	420	788
East Germany	282	56	117	46	Singapore	6,731	94	5,829	798
Ecuador	2,170	43	1,866	111	South Africa	2,957	84	1,899	740
Egypt	651	68	475	86	South Korea	5,997	62	2,689	2,017
El Salvador	121	64	67	25	Soviet Union	95	74	33	4
Finland	1,300	61	826	259	Spain	2,393	53	1,059	597
France	8,417	84	6,581	820	Sri Lanka	159	54	53	8
Greece	2,389	38	147	1,455	Sweden	2,432	85	1,678	319
Honduras	174	69	22	35	Switzerland	3,918	86	2,359	1,459
Hong Kong	7,364	87	4,958	2,351	Thailand	1,114	72	593	415
Hungary	346	62	44	-	Trinidad and Tobago	182	51	-	-
Iceland	204	51	36	35	Tunisia	158	47	40	19
India	999	67	395	407	Turkey	2,074	61	472	168
Indonesia	2,155	55	150	1,253	United Arab Emirates	399	89	257	106
Iraq	309	72	183	3	United Kingdom	40,890	87	30,323	9,439
Ireland	1,256	46	325	177	Uruguay	929	23	24	90
Israel	1,496	68	1,065	156	Venezuela	9,112	55	1,896	1,856
Italy	7,306	73	5,034	764	West Germany	4,830	62	1,755	1,767
Ivory Coast	365	33	15	59	Yugoslavia	2,065	29	636	52
Jamaica	205	49	7	15					

- Represents zero. [1] Includes public borrowers, not shown separately. [2] Maturity, one year or less. [3] Includes countries not shown separately.

Source: Board of Governors of the Federal Reserve System, Federal Financial Institutions Examination Council, statistical release.

Digitized by Google

No. 785. Savings Institutions—Financial Summary by Type: 1970 to 1986

[In billions of dollars, except number of institutions. As of December 31. Includes Puerto Rico and Guam. FSLIC = Federal Savings and Loan Insurance Corporation. FDIC = Federal Deposit Insurance Corporation. See also *Historical Statistics, Colonial Times to 1970*, series X634–844]

TYPE OF INSTITUTION	1970	1975	1980	1981	1982	1983	1984	1985	1986
NUMBER OF INSTITUTIONS									
Savings institutions, total	**6,162**	**5,406**	**5,076**	**4,746**	**4,248**	**4,036**	**3,978**	**3,940**	(NA)
Savings and loan associations	5,669	4,931	4,613	4,292	3,825	3,502	3,393	3,197	3,078
FSLIC-insured	4,365	4,078	4,002	3,779	3,343	3,040	2,938	2,907	2,811
State insured and non-insured	1,304	853	611	513	483	462	455	290	267
Savings banks	493	475	463	454	423	534	585	743	(NA)
FSLIC-insured	(X)	(X)	3	6	6	143	198	339	409
FDIC-insured	328	328	323	331	315	294	291	392	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	18	24	28	(NA)
State chartered	328	328	323	331	315	276	267	364	(NA)
State insured and non-insured	165	147	137	117	102	97	96	12	(NA)
FSLIC-insured institutions	4,365	4,078	4,005	3,785	3,349	3,183	3,136	3,246	3,220
FDIC-insured institutions	328	328	323	331	315	294	291	392	(NA)
State insured and non-insured	1,469	1,000	748	630	585	559	551	302	(NA)
ASSETS									
Savings institutions, total	**255.3**	**459.4**	**796.6**	**849.1**	**892.2**	**1,034.0**	**1,208.1**	**1,315.4**	(NA)
Savings and loan associations	176.1	338.3	629.6	664.2	707.6	773.4	903.5	946.8	963.3
FSLIC-insured	170.6	330.3	618.5	651.1	692.7	754.2	880.0	936.1	953.6
State insured and non-insured	5.5	8.0	11.2	13.1	15.1	19.2	23.5	10.7	9.7
Savings banks	79.2	121.1	166.8	184.9	184.4	260.6	304.6	366.6	(NA)
FSLIC-insured	(X)	(X)	2.2	7.5	6.9	65.0	98.4	131.6	210.5
FDIC-insured	68.7	107.3	152.6	156.1	155.3	170.7	179.1	205.4	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	36.7	43.5	48.0	(NA)
State chartered	68.7	107.3	152.6	156.1	155.3	134.0	135.6	157.4	(NA)
State insured and non-insured	10.5	13.8	12.0	21.3	22.2	24.9	27.1	29.6	(NA)
FSLIC-insured institutions	170.6	330.3	620.8	656.5	699.5	819.2	978.5	1,069.4	1,164.1
FDIC-insured institutions	68.7	107.3	152.6	156.1	155.3	170.7	179.1	205.4	(NA)
State insured and non-insured	16.0	21.8	23.2	34.4	37.3	44.1	50.6	40.3	(NA)
MORTGAGE LOANS OUTSTANDING									
Savings institutions, total	**208.2**	**355.9**	**603.7**	**628.4**	**584.6**	**633.7**	**717.9**	**777.6**	(NA)
Savings and loan associations	150.3	278.6	502.8	518.5	483.6	494.8	555.3	583.2	576.4
FSLIC-insured	146.0	272.5	494.2	509.1	473.7	482.6	541.6	576.8	(NA)
State insured and non-insured	4.3	6.1	8.0	9.4	10.0	12.2	13.7	6.9	(NA)
Savings banks	57.9	77.2	100.9	109.9	100.9	138.9	162.6	194.4	(NA)
FSLIC-insured	(X)	(X)	.7	3.7	3.4	36.7	56.9	73.0	(NA)
FDIC-insured	50.7	68.4	91.6	93.6	85.1	87.5	92.1	106.1	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	19.6	22.2	24.3	(NA)
State chartered	50.7	68.4	91.6	93.6	85.1	67.9	69.9	81.8	(NA)
State insured and non-insured	7.2	8.9	8.3	12.6	12.4	12.7	13.6	15.3	(NA)
FSLIC-insured institutions	146.0	272.5	494.9	512.9	477.0	521.3	599.0	649.8	661.6
FDIC-insured institutions	50.7	68.4	91.6	93.6	85.1	87.5	92.1	106.1	(NA)
State insured and non-insured	11.5	15.0	25.0	22.0	22.4	24.9	27.3	22.2	(NA)
DEPOSITS									
Savings institutions, total	**216.8**	**396.4**	**673.5**	**686.9**	**733.2**	**863.7**	**988.3**	**1,058.3**	(NA)
Savings and loan associations	146.7	285.7	511.0	525.1	568.0	634.5	725.0	750.1	741.1
FSLIC-insured	141.7	278.8	501.2	513.8	554.6	617.6	705.2	740.5	732.5
State insured and non-insured	5.0	7.0	9.8	11.3	13.4	16.6	19.9	9.6	8.6
Savings banks	72.1	110.6	162.5	163.8	165.2	229.3	263.5	308.2	(NA)
FSLIC-insured	(X)	(X)	1.9	6.2	5.9	53.2	79.6	103.5	157.8
FDIC-insured	62.7	98.1	149.9	138.7	139.5	153.8	159.8	178.6	(NA)
Federally chartered	(X)	(X)	(X)	(X)	(X)	33.0	38.3	39.8	(NA)
State chartered	62.7	98.1	149.9	138.7	139.5	120.8	121.5	138.8	(NA)
State insured and non-insured	9.4	12.5	10.7	18.9	19.8	22.3	24.1	26.1	(NA)
FSLIC-insured institutions	141.7	278.8	503.2	519.9	560.5	671.0	784.7	843.9	890.3
FDIC-insured institutions	62.7	98.1	149.9	138.7	139.5	153.8	159.8	178.6	(NA)
State insured and non-insured	14.4	19.5	21.1	30.2	33.2	38.9	44.0	34.8	(NA)

NA Not available. X Not applicable.

Source: U.S. Federal Home Loan Bank Board, Washington, DC, *Savings and Home Financing Source Book*, annual, and unpublished data.

Digitized by Google

No. 786. Savings Institutions (FSLIC-Insured)—Selected Financial Items and Ratios of Condition: 1970 to 1986

[As of **Dec. 31** for assets, liabilities and net worth; calendar year for other items. Includes Puerto Rico and Guam. FSLIC = Federal Savings and Loan Insurance Corporation. Beginning 1983, includes FSLIC-insured savings and loan associations which changed to FSLIC-insured savings banks. Minus sign (−) indicates either loss or outflow]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Assets [1]	Bil. dol.	170.6	330.3	620.8	656.5	699.5	819.2	978.5	1,069.4	1,164.1
Mortgage assets	Bil. dol.	146.0	272.5	494.9	512.9	477.0	521.3	599.0	649.8	661.6
Mortgage-backed securities	Bil. dol.	(NA)	(NA)	27.3	33.8	62.8	90.9	108.2	110.7	151.9
Cash and securities	Bil. dol.	15.8	29.9	57.0	63.3	84.4	109.9	135.6	143.1	169.1
Liabilities [1]	Bil. dol.	158.7	311.1	588.0	630.6	673.8	786.2	940.6	1,022.6	1,111.2
Deposit accounts	Bil. dol.	141.7	278.8	503.2	519.9	560.5	671.0	784.7	843.9	890.3
FHLB advances	Bil. dol.	10.5	17.5	47.0	25.7	33.8	41.3	65.4	84.4	100.1
Other borrowed money	Bil. dol.	.3	3.0	17.2	27.9	25.7	33.0	37.9	72.2	96.4
Net worth	Bil. dol.	11.9	19.2	32.6	27.9	25.7	33.0	37.9	46.8	52.9
Net worth to total assets ratio	Ratio	7.0	5.8	5.2	4.2	3.7	4.0	3.9	4.4	4.5
Operating income [2]	Bil. dol.	10.7	23.7	56.1	65.2	71.5	80.0	100.6	110.5	111.0
Operating expenses [2]	Bil. dol.	1.9	3.9	7.9	9.0	10.1	12.3	15.3	19.5	23.0
Interest on savings deposits [2]	Bil. dol.	6.9	16.0	41.8	54.1	58.6	58.3	71.8	73.5	68.0
Interest on borrowed money [2]	Bil. dol.	.8	1.6	5.8	9.2	11.7	9.4	12.6	14.1	15.4
Net income before taxes [2]	Bil. dol.	1.2	2.1	1.2	−6.1	−5.9	2.6	1.9	6.0	4.3
Net income after taxes [2]	Bil. dol.	.9	1.4	.8	−4.6	−4.3	2.0	1.1	3.8	1.1
Gross deposits receipts	Bil. dol.	62.0	151.1	454.5	520.8	634.5	879.0	1,106.6	(NA)	(NA)
Savings withdrawals	Bil. dol.	51.2	109.1	413.5	507.4	597.3	768.8	995.4	(NA)	(NA)
Net deposit gain	Bil. dol.	10.8	42.1	41.0	13.4	37.3	110.2	111.2	54.9	49.7
Net new deposits received	Bil. dol.	5.3	29.3	10.7	−25.4	−6.4	63.2	56.9	−1.5	−3.7
Mortgage loans closed [3]	Bil. dol.	(NA)	(NA)	85.2	62.0	60.5	151.1	181.3	196.7	265.5
Purchase of 1-to-4 family homes	Bil. dol.	(NA)	(NA)	60.0	41.3	34.2	83.8	95.7	107.8	175.9
Average cost of funds	Percent	5.30	6.32	8.94	10.92	11.38	9.83	10.03	9.20	8.06
Average effective dividend rate paid	Percent	5.14	6.21	8.78	10.71	11.19	9.71	9.93	9.03	7.84
Average interest return on mortgages	Percent	6.56	7.71	9.34	9.91	10.68	11.17	11.66	11.53	10.65
Net after taxes income to average assets	Percent	.57	.47	.13	−.73	−.65	.27	.13	.39	.09

NA Not available [1] Includes other items, not shown separately. [2] Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. [3] Reported on a gross basis including refinancing and combination construction-purchase loan.

Source: Except as noted, U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

No. 787. Federal and State-Chartered Credit Unions—Summary: 1970 to 1986

[As of **December 31**. Federal data include District of Columbia, Puerto Rico, Canal Zone, Guam, and Virgin Islands. Beginning 1983, State data cover only federally insured State-chartered credit unions. Beginning 1981, data exclude corporate central credit unions which have mainly other credit unions as members. See also *Historical Statistics, Colonial Times to 1970*, series X 864–878]

YEAR	CREDIT UNIONS REPORTING [1]		MEMBERS (1,000)		ASSETS (mil. dol.)		LOANS OUTSTANDING (mil. dol.)		SAVINGS (mil. dol.)	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
1970	12,977	10,679	11,966	10,853	8,861	9,069	6,969	7,137	7,629	7,857
1975	12,737	9,871	17,066	14,196	20,209	17,804	14,869	13,300	17,530	15,522
1980	12,440	9,025	24,519	19,235	40,092	33,143	26,350	22,633	36,263	29,480
1981	11,951	8,746	25,449	19,620	39,181	32,596	27,238	23,156	35,248	28,971
1982	11,426	8,464	26,105	20,393	45,494	36,886	28,192	23,454	41,352	33,236
1983	10,962	4,915	26,798	14,278	54,482	27,479	33,201	17,215	49,869	24,850
1984	10,546	4,645	28,170	15,205	63,857	29,188	42,132	19,951	57,927	26,327
1985	10,125	4,920	29,578	15,689	78,205	41,525	48,241	26,168	71,616	37,917
1986	9,758	4,935	31,045	17,363	95,484	52,244	55,305	30,634	87,954	48,097

[1] Represents operating credit unions.

Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration*, and unpublished data.

Digitized by Google

No. 786. Savings Institutions (FSLIC-Insured)—Selected Financial Items, States and Other Areas: 1986

[In millions of dollars, except number of institutions. As of December 31. Covers savings and loan associations and savings banks. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Number of institutions	Total assets	Mortgage loans outstanding [1]	Deposits
Total	**3,220**	**1,163,983**	**813,782**	**890,553**
U.S	**3,208**	**1,158,316**	**811,216**	**887,264**
Region:				
Northeast	492	161,936	110,908	128,372
Midwest	1,017	258,801	181,931	201,900
South	1,281	339,852	227,716	276,277
West	418	397,727	290,661	280,715
N. Eng	**98**	**25,324**	**17,849**	**16,369**
ME	15	1,218	773	864
NH	12	1,803	1,253	1,454
VT	4	428	307	319
MA	33	7,030	4,991	5,387
RI	3	3,592	1,993	2,571
CT	31	11,253	8,532	7,774
Mid Atl	**304**	**136,812**	**93,058**	**110,003**
NY	86	48,311	30,935	38,728
NJ	139	50,191	36,080	39,878
PA	169	38,110	26,044	31,397
E. No. Cent	**744**	**180,443**	**126,012**	**143,942**
OH	232	51,743	36,075	43,015
IN	115	12,745	9,064	11,181
IL	267	65,335	44,953	54,991
MI	51	34,814	24,665	21,064
WI	79	15,806	11,225	13,711
W. No. Cent	**273**	**78,358**	**55,919**	**57,958**
MN	37	16,069	9,822	10,596
IA	52	9,133	6,649	7,803
MO	85	21,863	16,137	17,740
ND	6	3,930	2,626	2,486
SD	12	1,388	811	1,273
NE	23	9,092	6,623	6,029
KS	58	16,863	13,251	12,031
So. Atl	**393**	**177,483**	**122,861**	**141,010**
DE	4	353	236	292
So. Atl.—Con.				
MD	95	18,970	13,620	15,703
DC	6	4,268	3,472	2,812
VA	66	22,929	16,165	18,259
WV	18	2,112	1,430	1,863
NC	139	19,332	14,241	16,367
SC	49	10,399	7,236	8,367
GA	67	16,168	11,796	13,220
FL	149	82,952	54,465	64,127
E. So. Cent	**213**	**31,205**	**21,150**	**26,172**
KY	67	7,201	5,126	6,287
TN	64	10,825	7,120	8,942
AL	37	8,566	6,096	6,767
MS	45	4,613	2,808	4,176
W. So. Cent	**475**	**131,164**	**83,905**	**109,095**
AR	39	6,248	4,844	7,234
LA	102	15,544	10,456	12,904
OK	53	10,094	6,912	8,610
TX	281	97,278	61,693	80,347
Mt	**129**	**57,426**	**38,002**	**41,076**
MT	11	1,207	846	1,023
ID	9	1,532	872	1,184
WY	11	1,295	817	1,148
CO	38	15,907	11,896	11,406
NM	25	5,874	3,493	4,506
AZ	14	21,511	13,760	14,617
UT	14	5,938	4,045	4,399
NV	7	4,162	2,273	2,793
Pac	**289**	**340,301**	**252,859**	**230,639**
WA	43	17,118	12,904	11,513
OR	20	9,659	6,482	6,875
CA	216	309,304	230,257	218,133
AK	4	551	397	399
HI	6	3,669	2,619	2,719
PR	10	5,580	2,507	3,231
GU	2	87	59	58

[1] Includes mortgage-backed securities and reflects deductions from asset accounts.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual.

No. 789. Finance Companies—Assets and Liabilities: 1975 to 1985

[In millions of dollars, except number of companies. As of June 30. Finance companies include Morris Plan companies and companies whose largest portion of assets is in one or more of the following kinds of receivables—sales finance receivables, personal cash loans to individuals and families, short and intermediate-term business receivables, and junior liens on real estate. For 1985 based on a stratified random sample of 317 companies]

Item	1975	1980	1985
Number of companies	3,376	2,775	1,738
Total assets, net	**88,716**	**175,025**	**290,707**
Total receivables, gross	85,994	183,341	304,286
Consumer receivables	40,814	77,260	117,647
Retail passenger car paper	9,938	27,118	59,130
Mobile homes	3,461	4,832	9,281
Retail consumer goods	12,647	22,702	30,733
Personal cash loans	14,769	22,609	18,502
Business receivables	39,286	86,067	147,330
Wholesale paper	10,945	21,741	32,517
Retail paper	11,067	26,318	40,314
Lease paper	8,065	23,261	51,464
Other business credit	9,208	14,747	23,015
Real estate loans	1,946	11,831	25,876
Other receivables	3,948	8,183	13,433
Assets—Con.			
Less: Reserves for unearned income	7,664	21,251	35,757
Less: Reserves for losses	1,623	2,981	4,741
Total receivables, net	76,687	159,108	263,788
Other assets	12,029	15,917	26,919
Total liabilities, capital, and surplus	**88,716**	**175,025**	**290,707**
Loans and notes payable to banks	8,617	15,456	17,296
Commercial paper	25,905	52,328	90,432
Other short-term paper	7,408	10,627	(NA)
Other long-term paper	29,013	52,898	(NA)
Debt due to parent	(NA)	(NA)	14,440
Debt not elsewhere classified	(NA)	(NA)	92,483
Other liabilities	3,823	18,963	38,339
Capital, surplus, undivided profits	13,951	25,350	37,717

NA Not available.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1976 and May 1981 issues, and unpublished data.

Digitized by Google

No. 790. Holdings of Construction, Long-Term Mortgage, and Land Loans, by Type of Loan, 1970 to 1986, and by Lender, 1986

[In billions of dollars. As of end of year]

Type of loan	1970	1975	1980	1983	1984	1985	1986						
								Lender					
							Total [1]	Savings and loan assn.	Commercial banks	Mutual savings banks	Life insurance companies	Federal credit agencies	Mortgage pools
Mortgage credits, total	422	731	1,318	1,612	1,887	2,059	2,373	667	498	96	190	175	553
Construction loans	18	41	63	110	146	152	173	41	107	5	1	1	-
1–4 unit family homes	5	13	26	33	39	34	36	13	19	1	(Z)	-	-
Multifamily residential	6	12	14	23	26	26	37	10	13	1	(Z)	1	-
Nonresidential	7	17	22	54	81	90	100	17	74	2	1	-	-
Farm properties	(Z)	-	-	-	-	-	-	-	-	-	-	-	-
Long-term mortgage loans	400	679	1,242	1,484	1,711	1,872	2,160	606	374	90	189	174	553
1–4 unit family homes	267	435	857	1,020	1,183	1,294	1,507	458	212	65	13	108	533
FHA insured	62	68	105	145	155	176	221	8	7	5	2	11	186
VA guaranteed	37	57	91	114	120	127	135	11	4	6	1	6	99
Conventional	168	310	661	760	908	991	1,151	439	201	54	9	91	267
Multifamily	46	82	114	124	146	161	190	68	15	10	20	25	11
Nonresidential	66	128	205	258	299	338	393	78	134	15	145	6	(Z)
Farm properties	20	34	66	83	84	79	70	1	13	-	11	35	9
Land loans	4	11	13	18	29	36	40	20	17	(Z)	1	-	-

- Represents zero. Z Less than $500 million. [1] Includes other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970–1979*; and monthly and quarterly press releases based on Survey of Mortgage Lending Activity.

No. 791. Mortgage Activity of Banks, Insurance Companies, and Savings and Loan Associations: 1970 to 1986

[In billions of dollars. Loans outstanding are as of end of year. Bank and savings and loan data include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series N 266–267, X 836–839, and X 911]

Item	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Commercial banks:											
Loans outstanding [1]	73.3	136.2	212.7	243.8	262.3	282.7	299.0	328.0	374.8	425.3	497.9
Nonfarm residential	45.6	82.9	136.3	158.1	170.2	181.7	185.5	196.2	212.9	229.1	259.7
FHA-insured	7.9	6.3	5.2	4.6	4.4	4.5	4.8	5.8	5.8	5.7	7.0
VA-guaranteed	2.6	3.1	2.8	2.7	2.4	2.4	2.7	3.1	3.0	3.3	4.1
Conventional	35.1	73.5	128.3	150.8	163.3	174.7	178.2	187.5	204.1	220.1	248.6
Other nonfarm	23.3	46.9	68.0	77.1	83.5	92.7	105.1	122.4	151.3	184.8	225.4
Farm	4.4	6.4	8.5	8.6	8.5	8.3	8.4	9.3	10.5	11.4	12.8
Mutual savings banks:											
Loans acquired [2]	8.1	8.9	15.5	14.0	8.2	5.8	7.0	17.3	21.3	11.0	31.1
Loans outstanding [3]	57.9	77.2	94.4	99.7	100.1	99.3	97.1	99.5	106.4	61.6	95.8
Nonfarm residential	49.9	63.8	78.5	83.7	83.9	83.4	81.6	83.8	88.7	67.6	78.0
FHA-insured	16.1	14.4	13.6	13.6	13.2	12.5	11.7	10.7	9.5	7.0	8.1
VA-guaranteed	12.0	12.4	11.9	11.4	10.6	10.3	9.7	8.6	7.9	6.9	5.8
Conventional	21.8	37.0	52.9	58.5	59.9	60.6	60.2	64.3	71.4	53.7	66.1
Other nonfarm	7.9	13.3	15.9	16.0	16.1	15.8	15.5	15.7	17.7	14.2	17.8
Life insurance companies:											
Loans acquired [2]	8.8	8.6	18.9	19.8	16.3	13.0	10.0	18.8	19.2	31.7	40.8
Nonfarm	8.3	7.7	14.2	16.8	16.5	11.8	9.3	17.6	18.2	30.6	39.4
Farm	.3	1.1	2.7	2.8	1.8	1.2	.7	1.2	1.0	1.1	1.2
Loans outstanding	74.4	89.2	102.9	115.1	127.9	135.8	138.5	148.4	154.5	167.9	190.4
Nonfarm	66.7	82.4	92.4	103.0	115.0	122.5	125.7	135.7	142.1	156.1	179.4
FHA-insured	11.4	7.9	6.1	5.8	5.5	5.1	4.6	4.4	4.1	3.2	2.7
VA-guaranteed	5.4	3.9	3.2	3.0	2.8	2.6	2.5	2.3	2.0	1.5	1.2
Conventional	51.9	70.6	83.1	94.2	106.7	114.8	118.4	129.0	136.0	151.4	175.5
Farm	5.8	6.6	10.5	12.2	12.8	13.1	12.8	12.7	12.4	11.8	11.0
Savings and loan associations:											
Loans acquired [2] [4]	22.0	58.3	112.8	104.8	81.7	58.5	67.2	148.9	194.2	210.6	289.6
Loans outstanding [5]	150.3	278.8	432.9	475.8	502.8	517.9	492.2	512.9	641.4	658.2	667.0
FHA-insured	10.2	16.5	13.2	13.0	12.6	12.0	12.1	12.8	12.3	11.1	8.8
VA-guaranteed	8.5	14.0	15.8	15.6	15.0	14.2	14.0	15.5	15.0	13.7	11.1
Conventional	131.7	248.0	403.9	447.2	475.0	491.7	466.1	484.6	614.1	633.4	647.1

[1] Includes loans held by nondeposit trust companies; excludes holdings of trust departments of commercial banks. [2] Mortgage loans on all types of property acquired either by origination or purchase. Long term loans only, excluding construction and land loans. [3] Includes a small amount of farm loans not shown separately. [4] Includes Guam. [5] Includes shares pledged against mortgage loans, junior liens and real estate sold on contract.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970–1979*; and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

Digitized by Google

No. 792. Purchases and Sales of Mortgage Loans, by Lender: 1970 to 1986

[In millions of dollars. Covers all types of property]

YEAR	Total	Savings associations [1]	Savings banks	Commercial banks	Mortgage companies	Federal credit agencies	Mortgage pools	Other
Purchases:								
1970	16,406	3,694	1,809	818	60	5,667	2,726	1,612
1975	38,604	8,471	1,751	431	820	12,526	12,829	1,776
1980	78,144	13,189	1,212	4,902	3,445	16,333	29,355	9,708
1982	118,621	23,724	1,531	3,270	4,953	20,021	59,329	5,793
1983	189,856	44,966	2,748	5,107	13,174	26,923	88,122	8,816
1984	190,176	64,623	3,175	8,133	11,205	26,785	68,218	8,037
1985	257,674	64,992	2,934	11,953	20,944	32,953	114,294	9,604
1986	471,284	71,255	3,593	32,136	55,230	39,590	260,435	9,105
Sales:								
1970	18,933	996	283	1,955	12,509	2,587	331	262
1975	35,290	5,234	269	3,386	16,324	8,694	871	512
1980	77,129	16,140	782	8,403	36,987	10,463	4,059	295
1982	113,288	54,446	2,218	8,298	30,893	12,697	4,321	415
1983	163,410	54,194	3,211	15,419	70,362	13,674	5,410	1,140
1984	158,708	64,097	3,374	13,610	56,571	12,244	6,044	2,768
1985	224,262	103,217	6,001	19,173	78,009	7,960	5,535	4,367
1986	394,093	164,585	15,482	31,581	162,800	15,943	1,422	2,280

[1] Includes Federal savings banks insured by the Federal Savings and Loan Insurance Corporation.

Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. Data from U.S. Department of Housing and Urban Development.

No. 793. Mortgage Debt Outstanding: 1970 to 1986

[In billions of dollars. As of Dec. 31. Includes Puerto Rico and Guam. See also *Historical Statistics, Colonial Times to 1970*, series N 273 and N 276]

TYPE OF PROPERTY AND HOLDER	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Mortgage debt, total	474	792	1,162	1,327	1,458	1,563	1,630	1,813	2,034	2,267	2,564
Residential nonfarm	358	583	879	1,005	1,106	1,180	1,219	1,350	1,503	1,681	1,912
1- to 4-family homes	297	482	754	871	964	1,038	1,074	1,189	1,318	1,467	1,666
Savings and loan associations	125	224	356	394	420	433	393	388	422	432	404
Commercial banks	42	77	129	150	160	170	174	183	196	213	236
Mutual savings banks	42	50	63	66	68	68	65	94	107	122	155
Life insurance companies	27	18	14	18	18	17	17	15	14	12	13
Federal agencies	22	38	44	53	61	68	78	87	96	110	127
Individuals and others	40	78	147	191	237	281	347	422	481	577	732
5 or more units	60	101	125	135	142	142	146	161	185	214	247
Commercial	86	159	212	236	256	278	301	350	418	481	554
Farm	30	50	72	86	96	106	110	113	112	106	98

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 794. Mortgage Delinquency and Foreclosure Rates and Private and Government Mortgage Insurance: 1970 to 1986

[In percent, except as indicated. Covers one- to four-family residential nonfarm homes]

YEAR	DELINQUENCY RATES [1]				FORECLOSURE RATES [2]				Claims paid by private mortgage insurers [3] (mil. dol.)	PRIVATE AND GOVERNMENT MORTGAGE INSURANCE OUTSTANDING [4]		
	Total	Conventional loans	VA loans	FHA loans	Total	Conventional loans	VA loans	FHA loans		Private (bil. dol.)	FHA/VA (bil. dol.)	Insurance as a percent of home mortgage debt
1970	3.19	1.74	3.03	3.65	.33	.08	.50	.40	(NA)	7.9	97.9	35.2
1975	4.37	2.71	4.17	5.45	.36	.16	.36	.46	(NA)	40.0	127.7	34.8
1980	4.97	3.09	5.33	6.56	.36	.17	.46	.53	58.7	105.3	195.2	31.2
1982	5.53	3.71	5.95	7.06	.67	.39	.76	.88	209.9	124.2	217.9	31.8
1983	5.59	3.89	6.09	7.07	.67	.46	.76	.84	356.8	148.0	248.8	33.4
1984	5.86	3.85	6.38	7.28	.73	.47	.82	.98	472.1	192.0	265.9	34.4
1985	5.84	4.05	6.63	7.46	.81	.61	.88	1.01	971.2	223.7	288.8	35.0
1986	5.57	3.80	6.58	7.16	.98	.69	1.14	1.22	1,219.4	[5] 230.3	(NA)	(NA)

NA Not available. [1] Number of loans delinquent 30 days or more as percentage of mortgage loans serviced in survey. Annual average quarterly figures, seasonally adjusted. [2] Percentage of loans in the foreclosure process at yearend, not seasonally adjusted. [3] Source: Mortgage Insurance Companies of America, Washington, DC, unpublished data. [4] Source: United States League of Savings Institutions, Washington, DC, *Savings Institutions Sourcebook*, annual. [5] Preliminary.

Source: Except as noted, Mortgage Bankers Association of America, Washington, DC, *National Delinquency Survey*, quarterly.

Digitized by Google

No. 795. Consumer Credit Outstanding: 1970 to 1986

[**In billions of dollars, except percent.** Estimated amounts of credit outstanding as of **end of year.** Seasonally adjusted. See also *Historical Statistics, Colonial Times to 1970*, series X 551–560]

TYPE OF CREDIT	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Credit outstanding	**139.4**	**217.4**	**242.0**	**278.9**	**325.0**	**366.4**	**369.1**	**390.1**	**409.5**	**468.5**	**561.5**	**657.0**	**723.6**
Ratio to disposable personal income [1] (percent)	19.0	18.3	18.7	19.4	20.0	20.4	18.4	17.8	17.7	18.5	20.6	22.6	23.6
Installment	103.9	167.0	187.8	221.5	262.0	296.5	295.8	311.0	325.1	373.1	446.2	522.8	577.8
Automobile paper	36.4	57.0	66.8	80.9	96.7	112.5	112.0	120.0	125.4	145.9	172.4	208.1	245.1
Revolving	5.0	14.5	16.6	36.7	45.2	53.4	54.9	60.8	66.0	78.4	99.6	122.0	135.0
Mobile home paper	2.4	15.4	15.7	16.4	16.9	18.2	18.3	19.3	21.7	23.0	24.7	25.5	25.7
All other loans	60.2	80.2	88.6	87.5	101.1	112.4	110.7	111.3	112.0	125.9	149.5	167.2	172.1
Commercial banks	48.8	83.0	93.8	112.1	135.8	152.7	145.6	146.0	149.1	169.3	209.2	242.1	261.6
Finance companies	27.2	32.7	34.4	38.3	45.6	57.0	61.9	69.7	75.0	83.0	90.0	113.1	136.5
Credit unions	12.9	25.5	30.9	37.3	44.0	46.1	43.7	45.6	46.9	53.1	65.6	72.1	77.9
Retailers [2]	12.9	16.7	18.3	21.5	23.7	25.6	26.1	28.5	29.4	34.2	37.2	38.9	40.6
Other [3]	2.3	9.2	10.5	12.2	13.0	15.0	18.5	21.1	24.8	33.5	44.7	56.7	61.2
Noninstallment	35.5	50.4	54.2	57.4	63.0	70.0	73.3	79.1	84.3	95.5	115.3	134.2	145.5
Single-payment loans	19.2	27.1	28.5	32.4	35.4	39.4	41.8	43.5	46.7	52.2	61.7	70.1	76.8
Charge accounts	8.7	11.1	12.1	10.3	11.2	11.9	12.2	13.3	13.3	14.8	18.3	21.5	21.8
Service credit	7.5	12.2	13.5	14.8	16.7	18.7	19.3	22.3	24.3	28.5	35.3	42.6	47.1
Delinquency rate, bank installment loans [4]	2.14	2.77	2.57	2.62	2.71	2.93	2.82	2.81	2.39	1.94	2.09	2.32	2.26

[1] Based on fourth quarter seasonally adjusted disposable personal income at annual rates as published by the U.S. Bureau of Economic Analysis in sources listed in table 678. [2] Excludes 30-day charge credit held by travel and entertainment companies. [3] Comprises savings institutions and gasoline companies. [4] Ratio of seven types of closed-end installment loans (excluding revolving credit and bank cards) delinquent 30 days or more as a percentage of total installment loans outstanding; ratio based on number of loans. Source: American Bankers Association, Washington, DC, *Delinquency Rates on Bank Installment Loans*, quarterly.

No. 796. Installment Credit—Finance Rates on Selected Types of Credit for Commercial Banks and Finance Companies: 1975 to 1986

[**Percent per year.** Annual averages. Commercial bank rates are "most common" rates for direct loans with specified maturities; finance company rates are weighted averages for purchased contracts]

TYPE	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Commercial banks:												
New automobiles (48 months) [1]	11.36	11.07	10.92	11.02	12.02	14.30	16.54	16.83	13.92	13.71	12.91	11.33
Mobile homes (120 months) [1]	11.82	11.75	11.84	12.09	12.77	14.99	17.45	18.05	15.91	15.58	14.96	13.99
Other consumer goods (24 months)	13.08	13.02	12.97	13.19	13.85	15.47	18.09	18.65	16.68	16.47	15.94	14.82
Credit-card plans	17.16	17.05	16.89	17.03	17.03	17.31	17.78	18.51	18.78	18.77	18.69	18.26
Finance companies:												
New automobiles	13.12	13.17	13.14	13.15	13.51	14.82	16.17	16.15	12.58	14.62	11.98	9.44
Used automobiles	17.63	17.63	17.62	17.67	17.98	19.10	20.00	20.75	18.74	17.85	17.59	15.95

[1] For 1975–1982, maturities were 36 months for new car loans and 84 months for mobile home loans.

Source of tables 795 and 796: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly; *Annual Statistical Digest*, and unpublished data.

No. 797. Main Checking Account Features, Electronic Fund Transfers, and Automated Teller Machines (ATM): 1986

[**Percent of all checking accounts, except as indicated.** See headnote, table 798]

ITEM	Percent
Checking accounts:	
Location of checking account—	
Commercial bank	67
Savings and loan	23
Credit union or brokerage house	11
Interest and service charge payments—	
Account receives interest only	27
Service charges only	35
Neither interest nor service charges	26
Both interest and service charges	12
Balance in account kept higher to avoid fees	49
Interest rate dependent on balance [1]	74
Service charge: [2]	
Dependent only on account balance	30
Dependent only on number of checks	31
Dependent on both checks and account balance	24
Flat or dependent on other factors	16
Overdraft protection	43
Electronic fund transfers:	
Percent of families using—	
Direct deposit	32
Automatic payment	28
Automated teller machines:	
Percent of families owning ATM access card [3]	46
Percent of owners using ATM to withdraw cash	69
Median number of ATM cash withdrawals in month [4]	4

[1] For all accounts paying interest. [2] For all accounts paying service charges. [3] For families owning at least one transaction account. [4] For families who used an ATM to withdraw cash during the month.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1987.

Digitized by Google

No. 798. Monthly Use of Banking Accounts, Credit Cards, and Cash—Summary: 1984 and 1986

[In percent, except as indicated. Families include one-person units; for definition of family, see text, section 1. Based on sample surveys of 1,885 families in 1984 and 658 families in 1986 residing in the United States. Data are subject to sampling variability, see source. For definition of median, see Guide to Tabular Presentation]

ITEM	1984	1986
Percent of families paying with—		
Cash, checks and credit cards [1]	67	66
Cash and checks [1]	20	19
Cash and money orders	7	8
Cash only	6	7
Percent of aggregate household expenditures paid with—		
Checking	52	48
Savings/money market accts. [2]	10	8
Credit cards	7	8
Money orders	1	2
Cash	30	34
MAIN CHECKING ACCOUNTS		
Percent of families owning these accounts	87	85
Median account balance [3 4]	$580	$650
Median number of checks [5]	14	14
Median size of check [4 5]	$78	$65
OTHER CHECKING ACCOUNTS		
Percent of families owning these accounts	20	22
Median account balance [3 4]	$695	$814
Median number of checks [5]	6	7
Median size of check [4 5]	$130	$86
MONEY ORDER		
Percent of families using money orders	15	14
Avg. size of money order [4 6]	$147	$153
SAVINGS AND MONEY MARKET ACCOUNTS		
Percent of families owning these accounts	69	59
Median balance [3 4]	$3,107	$2,500
Median number of withdrawals [5]	1	2
Median size of withdrawals [4 5]	$401	$138
CREDIT CARDS		
Percent of families—		
Owning credit cards	71	71
Using credit cards [7]	76	82
Revolving credit card accts. [8]	(NA)	49
Median number of—		
Cards per family [7]	4	5
Transactions per family [9]	4	5
Median amount—		
Per transaction [4 9]	$39	$35
Charged per family [4 9]	$165	$150

NA Not available. [1] Checks include personal checks, bank checks, automatic payments, and electronic payments. [2] Money market accounts cover money market deposit accounts and money market mutual funds. [3] For account owners. [4] In constant (1986) dollars. [5] For families using the account. Withdrawals are net of transfers, cash withdrawals, and investments. [6] For families using money orders. [7] For credit card owners. [8] For families who own bank or store credit cards. [9] For families using credit cards during the month.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, March 1987.

No. 799. Households Owning Interest-Earning Assets, by Selected Characteristic: 1984

[Excludes persons in group quarters. Based on the Survey of Income and Program Participation; see text, section 14]

CHARACTERISTIC OF HOUSEHOLDER	Number of households (1,000)	PERCENT OWNING INTEREST-EARNING FINANCIAL ASSETS									
		Held at financial institutions					Other interest-earning assets				
		Total [1]	Total [1]	Passbook savings accounts	Money market deposit accounts	Certificates of deposit	Interest earning checking account	Total [1]	Money market funds	U.S. Government securities	Municipal and corporate bonds	Other assets
Total [2]	**86,796**	**72.4**	**71.8**	**62.9**	**15.7**	**19.1**	**24.9**	**8.5**	**3.8**	**1.4**	**2.6**	**2.8**
Age:												
Under 35 years old	25,730	65.1	64.5	58.3	7.8	7.1	20.9	4.8	2.1	.3	.8	2.1
35–44 years old	17,393	73.3	72.4	66.4	14.0	12.7	23.0	7.9	3.9	.6	1.9	2.9
45–54 years old	12,596	73.4	72.9	66.1	15.9	16.5	25.0	9.1	4.2	1.3	2.5	3.0
55–64 years old	12,920	76.7	76.0	65.0	22.3	26.2	28.1	11.5	5.4	2.0	4.4	3.4
65 years old and over	18,151	78.2	77.5	62.5	23.9	36.0	30.0	11.6	4.7	3.1	4.7	3.0
White	75,343	76.0	75.4	65.7	17.4	21.2	27.0	9.4	4.2	1.6	2.9	3.0
Black	9,509	44.4	43.8	41.6	2.6	4.2	7.2	2.1	.9	.1	.3	1.0
Hispanic [3]	4,162	51.1	50.8	46.9	5.0	6.3	11.9	2.0	1.1	.1	.1	.8
Education:												
Less than 12 years	24,736	58.0	57.6	50.1	9.7	16.9	14.9	3.6	1.2	.6	.7	1.6
High school, 4 years	27,454	71.5	70.9	63.0	14.0	18.6	22.0	6.2	2.2	1.0	1.8	2.3
College:												
1–3 years	17,171	78.0	77.3	68.5	14.7	18.1	27.4	9.7	3.8	1.8	2.7	2.7
4 years or more	17,430	88.9	87.7	75.5	28.2	23.8	41.1	18.7	9.9	2.8	6.7	5.3
Household net worth:												
Negative or zero	9,529	30.6	30.4	26.9	1.8	1.1	9.2	.9	.4	–	–	.3
$1–$4,999	13,266	51.8	51.2	47.8	1.8	2.7	11.0	1.4	.2	–	–	1.2
$5,000–$9,999	5,564	67.7	66.9	62.1	5.6	7.7	18.2	3.2	1.2	.2	.4	1.5
$10,000–$24,999	10,738	73.2	72.6	63.9	8.8	10.7	20.5	4.7	1.5	.4	.7	2.5
$25,000–$49,999	12,556	77.4	76.5	66.3	10.8	15.9	21.3	6.1	2.6	.6	.6	2.8
$50,000–$99,999	16,715	86.8	86.0	75.1	20.7	28.0	30.7	9.0	4.2	1.1	1.9	2.9
$100,000–$249,999	13,286	93.1	92.3	78.3	35.6	42.1	40.9	17.8	8.1	3.7	5.9	4.8
$250,000–$499,999	3,481	94.9	93.8	74.9	46.3	43.4	50.9	31.2	15.9	6.8	14.6	7.6
$500,000 and over	1,654	96.1	94.2	77.8	51.1	43.6	60.9	42.1	21.0	10.3	29.1	8.3

– Represents zero. [1] Detail does not add to total because some households have more than one of the types of interest-earning assets specified. [2] Includes other races, not shown separately. [3] Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 7.

Digitized by Google

No. 800. Money Stock and Liquid Assets: 1970 to 1987

[**In billions of dollars, except percent.** As of **December,** except as indicated. Seasonally adjusted averages of daily figures. See *Historical Statistics, Colonial Times to 1970,* series X 410–417 for similar data]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, Mar
M1 [1]	217	291	363	391	417	443	481	527	558	627	731	740
M2 [1]	628	1,023	1,389	1,500	1,633	1,796	1,954	2,185	2,369	2,570	2,800	2,826
M3 [1]	678	1,172	1,647	1,807	1,991	2,236	2,443	2,693	2,985	3,206	3,489	3,525
L [1]	816	1,367	1,911	2,120	2,328	2,599	2,853	3,155	3,529	3,839	4,141	4,177
Currency	49	74	98	106	117	124	134	148	159	171	184	188
Demand deposits	166	214	253	261	265	235	238	242	248	272	308	299
Travelers checks	1	2	4	4	4	4	4	5	5	6	6	7
Other checkable deposits [2]	(z)	1	9	20	31	80	105	131	146	178	232	246
Savings deposits	261	389	482	424	401	344	357	306	289	304	366	396
Money market deposit accounts [3]	(z)	(z)	(z)	(z)	(z)	(z)	43	379	417	513	571	571
Small denomination time deposits [3]	151	336	521	634	729	823	852	785	886	885	854	845
Large denomination time deposits [4]	45	130	196	223	260	302	329	328	419	438	448	453
Money market mutual funds, total [2]	(z)	3	10	43	77	189	236	181	230	242	292	297
General purpose and broker/dealer [2]	(z)	3	8	33	62	151	185	138	168	177	208	212
Institution only [2]	(z)	(z)	3	10	15	38	51	43	63	65	84	85
Overnight repurchase agreements and Eurodollars [5]	1	6	20	21	28	36	39	54	56	70	77	77
Annual percent change: [6]												
M1	5.0	6.1	8.3	7.7	6.5	6.4	8.8	9.5	5.8	12.5	16.5	[8] 15.5
M2	8.5	7.9	8.0	8.0	8.9	9.9	8.9	11.8	8.4	8.5	9.0	[8] 8.7
M3	7.1	11.6	11.8	9.7	10.2	12.3	9.2	10.2	10.9	7.4	8.9	[8] 7.9
L	6.9	10.9	12.1	10.9	9.8	11.7	9.8	10.6	11.9	8.8	7.9	[8] 7.1

Z Less than $500 million. [1] M1 is currency plus demand deposits plus travelers checks of nonbank issuers plus other checkable deposits at banks and thrift institutions; M2 is M1 plus overnight RP's and Eurodollars, balances of general purpose and broker/dealer money market mutual fund shares, money market deposits accounts, and savings and small time deposits at commercial banks and thrift institutions; M3 is M2 plus large time deposits and term RP's at commercial banks and thrift institutions, term Eurodollars, and balance of institutions—only money market mutual funds; and L is M3 plus other liquid assets such as savings bonds, short-term Treasury securities, bankers' acceptances, and commercial paper. [2] Not seasonally adjusted. [3] Issued in amounts of less than $100,000. Includes retail repurchase agreements. Excludes individual retirement accounts and Keogh accounts at commercial banks and thrifts. [4] Issued in amounts of $100,000 or more and are net of holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions. [5] From previous year shown; for 1970, from 1965. For definition of annual percent change, see Guide to Tabular Presentation. [6] Change from March 1986–March 1987.

No. 801. Bank Debits and Deposit Turnover: 1971 to 1986

[**Debits in trillions of dollars; turnover as ratio of debits to deposits.** Annual averages of monthly data]

ITEM	1971	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Debits to:												
Demand deposits, all banks [1]	11.3	25.1	34.3	40.2	49.8	63.1	81.2	91.0	109.5	128.1	154.1	189.4
Major New York City banks	4.1	9.7	13.8	15.0	18.5	25.2	34.0	38.0	47.7	57.3	70.4	91.3
Other banks	7.3	15.4	20.4	25.2	31.3	37.8	47.2	53.0	61.8	70.8	83.7	98.1
ATS/NOW accounts [2]	(NA)	(NA)	(NA)	(z)	(z)	.2	.7	1.0	1.4	1.8	1.9	2.3
Money market deposit accounts (MMDA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.8	.8	1.2	1.6
Savings deposits [3]	(NA)	(NA)	(NA)	.4	.6	.7	.7	.7	.7	.8	.5	.4
Deposit turnover:												
All banks [1]	64	105	129	139	163	203	286	325	380	433	497	512
Major New York City banks	171	358	502	542	644	815	1,114	1,296	1,510	1,839	2,191	2,474
Other banks	47	73	86	96	113	135	186	212	241	244	302	326

NA Not available. Z Less than $50 billion. [1] Represents accounts of individuals, partnerships, and corporations, and of States and political subdivisions at insured commercial banks. [2] Accounts authorized for negotiable orders of withdrawal (NOW) and accounts authorized for automatic transfer to demand deposits (ATS). [3] Excludes ATS and NOW accounts, MMDA and special club accounts, such as Christmas and vacation clubs.

No. 802. Federal Reserve Bank of New York—Discount Rates: 1976 to 1987

[**Percent per year.** Rates for short-term adjustment credit. For rates applicable to other types of discount window credit, see source. See also *Historical Statistics, Colonial Times to 1970,* series X 454–455]

EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate	EFFECTIVE DATE	Rate
1976: Jan. 19	5¼	**1979:** July 20	10	**1981:** May 5	14	**1984:** April 9	9
Nov. 22	5¼	Aug. 17	10½	Nov. 2	13	Nov. 21	8½
1977: Aug. 31	5¾	Sept. 19	11	Dec. 4	12	Dec. 24	8
Oct. 26	6	Oct. 8	12	**1982:** July 20	11½	**1985:** May 20	7½
1978: Jan. 9	6½	**1980:** [1] Feb. 15	13	Aug. 2	11	**1986:** March 7	7
May 11	7	May 30	12	Aug. 16	10½	April 21	6½
July 3	7¼	June 13	11	Aug. 27	10	July 11	6
Aug. 21	7¾	July 28	10	Oct. 12	9½	Aug. 21	5½
Sept. 22	8	Sept. 26	11	Nov. 22	9		
Oct. 16	8½	Nov. 17	12	Dec. 15	8½	In effect, **June 30, 1987**	5½
Nov. 1	9½	Dec. 5	13				

[1] See table 803, footnote 5.

Source of tables 800–802: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly, and *Annual Statistical Digest.*

192-073 O - 88 - 17 : QL 3

Digitized by Google

No. 803. Money Market Interest Rates and Mortgage Rates: 1970 to 1986

[**Percent per year.** Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970* series X 444–453]

TYPE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Federal funds, effective rate	7.18	5.82	5.54	7.93	11.19	13.36	16.38	12.26	9.09	10.23	8.10	6.80
Commercial paper, 3-month [1] [2]	(NA)	6.25	5.55	7.94	10.97	12.66	15.33	11.89	8.88	10.10	7.95	6.48
Prime rate charged by banks	7.91	7.86	6.82	9.06	12.67	15.27	18.87	14.86	10.79	12.04	9.93	8.33
Eurodollar deposits, 3-month	8.52	7.03	6.03	8.78	11.96	14.00	16.79	13.12	9.57	10.75	8.27	6.70
Finance paper, 3-month [2] [3]	7.18	6.15	5.49	7.80	10.47	11.49	14.08	11.23	8.70	9.73	7.77	6.38
Bankers acceptances, 90-day [2] [4]	7.31	6.29	5.54	8.06	10.99	12.72	15.32	11.89	8.90	10.14	7.92	6.39
Large negotiable certificates of deposit, 3-month, secondary market	7.56	6.44	5.64	8.22	11.22	13.07	15.91	12.27	9.07	10.37	8.05	6.52
Federal Reserve discount rate [5]	5½–6	6–7¾	5¼–6	6–9½	9½–12	10–13	12–14	8½–12	8½	8–9	7½–8	5½–7½
U.S. Government securities: [6]												
3-month Treasury bill	6.39	5.78	5.27	7.19	10.07	11.43	14.03	10.61	8.61	9.52	7.48	5.98
6-month Treasury bill	6.51	6.09	5.53	7.58	10.06	11.37	13.80	11.07	8.73	9.76	7.65	6.03
1-year Treasury bill	6.48	6.28	5.71	7.74	9.75	10.89	13.14	11.07	8.80	9.92	7.81	6.08
Prime 1-year municipals [7]	4.35	3.91	2.91	4.15	5.34	6.25	7.92	7.88	5.29	6.05	5.12	4.33
Home mortgages (HUD series [8]): FHA insured, secondary market [9]	9.03	9.19	8.68	9.70	10.87	13.44	16.31	15.31	13.11	13.82	12.24	9.91
Conventional, new-home [10] [11]	8.52	9.10	8.95	9.66	11.15	13.95	16.52	15.79	13.43	13.80	12.28	10.07
Conventional, existing-home [10]	8.56	9.14	9.00	9.70	11.16	13.95	16.55	15.82	13.45	13.81	12.29	10.09

NA Not available. [1] Based on daily offering rates of dealers. [2] Yields are quoted on a bank-discount basis, rather than an investment yield basis (which would give a higher figure). [3] Placed directly; averages of daily offering rates quoted by finance companies. [4] Based on the most representative daily offering rates of dealers. Beginning Aug. 15, 1974, closing rates were used, and from Jan. 1, 1981, rates of top-rated banks only. [5] Federal Reserve Bank of New York, low and high. The discount rates for 1980 and 1981 do not include the surcharge applied to frequent borrowings by large institutions. The surcharge reached 3 percent in 1980 and 4 percent in 1981. Surcharge was eliminated in Nov. 1981. [6] Averages based on daily closing bid yields in secondary market, bank discount basis. [7] Averages based on quotations for one day each month. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads*. [8] HUD = Housing and Urban Development. [9] Averages based on quotations for 1 day each month as compiled by FHA. [10] Primary market. [11] Average contract rates on new commitments.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and *Annual Statistical Digest*.

No. 804. Selected Time Deposits and Other Accounts at Insured Commercial Banks—Deposits and Interest Rates: 1983 to 1987

[Estimates based on data collected from a sample of about 550 banks]

TYPE OF DEPOSIT	AMOUNT OUTSTANDING (mil. dol.)					AVERAGE RATE PAID (percent)				
	1983, Dec.	1984, Dec.	1985, Dec.	1986, Dec.	1987, Mar.	1983, Dec.	1984, Dec.	1985, Dec.	1986, Dec.	1987, Mar.
"Super NOW" accounts [1]	28,769	34,686	44,545	164,247	162,976	7.30	7.01	5.99	5.00	4.89
Money market deposit accounts [2]	231,593	271,160	330,077	379,998	374,642	8.36	6.10	6.71	5.19	5.12
Money market certificates: [3]										
7–31 day	4,815	5,354	5,318	6,101	6,177	8.50	8.01	6.85	5.45	5.41
32–91 day	14,653	17,953	20,966	21,601	21,232	8.61	8.07	7.16	5.62	5.48
92–182 day	177,543	185,349	147,777	131,483	126,728	9.42	8.77	7.50	5.70	5.71
183 day–1 year	22,720	59,429	66,131	72,227	75,257	9.56	9.11	7.77	5.93	5.99
1–2½ year	43,431	69,875	81,172	83,761	84,828	10.07	9.73	8.24	6.22	6.25
2½ year or more	111,409	107,119	115,355	120,699	119,228	10.48	10.18	8.73	6.61	6.64
All IRA and Keogh Plan deposits	30,144	44,033	59,352	73,127	75,999	(NA)	(NA)	(NA)	(NA)	(NA)
Retail repurchase agreements [4]	1,342	1,228	1,294	1,062	1,056	8.19	7.49	6.77	5.37	5.10

NA Not available. [1] Negotiable order of withdrawal accounts containing an agreement between depositor and depository such that some or all funds deposited are eligible to earn more than 5.25 percent. As of January 1, 1986 interest rate ceilings were removed from all NOW accounts. Beginning with the December 1986 data the "Super NOW" accounts category includes all NOW accounts, including those accounts which were subject to a 5.25 percent regulatory interest rate restriction prior to January 1, 1986. Estimates for NOW accounts beginning in December 1986 are based on reports of deposits. [2] Deposits with no minimum balance requirement and no required minimum maturity but institutions must reserve the right to require at least seven days' notice prior to withdrawal, no restrictions on depositor eligibility, or limitations on the amount of interest that may be paid; such accounts may allow up to six transfers per month, no more than three of which may be draft and may permit unlimited withdrawals by mail, messenger, or in person. Estimates based on reports of deposits. [3] All interest-bearing time certificates and open account time deposits with balances of less than $100,000, including those held in IRAs and Keogh Plan deposits. [4] Retail repurchase agreements are in denominations of less than $100,000 with maturities of less than 90 days that arise from the transfer of direct obligations of, or obligations fully-guaranteed as to principal and interest by, the U.S. Government or an agency thereof.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Statistical Release H6*, monthly.

Digitized by Google

No. 805. Bond and Stock Yields: 1970 to 1986

[Percent per year. Annual averages of monthly data, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series X 474–491]

TYPE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
U.S. Treasury, constant maturities: [1] [2]											
3-year	7.29	7.49	8.29	9.72	11.55	14.44	12.92	10.45	11.89	9.64	7.07
5-year	7.38	7.77	8.32	9.52	11.48	14.24	13.01	10.80	12.24	10.13	7.31
10-year	7.35	7.99	8.41	9.44	11.46	13.91	13.00	11.11	12.44	10.62	7.68
20-year	6.86	8.19	8.46	9.33	11.39	13.72	12.92	11.34	12.48	10.97	7.85
U.S. Govt., long-term bonds [2] [3]	6.58	6.96	7.89	8.74	10.81	12.87	12.23	10.84	11.99	10.75	8.14
State and local govt. bonds, Aaa [4]	6.12	6.42	5.52	5.92	7.86	10.42	10.86	8.80	9.61	8.60	6.95
State and local govt. bonds, Baa [4]	6.75	7.62	6.27	6.73	9.02	11.76	12.46	10.17	10.38	9.58	7.76
High-graded municipal bonds (Standard & Poor's) [5]	6.51	6.89	5.90	6.39	8.51	11.23	11.57	9.47	10.15	9.18	7.38
Municipal (Bond Buyer, 20 bonds)	6.35	7.05	6.03	6.52	8.59	11.33	11.66	9.51	10.10	9.11	7.32
Corporate Aaa seasoned [4]	8.04	8.83	8.73	9.63	11.94	14.17	13.79	12.04	12.71	11.37	9.02
Corporate Baa seasoned [4]	9.11	10.61	9.49	10.69	13.67	16.04	16.11	13.55	14.19	12.72	10.39
Corporate Aaa utility bonds [6]	8.72	9.17	8.90	9.92	12.68	15.65	14.71	12.25	13.40	11.67	9.09
Corporate, by years to maturity: [7]											
5 years	8.10	7.70	7.75	9.40	12.80	13.25	13.78	9.90	10.20	10.40	7.35
10 years	8.00	8.00	7.98	9.35	12.40	13.00	13.99	10.55	11.80	11.60	8.05
20 years	7.60	8.35	8.20	9.08	12.30	13.00	14.00	11.05	12.60	12.50	8.50
30 years	7.60	8.35	8.25	9.10	12.30	13.00	14.00	11.00	12.60	12.75	8.50
Corporate (Moody's) [4]	8.51	9.57	9.07	10.12	12.75	15.06	14.94	12.78	[8] 13.49	12.05	9.71
Industrials (38 bonds) [9]	8.26	9.25	8.90	9.85	12.35	14.50	14.54	12.25	13.21	11.80	9.96
Railroads (13 bonds) [10]	8.77	9.39	8.64	9.80	11.48	13.22	13.68	12.08	13.07	11.94	9.85
Public utilities (40 bonds)	8.66	9.66	9.22	10.39	13.15	15.62	15.33	13.31	[8] 14.03	12.29	9.46
Stocks (Standard & Poor's): [4]											
Preferred (10 stocks) [11]	7.22	8.36	8.25	9.11	10.80	12.36	12.53	11.02	11.59	10.44	8.76
Common: Composite (500 stocks)	3.83	4.31	5.28	5.47	5.26	5.20	5.81	4.40	4.64	4.25	3.49
Industrials (400 stocks)	3.62	3.96	5.06	5.20	4.95	4.90	5.48	4.04	4.05	3.76	3.09

[1] Yields on the more actively traded issues adjusted to constant maturities by the U.S. Treasury. [2] Yields are based on closing bid prices quoted by at least five dealers. [3] Averages (to maturity or call) for all outstanding bonds neither due nor callable in less than 10 years, including several very low yielding "flower" bonds. [4] Source: Moody's Investors Service, New York, NY. [5] Source: Standard & Poor's Corp., New York, NY, *Standard & Poor's Outlook*, weekly. [6] Based on first trading day of each month, deferred call, new issue estimate. Source: Salomon Brothers, Inc., New York, NY, *An Analytical Record of Yields and Yield Spreads*. [7] Source: Scudder, Stevens & Clark, New York, NY, unpublished data. [8] The Aaa public utility average was suspended on Jan. 17, 1984 because of a lack of appropriate issues. The average corporate does not include Aaa utilities from Jan. 17 to Oct. 12. The Aaa utility average was reinstated on Oct. 12. Thirty public utility bonds were used during the period Jan. 17–Oct. 12, 1984. [9] Covers 40 bonds for period 1970–1983. [10] Covers 23 bonds for period 1970–1981, 15 bonds for 1982, and 17 bonds for 1983. [11] Yields based on 10 stocks, 4 yields. Issues converted to a price equivalent to $100 par and a 7 percent annual dividend before averaging.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 806. Sales of Stocks and Options on Registered Exchanges: 1970 to 1986

[Excludes over-the-counter trading. See also *Historical Statistics, Colonial Times to 1970*, series X 517–530]

EXCHANGE	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Market value of all sales, all exchanges [1]	Bil. dol.	136	173	324	522	532	657	1,023	1,004	1,260	1,794
New York	Bil. dol.	108	143	252	398	416	515	816	815	1,024	1,451
American	Bil. dol.	15	6	27	47	40	34	48	32	38	63
Midwest	Bil. dol.	5	7	12	21	25	35	60	62	79	102
Chicago	Bil. dol.	–	6	14	28	22	32	39	35	38	56
Pacific	Bil. dol.	5	5	9	13	13	21	31	31	40	55
Philadelphia	Bil. dol.	3	3	7	11	11	14	20	19	23	35
STOCKS [2]											
Shares sold, all exchanges [2]	Million	4,539	8,226	10,850	15,488	15,910	22,414	30,146	30,456	37,046	48,229
New York	Million	3,213	5,056	8,675	12,390	12,643	18,211	24,253	25,150	30,222	39,150
American	Million	879	541	1,161	1,659	1,472	1,550	2,209	1,584	2,115	2,999
Midwest	Million	149	252	362	598	735	1,144	1,662	1,843	2,274	2,784
Pacific	Million	165	199	355	435	457	810	1,070	1,006	1,352	1,750
Market value, all exchanges [2]	Bil. dol.	131	157	300	476	491	603	957	951	1,200	1,702
New York	Bil. dol.	103	134	251	398	416	514	815	814	1,023	1,446
American	Bil. dol.	14	6	21	35	26	20	31	21	26	43
Midwest	Bil. dol.	5	7	12	21	25	35	60	62	79	102
Pacific	Bil. dol.	5	5	8	11	11	18	27	28	37	51
OPTIONS [3]											
Contracts traded, all exchanges [2]	Million	(NA)	18	89	97	109	137	149	197	233	269
Chicago	Million	(NA)	14	35	53	58	76	82	123	149	180
American	Million	(NA)	4	19	29	35	39	39	40	49	65
Market value of contracts traded, all exchanges [2]	Bil. dol.	(NA)	6.4	29.2	45.8	41.7	53.7	64.2	53.0	59.1	87.9
Chicago	Bil. dol.	(NA)	6.3	13.8	27.9	22.4	32.3	39.4	34.9	38.4	55.9
American	Bil. dol.	(NA)	(NA)	6.4	12.5	13.8	14.3	15.8	10.5	11.6	19.0
Options exercised:											
Number of contracts	Million	(NA)	.3	2.5	4.9	7.4	9.2	13.6	11.9	8.9	14.5
Value	Bil. dol.	(NA)	1.3	10.9	20.4	34.6	37.1	65.1	55.6	49.2	72.8

– Represents zero. NA Not available. [1] Includes market value of rights and warrants and, through 1975, bond sales. Excludes the value of options exercised. [2] Includes other registered exchanges, not shown separately. [3] Includes voting trust certificates, American Depository Receipts, and certificate of deposit for stocks. [4] Includes non-equity options as of October 1982.

Source: U.S. Securities and Exchange Commission, *SEC Monthly Statistical Review*.

Digitized by Google

No. 807. Security Prices: 1970 to 1986

[Annual averages of monthly figures, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series X 492–498]

CLASS OR ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Bond prices (dollars per $100 bond):										
Standard & Poor's: Municipal [1]	72.3	68.9	73.4	57.4	43.2	41.6	51.4	48.0	53.0	65.1
Dow Jones and Co., Inc.: [2]										
Yearly high	69.7	69.7	86.1	76.6	65.8	71.5	77.6	72.9	83.7	93.7
Yearly low	64.4	66.2	73.4	61.0	55.0	55.7	69.4	64.8	72.3	83.7
Stock prices:										
Standard & Poor's common index (500 stocks) (1941–43 = 10) [3]	83.2	86.2	103.0	118.7	128.0	119.7	160.4	160.5	186.8	236.3
Industrial	91.3	98.6	114.8	134.5	144.2	133.6	180.5	181.3	207.8	262.2
N.Y. Stock Exchange common stock index (Dec. 31, 1965 = 50):										
Composite	45.7	45.7	58.3	66.1	74.0	68.9	92.6	92.5	108.1	136.0
Yearly high [4]	52.4	51.2	63.4	61.0	79.1	82.4	99.6	98.1	121.9	145.8
Yearly low [4]	37.7	37.1	53.9	55.3	65.0	58.8	79.8	85.1	94.6	117.8
Industrial	48.0	50.5	64.8	78.6	85.4	76.2	107.5	108.0	123.8	156.9
Transportation	32.1	31.1	47.3	60.5	72.6	60.4	89.4	85.6	104.1	119.9
Utility	37.2	31.5	38.2	37.3	38.9	39.8	47.0	46.4	56.8	71.4
Finance	54.6	47.1	61.4	64.3	73.5	72.0	95.3	89.3	114.2	147.2
American Stock Exchange Market Value Index (Aug. 31, 1973 = 50)	48.3	41.6	97.6	150.6	171.8	141.3	216.5	208.0	229.1	264.4
NASDAQ OTC composite [5]	(NA)	77.6	151.1	202.3	195.9	232.4	278.6	247.4	324.9	348.8
Industrial	(NA)	81.0	175.2	261.4	229.3	273.6	323.7	260.7	330.2	349.3
Insurance	(NA)	80.9	162.0	166.8	194.3	226.4	257.6	283.1	382.1	404.1
Banks	(NA)	72.4	108.2	118.4	143.1	156.4	203.6	229.6	349.4	412.5
Dow Jones and Co., Inc., total (65 stocks) [6]	243.9	247.3	293.5	328.2	364.6	345.4	472.2	463.1	541.6	702.5
Industrial (30 stocks)	753.2	802.8	844.4	891.4	932.9	884.4	1,190.3	1,178.5	1,328.2	1,792.6
Transportation (20 stocks)	152.4	163.4	237.8	307.2	396.6	359.6	544.6	513.8	645.1	785.4
Public utility (15 stocks)	108.8	79.8	104.6	110.4	108.6	112.0	130.0	131.6	157.6	195.2
Wilshire 5000 equity index [7] (Dec. 31, 1980 = 1404.596)	* 830.3	763.8	1,028.9	1,220.7	1,343.7	1,233.7	1,691.5	1,644.6	1,923.6	2,416.8
Standard & Poor's:										
Dividend-price ratio (percent)	3.83	4.31	5.47	5.26	5.20	5.81	4.40	4.64	4.25	3.48
Earnings-price ratio (percent)	6.45	9.14	13.46	12.66	11.67	11.30	8.02	10.02	8.04	6.10

NA Not available. [1] Derived from average yields on basis of assumed 4 percent, 20-year bond; Wednesday closing prices. [2] Source: Dow Jones and Co., Inc., New York, NY. Effective June 30, 1976, the Dow Jones averages of 20 income railroad bonds were discontinued. With the dropping of the rail averages, which had been part of the Dow-Jones 40-bond average, the 40-bond average became a 20-bond average consisting of 10 utility bonds and 10 industrial bonds. [3] Effective July 1976, the index includes 400 industrial stocks (formerly 425), 20 transportation (formerly 15 rail), 40 public utility (formerly 60), and 40 financial stocks, not previously covered. [4] Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual. [5] Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual. OTC = over-the-counter. [6] Source: U.S. Bureau of Economic Analysis. Based on stocks listed on the New York Stock Exchange. [7] Represents return on the market value of all common equity securities for which daily pricing is available. For 1970–1979, annual average of end of month figures; thereafter, annual average of daily figures. Source: Wilshire Associates, Santa Monica, CA, releases. * Represents Dec. 31, 1970.

Source: Except as noted, Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly

No. 808. Volume of Trading on New York Stock Exchange: 1970 to 1986

[**Round lot:** A unit of trading or a multiple thereof. On the NYSE the unit of trading is generally 100 shares in stocks. For some inactive stocks, the unit of trading is 10 shares. **Odd lot:** An amount of stock less than the established 100-share unit or 10-share unit of trading]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Shares traded	Million	3,124	4,839	7,371	8,336	11,562	12,049	16,669	21,846	23,309	27,774	35,009
Round lots	Million	2,937	4,693	7,205	8,156	11,352	11,854	16,458	21,590	23,071	27,511	35,680
Average daily shares	Million	11.6	18.6	28.6	32.2	44.9	46.9	65.1	85.3	91.2	109.2	141.0
High day	Million	21.3	35.2	66.4	81.6	84.3	92.9	149.4	129.4	236.6	181.0	244.3
Low day	Million	6.7	8.7	7.6	18.3	16.1	23.9	36.8	53.0	46.4	62.1	48.9
By size: [1]												
At 100–900 shares	Percent	(NA)	42.1	30.2	27.5	24.7	21.1	16.2	14.6	11.3	10.6	10.8
At 1,000–4,900 shares	Percent	(NA)	31.4	33.9	33.7	32.2	31.0	28.5	26.7	25.1	24.1	25.7
At 5,000–9,900 shares	Percent	(NA)	8.7	10.8	11.4	11.4	12.1	12.8	12.7	13.8	13.8	13.9
At 10,000 shares over [2]	Percent	(NA)	17.9	25.0	27.4	31.7	35.6	42.5	46.0	49.6	51.5	49.6
Odd lots	Million	186	146	166	180	209	196	211	256	238	263	329
Value of shares traded	Bil. dol	102.5	131.7	205.6	244.5	382.4	396.1	495.1	775.3	773.4	980.8	1,388.8
Round lots	Bil. dol	95.3	126.7	199.9	238.2	374.9	389.2	488.4	765.3	764.7	970.5	1,374.3
Odd lots	Bil. dol	7.2	5.0	5.7	6.3	7.5	6.9	6.7	10.1	8.7	10.3	14.5
Bond volume [3]	Mil. dol	4,495	5,178	4,554	4,088	5,190	5,733	7,155	7,572	6,982	9,046	10,484
Daily average	Mil. dol	17.7	20.5	18.1	16.2	20.5	22.7	28.3	29.9	27.6	35.9	41.4

NA Not available. [1] Share volume of reported trades by size (percent of total) on New York Stock Exchange. [2] Includes bunched orders at the opening and re-opening of trading. [3] Par value.

Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

Digitized by Google

No. 809. Securities Listed on N.Y. Stock Exchange: 1970 to 1986

[As of **December 31**, except **cash dividends** are for **calendar year**]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Bonds:												
Number of issuers	Number	843	1,066	1,045	1,043	1,045	1,049	1,031	1,034	1,024	1,010	951
Number of issues	Number	1,729	2,632	2,895	2,939	3,057	3,110	3,233	3,600	3,751	3,656	3,611
Face value	Bil. dol.	135	334	509	526	602	681	793	965	1,084	1,327	1,380
Market value	Bil. dol.	113	315	465	460	508	574	768	898	1,022	1,339	1,458
Average price	Percent	83.60	91.89	91.37	87.36	84.41	84.24	96.67	93.04	94.29	100.90	105.66
Stocks:												
Number of companies	Number	1,351	1,557	1,581	1,565	1,570	1,565	1,526	1,550	1,543	1,541	1,575
Number of issues	Number	1,840	2,111	2,194	2,192	2,228	2,220	2,225	2,307	2,319	2,298	2,257
Shares listed	Billion	16.1	22.5	27.6	30.0	33.7	38.3	39.5	45.1	49.1	52.4	59.6
Market value	Bil. dol.	636	685	823	961	1,243	1,144	1,305	1,584	1,586	1,950	2,199
Average price	Dollars	39.61	30.48	29.84	31.99	36.87	29.67	33.03	35.11	32.31	37.20	36.89
Cash dividends on common stock	Bil. dol.	19.6	26.9	41.2	46.9	53.1	60.6	62.2	67.1	68.2	74.2	76.2

Source: New York Stock Exchange, Inc., New York, NY, *Fact Book*, annual.

No. 810. NASDAQ—Securities Listed and Volume of Trading: 1975 to 1986

ITEM	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Companies listed	Number	2,467	2,475	2,543	2,894	3,353	3,264	3,901	4,097	4,136	4,417
Issues	Number	2,579	2,582	2,670	3,050	3,687	3,664	4,467	4,723	4,784	5,189
Shares traded	Million	1,390	2,762	3,651	6,692	7,823	6,432	15,909	15,159	20,699	28,737
Average daily volume	Million	5.5	11.0	14.4	26.5	30.9	33.3	62.6	59.9	82.1	113.6
Value of shares traded	Bil. dol.	21.2	36.1	44.3	68.7	71.1	84.2	188.3	153.5	233.5	378.2

Source: National Association of Securities Dealers, Washington, DC, *Fact Book*, annual.

No. 811. Stock Ownership—Characteristics of Shareowners: 1970 to 1985

[**In thousands.** Represents all publicly owned issues of common and preferred stocks including stock mutual funds. Based on national probability samples; see source for detailed explanation]

CHARACTERISTIC	1970	1975	1980	1983	1985
Total [1]	**30,850**	**25,270**	**30,200**	**42,360**	**47,040**
Male	15,689	12,698	15,666	20,864	23,699
Female	15,161	12,508	14,534	21,496	23,341
Age:					
Under 21 years	2,221	1,616	2,308	2,749	2,260
21–34 years	4,500	2,838	6,407	10,552	11,093
35–44 years	5,801	3,976	5,925	8,346	10,982
45–54 years	7,556	5,675	5,456	6,586	7,899
55–64 years	6,084	5,099	5,144	6,850	6,217
65 years and over	4,330	5,800	4,589	7,277	6,589

CHARACTERISTIC	1970	1975	1980	1983	1985
Education:					
High school: [2]					
3 years or less	3,566	1,621	1,746	2,356	2,513
4 years	6,697	6,580	5,737	6,788	7,869
College: [3]					
1–3 years	5,867	5,301	9,353	13,529	13,937
4 years or more	9,999	9,886	10,613	14,375	19,654
Minors [4]	2,221	1,616	2,308	2,749	2,260
Income: [4]					
Under $10,000	6,168	3,416	1,742	1,460	2,151
$10,000–$14,999	8,346	4,552	3,180	2,596	1,193
$15,000–$24,999	7,670	6,778	6,930	6,579	7,116
$25,000–$49,999	4,114	5,426	11,623	17,168	21,369
$50,000 and over		1,216	3,982	7,918	11,321

[1] Includes small number of shareowners not distributed by breakdown. [2] Persons 21 years old and over. [3] Shareowners whose stockholdings are registered in accordance with the Gifts to Minors Statutes. [4] Adult shareowners only.

Source: New York Stock Exchange, Inc., New York, NY, *Shareownership*, periodic.

No. 812. Commodity Futures Trading on U.S. Exchanges—Volume of Trading: 1970 to 1986

[**In thousands. 1970** for year ending **June 30**; thereafter, for years ending **Sept. 30**]

COMMODITY	1970	1980	1981	1982	1983	1984	1985	1986
Number of contracts traded	**12,398**	**82,691**	**101,124**	**107,644**	**136,077**	**148,822**	**152,590**	**183,098**
Grain	2,162	16,287	19,808	14,885	17,794	15,889	10,726	10,315
Oilseeds/products	3,877	15,692	20,315	15,763	19,823	23,489	14,883	13,799
Livestock/products	3,432	11,808	9,804	10,968	11,063	8,429	7,926	6,571
Other agriculturals	2,017	7,787	4,578	4,885	6,324	5,958	5,141	6,700
Energy products	–	1,087	3,261	2,301	3,204	4,946	7,025	11,531
Metals	1,110	14,099	17,670	19,307	26,318	22,447	16,383	16,234
Financial instruments	–	10,213	20,091	31,251	40,155	51,003	72,127	96,687
Currencies	–	3,719	5,398	6,284	11,398	16,681	16,377	19,061

– Represents zero.

Source: U.S. Commodity Futures Trading Commission, *Annual Report*.

Digitized by Google

No. 813. Mutual Funds—Net Assets, Sales, and Redemptions: 1970 to 1986

[In billions of dollars, except number of funds. See also *Historical Statistics, Colonial Times to 1970*, series X 536–539]

TYPE OF FUND	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of funds	361	426	477	505	524	564	669	857	1,026	1,352	1,531	1,840
Assets	47.6	45.8	48.5	55.8	94.5	134.7	241.4	296.8	292.9	370.7	495.5	716.3
Money market funds	(x)	3.6	3.5	10.9	45.2	74.4	181.9	206.6	162.5	209.7	207.5	228.3
Equity funds	45.1	37.5	34.1	32.7	35.9	44.4	41.2	53.6	77.0	78.1	108.6	152.5
Income and bond funds	2.5	4.7	6.4	9.3	10.1	11.1	11.0	15.8	22.0	36.3	102.1	196.0
Municipal bond funds	(x)	(x)	2.3	2.6	3.0	2.9	3.1	7.4	14.6	20.8	39.4	75.7
Limited maturity municipal bonds [1]	(x)	(x)	(x)	(x)	(x)	1.9	4.2	13.2	16.8	23.8	36.3	63.6
Sales	4.6	10.1	17.1	37.2	119.3	247.5	472.2	627.0	547.8	680.1	953.8	1,205.7
Money market funds	(x)	6.8	10.7	30.5	111.9	232.2	451.9	581.8	463.0	572.0	730.1	792.3
Equity funds	4.2	2.6	2.4	2.8	3.1	5.6	6.0	8.3	22.4	18.2	26.8	54.3
Income and bond funds	.4	.7	1.6	2.0	2.0	2.6	2.3	4.0	8.8	17.8	68.1	121.7
Municipal bond funds	(x)	(x)	2.1	1.8	1.7	1.8	1.5	3.5	9.1	9.8	19.4	39.9
Limited maturity municipal bonds [1]	(x)	(x)	(x)	(x)	(x)	5.3	10.5	29.4	44.5	62.3	109.4	197.5
Redemptions	3.0	9.6	16.7	31.5	86.8	216.5	382.6	588.4	585.8	607.0	864.9	1,015.6
Money market funds	(x)	5.9	10.7	24.3	78.4	204.5	346.7	559.6	506.7	531.0	732.3	776.3
Equity funds	2.8	3.3	4.7	5.1	5.7	5.7	5.1	5.2	9.3	10.4	17.3	25.6
Income and bond funds	.2	.4	.8	1.0	1.4	1.5	1.6	1.7	3.8	5.6	12.2	32.3
Municipal bond funds	(x)	(x)	.5	1.1	.9	1.0	.8	.7	2.3	4.1	4.3	9.1
Limited maturity municipal bonds [1]	(x)	(x)	(x)	(x)	(x)	3.8	8.3	21.2	42.4	55.9	98.8	172.3

X Not applicable. [1] The average maturity of the portfolio is generally less than two years.

Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual.

No. 814. U.S. Life Insurance Companies—Summary: 1970 to 1986

[As of **December 31** or **calendar year**, as applicable. Covers domestic and foreign business of U.S. companies. See also *Historical Statistics, Colonial Times to 1970*, series X 879 and X 890–917]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
U.S. companies	Number	1,780	1,746	1,895	1,958	1,991	2,060	2,117	2,193	2,261	2,321
Sales [1]	Bil. dol.	207	317	527	655	1,139	920	1,279	1,390	1,530	1,578
Ordinary	Bil. dol.	135	207	359	462	700	661	972	1,074	1,187	1,178
Group [1]	Bil. dol.	65	103	162	190	436	257	306	315	342	400
Industrial	Bil. dol.	7	7	5	4	3	2	2	1	1	(Z)
Income	Bil. dol.	49.1	78.0	119.1	130.9	151.9	170.8	176.0	206.1	234.0	262.3
Life insurance premiums	Bil. dol.	21.7	29.3	39.1	40.8	46.3	50.6	50.3	51.3	60.1	66.2
Percent of total	Percent	44.2	37.6	32.8	31.2	30.5	29.9	28.6	24.9	25.7	23.5
Annuity considerations	Bil. dol.	3.7	10.2	17.9	22.4	27.6	34.8	30.5	42.8	53.9	83.7
Health insurance premiums	Bil. dol.	11.4	19.1	27.9	29.4	31.8	35.0	38.2	40.7	41.8	44.2
Investment and other	Bil. dol.	12.3	19.4	34.2	38.3	46.2	49.6	57.0	71.3	78.2	88.2
Disbursements	Bil. dol.	30.0	58.2	81.1	88.2	101.8	113.3	123.5	138.5	151.8	166.5
Payments to policyholders [2]	Bil. dol.	25.6	38.1	53.7	59.0	65.1	71.2	80.9	89.8	95.7	[3] 131.4
Percent of total	Percent	65.6	65.5	66.2	66.9	63.9	62.8	65.5	64.8	63.0	70.5
Death payments	Bil. dol.	7.2	9.3	11.8	12.9	13.6	14.5	16.8	17.6	18.5	19.8
Matured endowments	Bil. dol.	1.0	1.0	.9	.8	.7	.6	.6	.7	.8	.8
Annuity payments	Bil. dol.	1.7	3.2	6.6	7.4	9.6	10.3	12.7	18.0	19.7	17.8
Policy dividends	Bil. dol.	3.8	5.1	7.6	8.1	9.3	9.6	10.8	11.4	12.4	12.4
Surrender values	Bil. dol.	2.9	3.8	5.5	6.4	7.1	9.8	12.5	14.5	15.9	[3] 48.6
Disability benefits	Bil. dol.	.2	.4	.8	.5	.6	.5	.5	.4	.5	.5
Commissions, expenses, etc	Bil. dol.	12.9	19.4	25.9	27.8	35.1	40.3	40.7	46.0	53.1	[3] 51.4
Dividends to stockholders	Bil. dol.	.5	.7	1.5	1.4	1.6	1.8	1.9	2.7	3.0	3.7
Taxes, licenses and fees	Bil. dol.	2.2	3.5	5.5	4.8	4.2	4.4	4.3	6.1	7.8	8.7
Federal income taxes	Bil. dol.	1.2	1.9	3.3	2.6	1.8	1.6	1.2	2.8	4.1	4.7
BALANCE SHEET											
Assets	Bil. dol.	207.3	299.3	432.2	479.2	525.8	586.2	654.9	723.0	825.9	937.6
Government securities	Bil. dol.	11.1	15.2	29.7	33.0	39.5	55.5	76.6	99.8	124.6	144.6
Corporate securities	Bil. dol.	88.5	133.9	208.8	227.0	241.5	268.5	297.0	322.5	374.3	432.9
Percent of total assets	Percent	42.7	44.3	48.3	47.4	45.9	45.7	45.3	44.6	45.3	46.2
Bonds	Bil. dol.	73.1	105.8	169.0	179.6	193.8	212.8	232.1	259.1	296.8	342.0
Stocks	Bil. dol.	15.4	28.1	39.8	47.4	47.7	55.7	64.9	63.4	77.5	90.9
Mortgages	Bil. dol.	74.4	89.2	118.4	131.1	137.7	142.0	151.0	156.7	171.8	193.8
Real estate	Bil. dol.	9.3	9.6	13.0	15.0	18.3	20.6	22.2	25.7	28.8	31.6
Policy loans	Bil. dol.	18.1	24.5	34.8	41.4	48.7	53.0	54.1	54.5	54.4	54.1
Other	Bil. dol.	10.9	16.9	27.6	31.7	40.1	48.6	54.0	63.8	72.0	80.8
Interest earned on assets [4]	Percent	5.30	6.98	7.74	8.92	9.57	9.91	8.96	9.65	9.83	9.35
Liabilities [5] [6]	Bil. dol.	189.9	268.7	402.3	444.8	488.4	546.7	608.5	672.6	769.1	873.4
Policy reserves [5]	Bil. dol.	167.8	237.1	351.8	390.4	428.0	479.4	532.4	584.2	666.3	761.9
Annuities	Bil. dol.	48.9	80.8	153.0	181.5	209.1	252.4	296.5	341.7	410.6	486.6
Group	Bil. dol.	34.0	59.9	116.4	140.4	161.0	191.9	221.7	254.8	303.0	355.9
Individual [6]	Bil. dol.	14.9	20.9	36.6	41.0	48.1	60.5	74.8	87.1	107.6	132.8
Life insurance	Bil. dol.	115.4	150.1	188.2	197.9	207.0	213.8	221.0	225.9	235.9	252.0
Health insurance	Bil. dol.	3.5	6.3	10.4	11.0	11.9	13.2	15.0	16.6	18.8	21.3
Capital and surplus [5]	Bil. dol.	17.3	20.6	30.0	34.4	37.4	41.5	46.4	50.4	56.8	64.1

Z Less than $500 million. [1] Includes Servicemen's Group Life Insurance: $16.8 billion in 1970, $1.7 billion in 1975, $44.5 billion in 1981, and $50.8 billion in 1986, as well as Federal Employees' Group Life Insurance: $81.5 billion in 1981 and $10.8 billion in 1986. [2] Includes operations of accident and health departments of life insurance companies. [3] Data not comparable to prior years due to change in accounting method. [4] Net rate. [5] Includes other obligations not shown separately. [6] Includes reserves for supplementary contracts with and without life contingencies.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, and unpublished data.

Digitized by Google

No. 815. U.S. Life Insurance Companies—New Long-Term Investments: 1970 to 1986

[In billions of dollars, except percent. Long-term investments are investments of over 1 year in length. Minus sign (–) indicates decrease]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	23.9	42.5	55.4	66.6	68.8	72.6	77.9	83.7	110.5	109.9	202.5	295.3	421.9
Annual percent change [1]	–.3	19.7	30.2	20.3	3.2	5.6	7.3	7.4	32.1	53.7	19.2	45.6	42.9
Government securities	.6	3.7	7.3	7.5	6.5	6.9	7.0	10.6	24.3	49.1	62.9	99.9	154.3
Corporate securities	10.9	22.5	31.7	37.6	36.0	33.5	36.4	42.5	58.8	86.9	104.0	144.6	205.4
Bonds	6.6	16.6	24.0	30.2	28.0	23.1	22.3	23.0	33.0	50.6	68.7	98.3	137.5
Stocks	4.1	5.9	7.7	7.6	8.0	10.4	14.1	19.5	25.8	36.1	35.3	46.3	67.9
Mortgages	7.2	9.6	9.8	14.2	17.8	20.7	19.7	13.5	11.5	20.1	20.1	35.1	45.4
Real estate	.9	2.1	1.6	2.0	2.2	2.8	3.3	4.5	4.5	4.3	6.0	6.0	7.1
Policy loans	4.1	4.6	4.8	5.1	6.3	6.7	11.5	12.8	11.4	9.5	9.5	9.7	9.7

[1] Change from immediate prior year.

No. 816. Life Insurance in Force in the U.S.—Summary: 1970 to 1986

[As of **December 31** or **calendar year**, as applicable. Covers life insurance with life insurance companies only. Represents all life insurance in force on lives of U.S. residents whether issued by U.S. or foreign companies. "Families" includes families, subfamilies, and unrelated individuals; see definitions, text, section 1. See also *Historical Statistics, Colonial Times to 1970*, series X 679–889]

YEAR	LIFE INSURANCE IN FORCE						AVERAGE SIZE POLICY IN FORCE (dollars)				AVERAGE AMOUNT ($1,000)		Disposable personal income per family ($1,000)
	Number of policies, total (mil.)	Value (bil. dol.)											
		Total	Ordinary	Group	Industrial	Credit [1]	Ordinary	Group	Industrial	Credit [1]	Per family	Per insured family	
1970	355	1,402	731	545	38.6	87.9	6,110	6,910	500	1,000	20.7	24.4	10.3
1972	365	1,626	849	631	40.0	108.8	6,790	7,730	530	1,190	22.9	26.9	11.4
1973	369	1,778	928	708	40.6	101.2	7,230	8,010	540	1,300	24.4	26.8	12.6
1974	380	1,985	1,009	827	39.4	109.8	7,690	8,840	550	1,310	26.5	31.2	13.3
1975	380	2,140	1,083	905	39.4	112.0	8,190	9,360	570	1,410	28.1	33.0	14.4
1976	382	2,343	1,178	1,003	39.2	123.6	8,610	10,010	580	1,580	30.1	35.0	15.3
1977	390	2,583	1,289	1,115	39.0	139.4	9,240	10,550	590	1,760	32.4	37.7	16.5
1978	401	2,870	1,425	1,244	38.1	163.1	10,010	11,260	600	1,950	35.1	40.8	17.9
1979	407	3,222	1,586	1,419	37.8	179.3	10,890	12,350	610	2,120	38.5	44.8	19.6
1980	402	3,541	1,761	1,579	36.0	165.2	11,920	13,410	620	2,110	41.5	48.3	21.4
1981	400	4,064	1,978	1,889	34.5	162.4	13,310	15,400	630	2,220	45.7	53.2	22.7
1982	390	4,477	2,217	2,066	32.8	161.1	15,140	16,630	630	2,410	49.3	57.3	23.9
1983	387	4,966	2,544	2,220	31.4	170.7	17,380	17,530	630	2,650	54.2	63.0	25.5
1984	385	5,500	2,888	2,392	30.1	190.0	19,970	18,780	630	2,880	58.7	68.3	27.5
1985	386	6,053	3,247	2,562	28.2	216.0	22,780	19,720	640	3,100	63.4	74.6	29.8
1986	391	6,720	3,658	2,801	27.2	233.9	25,540	20,720	650	3,310	69.1	81.2	31.1

[1] Insures borrower to cover consumer loan in case of death.

Source of tables 815 and 816: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, annual.

No. 817. Life Insurance Ownership by Households and Adults: 1984

["All types" includes coverage with legal reserve life insurance companies, veterans life insurance, and life insurance issued by savings banks, fraternal organizations, mutual aid and burial societies, and similar types of coverage. "Individual life" comprises ordinary and/or industrial life insurance. Based on a survey conducted for the source and the Life Insurance Marketing and Research Association]

TYPE OF HOUSEHOLD AND HOUSEHOLD INCOME	PERCENT OF HOUSEHOLDS IN WHICH AT LEAST ONE MEMBER OWNS LIFE INSURANCE			MEDIAN COVERAGE [2] ($1,000)			AGE	PERCENT OF ADULTS OWNING LIFE INSURANCE	
	All types	Individual life [1]	Employee group life	All types	Individual life [1]	Employee group life		Male	Female
Total	**81**	**57**	**54**	**35.0**	**16.5**	**20.0**	**Total, 18 yrs. and over**	**75**	**65**
Family households [3]	85	63	58	40.0	20.0	20.0	18–24 yrs. old	61	50
Married couple	88	66	60	45.0	23.0	21.5	25–29 yrs. old	83	64
Female householder [4]	74	47	49	20.0	11.0	20.0	30–34 yrs. old	79	70
Nonfamily households	70	42	41	11.5	5.0	16.5	35–44 yrs. old	84	70
Male householder	70	41	48	40.0	11.4	30.0	45–54 yrs. old	86	72
Female householder	70	43	37	6.0	2.0	10.0	55–64 yrs. old	86	71
Under $10,000	63	46	27	10.0	5.1	10.0	65 yrs. old and over	69	57
$10,000–$17,499	78	49	46	16.5	8.5	12.0			
$17,500–$24,999	87	64	60	30.0	16.4	15.0			
$25,000–$34,999	92	66	70	58.5	25.0	26.0			
$35,000 and over	92	66	74	87.0	40.0	45.0			

[1] Purchased from an agent, company, or fraternal society. [2] Among those households with this type of coverage. Includes coverage of dependents. [3] Includes male householder with no spouse present. [4] With no spouse present.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book Update, 1985*.

Digitized by Google

No. 818. Life Insurance—Insurance in Force and Benefit Payments by State: 1986

[Applies to policyholders and payments in the U.S. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Insurance in force			Benefit payments [1] (mil. dol.)
	Policies (1,000)	Value (bil. dol.)	Avg. per family (dol.)	
U.S.	**390,719**	**6,720**	**69,100**	**66,305**
Region:				
Northeast	82,159	1,508	75,000	17,494
Midwest	97,011	1,685	71,300	18,617
South	151,915	2,237	68,100	20,412
West	59,634	1,290	62,400	11,782
New England	**20,844**	**398**	**76,000**	**4,230**
Maine	1,893	27	56,400	264
New Hampshire	1,677	29	68,700	282
Vermont	856	14	58,500	147
Massachusetts	8,744	179	73,600	1,895
Rhode Island	1,901	29	72,800	343
Connecticut	5,773	120	94,800	1,279
Middle Atlantic	**61,315**	**1,110**	**74,600**	**13,264**
New York	27,592	534	74,200	6,155
New Jersey	11,516	250	84,600	3,171
Pennsylvania	22,207	326	69,000	3,936
East North Central	**69,110**	**1,177**	**71,500**	**13,496**
Ohio	18,480	299	71,100	3,450
Indiana	9,286	146	66,200	1,591
Illinois	19,620	347	75,500	4,001
Michigan	14,069	262	73,300	2,934
Wisconsin	7,655	123	65,200	1,520
West North Central	**27,901**	**508**	**70,700**	**5,121**
Minnesota	6,318	127	74,900	1,170
Iowa	4,595	80	68,800	951
Missouri	8,447	141	67,800	1,414
North Dakota	925	19	67,400	158
South Dakota	952	19	65,000	173
Nebraska	2,564	49	75,000	532
Kansas	4,100	73	71,400	723
South Atlantic	**77,872**	**1,142**	**69,000**	**10,757**
Delaware	1,415	26	103,300	281
Maryland	8,055	138	78,700	1,432
District of Columbia	2,179	44	136,000	424
Virginia	12,853	179	79,900	1,532
West Virginia	3,022	38	51,200	476
North Carolina	12,813	167	66,100	1,540
South Carolina	8,107	89	68,800	656
Georgia	12,434	182	77,500	1,300
Florida	16,994	279	54,700	3,116
East South Central	**32,025**	**371**	**64,100**	**3,247**
Kentucky	6,145	79	55,300	783
Tennessee	9,830	131	70,300	1,230
Alabama	11,877	107	68,500	844
Mississippi	4,173	54	56,300	380
West South Central	**42,018**	**724**	**68,700**	**6,408**
Arkansas	2,804	44	47,300	392
Louisiana	9,218	119	69,900	1,017
Oklahoma	4,446	81	59,900	965
Texas	25,549	480	73,200	4,034
Mountain	**18,980**	**343**	**64,900**	**3,171**
Montana	1,132	19	54,700	209
Idaho	1,304	22	56,900	230
Wyoming	658	13	69,900	123
Colorado	5,164	104	73,600	905
New Mexico	1,831	34	59,700	304
Arizona	4,940	86	64,000	852
Utah	2,409	42	71,000	346
Nevada	1,452	23	54,000	202
Pacific	**40,744**	**947**	**61,500**	**8,611**
Washington	5,239	113	58,600	1,081
Oregon	3,094	62	51,800	705
California	29,740	723	62,100	6,402
Alaska	866	15	66,200	115
Hawaii	1,805	34	83,500	308

[1] Comprises death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.

Source: American Council of Life Insurance, Washington, DC, *Life Insurance Fact Book*, annual.

No. 819. Property and Liability Insurance: 1970 to 1986

[**In millions of dollars.** Premiums written represent total premiums on all insurance policies written by companies, with inception dates in years shown. Minus sign (–) indicates loss. See also *Historical Statistics, Colonial Times to 1970*, series X 918, 923, 928, 933, and 940]

Item	1970	1975	1980	1981	1982	1983	1984	1985	1986
Premiums written [1]	**32,867**	**49,967**	**95,569**	**99,276**	**103,968**	**108,983**	**118,186**	**144,186**	**176,552**
Auto liability	8,958	13,315	23,319	24,395	26,226	28,080	30,217	36,067	44,081
Physical damage, auto	4,824	7,623	15,833	16,748	18,005	19,748	21,766	25,247	29,306
Liability, other than auto	2,140	3,981	7,692	7,385	7,159	7,247	8,254	14,313	22,657
Medical malpractice	(NA)	895	1,276	1,338	1,490	1,568	1,775	2,769	3,492
Fire [2]	3,147	3,691	4,784	4,817	4,836	4,806	4,853	6,173	6,933
Homeowners multiple peril	2,565	4,729	9,821	10,780	11,747	12,512	13,213	14,066	15,222
Commercial multiple peril	1,331	3,176	6,886	6,870	7,009	7,293	8,267	12,097	16,190
Workers' compensation	3,492	6,186	14,239	14,616	13,945	14,005	15,108	17,048	20,431
Inland marine	812	1,266	2,291	2,428	2,510	2,649	3,017	3,672	3,899
Ocean marine	465	861	1,065	1,127	1,101	1,096	1,155	1,177	1,225
Surety and fidelity [3]	562	789	1,248	1,351	1,454	1,649	1,997	2,853	2,116
Financial guaranty [3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	575
Burglary and theft	135	120	136	128	115	106	109	122	121
Crop-hail	125	312	417	504	532	444	509	447	379
Boiler and machinery	115	173	293	298	293	356	439	618	531
Glass	40	32	32	31	29	27	28	25	27
Statutory underwriting gain/loss	77	– 3,594	– 1,712	– 4,464	– 8,303	– 11,086	– 19,379	– 22,597	– 13,748
Policyholders' dividends	504	633	1,622	1,824	1,987	2,234	2,098	2,196	2,165
Net underwriting gain/loss	– 426	– 4,227	– 3,334	– 6,288	– 10,290	– 13,322	– 21,477	– 24,794	– 15,913
Net investment income	2,005	4,150	11,063	13,248	14,907	15,973	17,660	19,508	21,924
Net income/loss before taxes	1,579	– 77	7,730	6,961	4,617	2,651	– 3,817	– 5,286	6,012
Assets	58,594	94,116	197,661	212,302	231,693	249,121	264,734	311,365	374,088
Policyholders' surplus	18,520	25,303	52,196	53,804	60,395	65,606	63,809	75,511	94,288

NA Not available. [1] Total includes all property, liability, and allied lines; other data are for principal lines only.
[2] Includes extended coverage and allied lines. [3] Prior to 1986, financial guaranty was included in surety.

Source: Insurance Information Institute, New York, NY, *Insurance Facts*, annual. Data from A. M. Best Company, Oldwick, NJ.

Digitized by Google

No. 820. Automobile Insurance: 1970 to 1986

[**In billions of dollars, except as indicated.** Premiums earned basis. See also *Historical Statistics, Colonial Times to 1970*, series Q 163–174]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986		
									Total	Private passenger	Commercial
Companies reporting	925	1,275	1,470	1,507	1,531	1,571	1,587	1,564	1,556		
Total insurance:											
Premiums earned	14.6	23.9	37.6	39.8	42.6	48.2	50.5	57.1	70.3	58.3	12.0
Losses paid [1]	11.2	19.7	27.9	30.6	35.1	39.2	42.2	49.2	56.9	47.7	9.2
Percent of premiums	76.6	82.4	74.1	77.0	82.4	81.3	83.6	86.1	81.0	81.9	76.7
Bodily injury liability: [2]											
Premiums earned	9.6	15.2	22.5	23.6	25.4	28.6	29.5	33.5	42.1	33.9	8.3
Losses paid [1]	7.5	12.3	17.2	19.2	21.8	24.9	26.5	31.9	37.9	30.8	7.2
Percent of premiums	79.0	81.0	76.6	81.1	85.9	87.0	89.9	95.0	90.1	90.9	86.7
Physical damage: [3]											
Premiums earned	5.1	8.7	15.1	16.1	17.2	19.6	21.0	23.5	28.2	24.4	3.8
Losses paid [1]	3.7	7.4	10.7	11.5	13.1	14.3	15.7	17.3	19.0	16.9	2.1
Percent of premiums	72.3	84.7	70.4	71.0	76.3	72.9	74.7	73.5	67.5	69.4	55.2

[1] Includes adjusting expenses. [2] Includes property damage. [3] Covers auto fire, theft, collision, and comprehensive.

Source: The National Underwriter Co., Cincinnati, OH, *Argus F. C. & S. Chart*, annual (copyright).

No. 821. Private Health Insurance Organizations—Income and Expenses: 1970 to 1985

[**In millions of dollars, except percent.** Minus sign (–) indicates loss. Expenses are on incurred basis. See also *Historical Statistics, Colonial Times to 1970*, series X 957–962]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
All organizations:											
Total premium income	16,871	33,178	48,016	53,577	62,011	72,595	84,419	98,679	109,664	121,464	130,139
Claims expense	15,320	31,223	42,959	49,078	56,905	67,504	78,400	89,929	97,990	104,863	113,000
Percent of premium income	90.8	94.1	89.5	91.6	91.8	93.0	92.9	91.1	89.3	86.3	86.8
Operating expense	2,269	3,969	5,227	5,874	6,740	7,938	9,378	11,242	12,808	14,271	16,252
Net underwriting gain	– 718	– 2,014	– 169	– 1,375	– 1,634	– 2,848	– 3,359	– 2,492	– 1,114	2,330	886
Blue Cross-Blue Shield:											
Premium income	7,371	14,446	19,553	21,547	23,471	26,334	30,447	34,338	37,611	39,954	41,508
Claims expense	7,060	14,192	17,826	19,465	21,724	25,467	29,209	32,144	34,398	35,522	37,540
Operating expense	534	1,063	1,330	1,502	1,716	1,951	2,250	2,476	2,710	3,159	3,728
Net underwriting gain	– 224	– 809	397	580	31	– 1,083	– 1,012	– 282	503	1,273	240
Insurance companies: [1]											
Premium income	8,304	14,075	19,080	21,059	24,386	28,913	33,966	41,434	46,872	50,678	53,089
Claims expense	7,104	12,826	16,435	19,058	21,830	25,774	30,271	36,424	40,109	41,298	43,112
Net underwriting gain	– 447	– 1,374	– 758	– 1,760	– 1,698	– 1,848	– 2,256	– 2,397	– 1,689	445	– 126
Other plans:											
Premium income	1,196	4,657	9,403	10,971	14,154	17,347	20,006	22,907	25,201	30,832	35,542

[1] Excludes administrative service agreements and hospital indemnity. Hospital indemnity is a form of health insurance which provides a stipulated daily, weekly, or monthly indemnity during hospital confinement. Indemnity is payable on an unallocated basis without regard to actual expense of hospital confinement.

Source: U.S. Health Care Financing Administration, *Health Care Financing Notes*, Sept. 1987, and unpublished data.

No. 822. Health Insurance—Premium Income and Benefit Payments of Insurance Companies: 1970 to 1985

[**In billions of dollars.** Beginning 1975, includes Puerto Rico and other U.S. outlying areas. Represents premium income of and benefits paid by insurance companies only. Excludes Blue Cross-Blue Shield plans, medical-society sponsored plans, and all other independent plans]

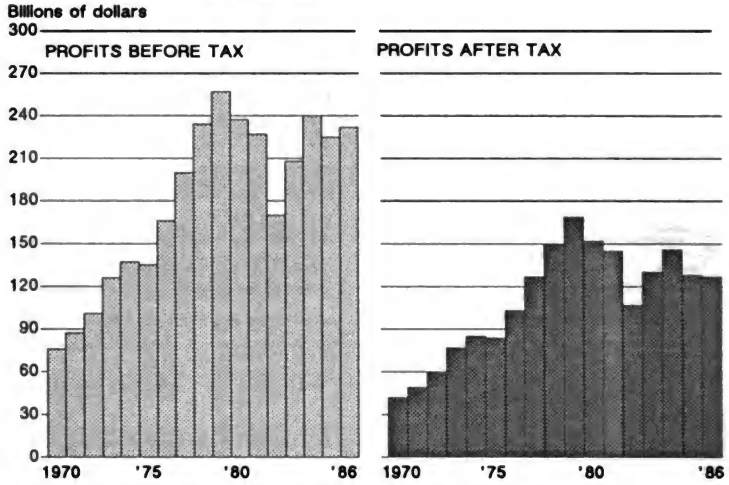
ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Premiums [1]	11.5	20.8	24.5	28.7	32.7	37.9	43.7	49.0	56.3	63.2	70.4	75.2
Group policies [2]	8.1	15.9	19.4	23.2	26.9	31.7	36.8	42.5	50.0	54.9	60.8	64.4
Individual and family policies	3.4	4.9	5.1	5.4	5.8	6.2	6.9	6.5	8.3	8.3	9.6	10.8
Benefit payments [3]	9.1	16.5	20.2	22.1	26.4	31.7	37.0	41.8	49.2	51.7	56.0	60.0
Group policies [2]	7.5	14.2	17.8	19.5	22.9	27.9	33.0	37.7	44.2	46.9	50.3	53.7
Individual and family policies	1.6	2.3	2.4	2.6	3.5	3.8	4.0	3.9	4.9	4.8	5.7	6.3
Type of coverage:												
Loss of income	1.8	2.7	2.9	3.1	3.4	4.7	5.3	5.2	5.5	4.9	5.2	5.6
Medical expense	7.1	13.2	16.1	17.8	21.2	24.8	28.9	33.0	39.6	42.4	45.9	49.0
Dental	.1	.6	1.2	1.5	1.8	2.2	2.8	3.5	4.0	4.4	4.9	5.3

[1] 1970 refers to written premiums; thereafter, refers to earned premiums. [2] Beginning 1975, insurance company group premiums and benefit payments include administrative service agreements and minimum premium plans. Amounts for 1970 contain only a portion of these data. [3] Beginning 1975, excludes accidental death and dismemberment benefits and accident medical reimbursement benefits.

Source: Health Insurance Association of America, Washington, DC, *Source Book of Health Insurance Data*, annual.

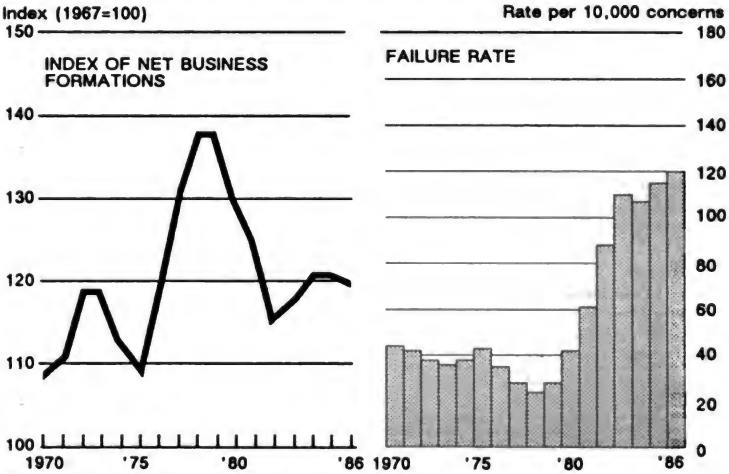
Digitized by Google

Figure 17.1
Corporate Profits: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 862.

Figure 17.2
Index of Net Business Formations and Business Failure Rates: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 834.

Digitized by Google



Section 17

Business Enterprise

This section relates to the place and behavior of the business firm, and to business initiative in the American economy. It includes data on the number, type, and size of businesses; financial data of domestic and multinational U.S. corporations and their foreign affiliates; business investment, expenditures, and profits; business sales and inventories; consumer cooperatives; and business failures. Additional business data may be found in other sections, particularly 27 and 28.

The principal sources of these data are the *Survey of Current Business*, published by the Bureau of Economic Analysis (BEA); the *Federal Reserve Bulletin*, issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service (IRS); *The Failure Record Through 1986*, issued by the Dun & Bradstreet Corporation, New York; and *Fortune* and *The Fortune Directory*, issued by Time, Inc., New York. Other sources are publications of the Securities and Exchange Commission (SEC), the Bureau of the Census, and the Administrative Office of the United States Courts.

Business firms.—A firm is generally defined as a business organization under a single management and may include one or more establishments (i.e., a single physical location at which business is conducted). The terms firm, business, company, and enterprise are used interchangeably throughout this section. A firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The industrial classification is based on the *Standard Industrial Classification (SIC) Manual* (see text, section 13).

The IRS concept of a business firm relates primarily to the legal entity used for tax reporting purposes. The IRS *Statistics of Income* reports present data, based on a sample of tax returns before audit, separately for sole proprietorships, partnerships, and active corporations. A *sole proprietorship* is an unincorporated business owned by one person including large enterprises with many employees and hired managers to the part-time operations in which the owner is the only person involved. A *partnership* is an unincorporated business owned by two or more persons, each of whom has a financial interest in the business. The "persons" could be individuals, estates, trusts, other partnerships or corporations. A *corporation* is a business that is legally incorporated under State laws. The IRS recognizes many types of businesses as corporations, including joint-stock companies; mutual and other insurance companies; and unincorporated associations such as business trusts, etc. While many corporations file consolidated tax returns, most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

Assets and liabilities.—In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the IRS presents balance sheet and income estimates for all active U.S. corporations. The Bureau of the Census issues the *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations* (QFR), which presents quarterly income account and balance sheet data for manufacturing, mining, and trade industries. The Federal Reserve Board issues *Working Capital of U.S. Nonfinancial Corporations*, which presents data on components of current assets and liabilities of all nonfinancial U.S. corporations. Both of these reports were prepared by the Federal Trade Commission until responsibilities for QFR were transferred to Census beginning with the 4th quarter 1982 report.

One of the most comprehensive measures of the investment position of the business sector (and the only measure adjusted to current replacement cost) is the BEA capital stock series. See *Survey of Current Business*, August 1987.

Income, profits, dividends, and taxes.—Several agencies, among them IRS and BEA, compile corporate income account data. These data, however, are not comparable because of differing methods of compilation. A reconciliation of the two can be found in table 8.13 of *National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business* (normally the July issue), published by BEA. The IRS publishes financial data for all business enterprises. These data appear in *Statistics of Income—Corporation Income Tax Returns* and the *Statistics of Income*

Digitized by Google

Bulletin Partnership and Sole Proprietorships Returns. Supplemental reports published periodically present data on international income and taxes reported by U.S. corporations.

Corporate data issued by BEA are a part of its national income and product accounts (see text, section 14). The primary sources for BEA estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to IRS. Various adjustments of IRS data are required by the national income treatment—particularly with respect to profits which would be disclosed if all tax returns were audited; depletion; capital gain or loss; treatment of bad debts; measurement of income received from abroad; and intercorporate dividends—to make the figures comparable with other entries in the national income accounts. For a discussion of two types of adjustments (inventory valuation and capital consumption), see text, section 14. The BEA's corporate profits data also include net earnings of Federal Reserve banks, credit unions, private noninsured pension funds, and several quasi-government credit agencies not included in IRS data.

Sources and uses of corporate funds.—These data (table 861) show capital requirements of corporations and the manner in which they are financed. Sources of funds should be equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, (2) transactions in securities held as permanent investments except public offerings, and (3) net purchases of land. Also, the balance sheet data upon which many of the financial flow estimates are based are not fully comparable with the tax-return based estimates of internal sources, or the establishment series underlying the figures on inventory change.

Plant and equipment expenditures.—Estimates of actual and planned expenditures for new plant and equipment in the United States by most private nonagricultural business firms are based on quarterly sample surveys conducted by the Bureau of Economic Analysis.

For quarterly data, see current issues of the *Survey of Current Business*. For a discussion of coverage, concepts, and methodology, see the February 1985 issue of the *Survey*.

Sales and inventories.—Sales are estimated aggregate values, and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories (see table 857) are based on data from censuses (conducted every five years, for years ending in "2" and "7") and annual surveys. Monthly data for manufacturing appear in the Bureau of the Census Current Industrial Reports, *Manufacturers' Shipments, Inventories, and Orders*, series M3-1; for data on retail and wholesale trade, see section 28.

Sales, assets, net income, stockholder's equity, and total returns to investors.—Sales include service and rental revenues but exclude dividends, interest, and other non-operating revenues. All companies on the list must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of subsidiaries are included when they are consolidated. **Assets** are those shown at the company's year-end. **Net income** is shown after taxes and after extraordinary credits or charges when any are shown on the income statement. **Stockholder's equity** is the sum of capital stock, surplus and retained earnings at the company's year-end. Redeemable preferred stock is excluded when its redemption is either mandatory or outside the control of the company, except in the case of cooperatives. **Total returns to investors** include both price appreciation and dividend yield. Returns are adjusted for stock splits, stock dividends, recapitalizations, and corporate reorganizations as they occur. For further discussion, see Time, Inc., New York, NY, *The Fortune Directory*, May and June issues.

Economic censuses.—The economic censuses constitute comprehensive and periodic canvasses of the Nation's industrial and business activities. The first economic census of the United States was conducted as part of the 1810 decennial census, when inquiries on manufacturing were included with the census of population. Minerals data were collected in 1840. The first censuses of construction and business were taken for 1929. An integrated economic census program was begun for 1954. In that year, the censuses covered the retail and wholesale trades, selected service industries, manufactures, and mineral industries. The economic censuses are taken at 5-year intervals covering years ending in "2" and "7".

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Digitized by Google

NO. 823. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY TYPE OF BUSINESS: 1970 TO 1984

[Figures are estimates based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 846]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984
Number	1,000	12,001	13,979	15,629	16,187	16,793	13,858	14,546	15,245	16,077
Receipts	Bil. dol	2,082	3,685	5,377	6,345	7,159	7,725	7,755	7,891	8,752
Net income (less deficit) [1]	Bil. dol	109	196	320	361	302	264	196	245	301
Proprietorships, number [2]	1,000	9,400	10,882	12,018	12,330	12,702	9,585	10,106	10,704	11,262
Business receipts [3]	Bil. dol	238	339	443	488	506	427	434	465	516
Net income (less deficit) [1]	Bil. dol	33	45	59	61	55	53	51	60	71
Partnerships, number	1,000	936	1,073	1,234	1,300	1,380	1,461	1,514	1,542	1,644
Total receipts [4]	Bil. dol	93	147	219	258	292	272	297	291	375
Net income (less deficit) [1]	Bil. dol	10	8	14	15	8	−3	−7	−3	−3
Corporations, number	1,000	1,665	2,024	2,377	2,557	2,711	2,812	2,926	2,999	3,171
Total receipts [4]	Bil. dol	1,751	3,199	4,715	5,599	6,361	7,026	7,024	7,135	7,861
Net income (less deficit) [1]	Bil. dol	66	143	247	285	239	214	154	188	233

[1] Net income (less deficit) is defined differently by form of organization, basically as follows: (a) Proprietorships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income are excluded; (b) Partnerships: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, except capital gains, are included; (c) Corporations: Total taxable receipts less total deductions, including cost of sales and operations; investment and other income, such as capital gains and income from foreign corporations considered received for tax purposes only, are included; net income is before income tax. [2] Through 1980, includes both individually owned businesses and farms; beginning 1981, includes only nonfarm businesses. [3] Receipts from sales and services less allowances, rebates, and returns; excludes capital gains and losses, and investment income not associated with taxpayer's business. [4] Gross taxable receipts from all sources before deduction of cost of goods sold, cost of operations, and net loss from sales of noncapital assets.

Source: U.S. Internal Revenue Service, *Statistics of Income*, and various publications.

NO. 824. NUMBER OF RETURNS AND BUSINESS RECEIPTS, BY SIZE OF RECEIPTS AND TYPE OF BUSINESS: 1970 TO 1984

[See headnote, table 825. See also *Historical Statistics, Colonial Times to 1970*, series V 1-12. For further information regarding corporations, see table 846]

SIZE-CLASS OF RECEIPTS	1970		1975		1980		1982		1983		1984	
	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)	Returns (1,000)	Receipts (bil. dol.)
Corporate returns [1]	1,666	1,621	2,024	2,962	2,712	5,732	2,926	6,157	2,999	6,335	3,171	6,948
Under $25,000 [2]	452	2	469	2	557	3	620	3	629	3	686	3
$25,000–$49,999	171	5	166	5	208	8	218	7	213	7	213	7
$50,000–$99,999	220	14	261	17	323	21	325	22	330	22	339	23
$100,000–$499,999	517	118	674	155	926	215	1,021	242	1,043	250	1,084	261
$500,000–$999,999	141	95	184	125	280	192	296	203	316	217	345	238
$1,000,000 or more	165	1,391	250	2,658	418	5,294	446	5,680	468	5,835	505	6,417
Partnership returns [1]	936	90	1,073	146	1,380	286	1,514	332	1,541	243	1,643	318
Under $25,000 [2]	502	3	550	4	638	4	778	5	781	2	820	2
$25,000–$49,999	125	4	140	5	182	7	182	7	177	3	197	4
$50,000–$99,999	120	8	133	10	184	13	187	13	204	8	200	8
$100,000–$499,999	162	33	204	44	290	64	278	61	282	42	313	46
$500,000–$999,999	17	12	26	17	46	33	50	35	54	25	81	27
$1,000,000 or more	10	30	18	66	37	184	39	211	44	163	52	232
Non-farm proprietorship returns [3]	6,494	199	[3] 7,760	274	[3] 9,730	411	10,106	434	10,704	465	11,262	516
Under $25,000	4,738	30	5,627	35	6,918	44	7,203	45	7,591	49	7,832	52
$25,000–$49,999	746	27	850	30	1,079	39	1,117	40	1,187	42	1,261	45
$50,000–$99,999	562	40	645	45	836	59	844	59	919	65	1,061	74
$100,000–$499,999	420	76	590	113	796	159	838	166	889	178	984	203
$500,000–$999,999	21	14	35	24	74	50	68	47	83	57	86	81
$1,000,000 or more	7	12	13	26	29	61	36	78	35	74	37	81

[1] Includes firms with no receipts. [2] Business receipts. Active firms only. [3] Number of businesses. Number of non-farm sole proprietorship returns is not available prior to 1981. However, the number of returns and the number of businesses are very closely related. Since 1970, the ratio of number of returns to the number of businesses has remained approximately 1 to 1.1.

Source: U.S. Internal Revenue Service, *Statistics of Income*, and unpublished data.

Digitized by Google

NO. 825. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY AND TYPE OF BUSINESS: 1984

[Figures are estimates based on sample of unaudited tax returns; see Appendix III. Due to minor variations in estimating techniques, totals differ slightly from those shown in other IRS tables in this section. For further information regarding corporations, see table 846. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (–) indicates net loss]

INDUSTRY	NUMBER OF RETURNS (1,000)			BUSINESS RECEIPTS [1] (bil. dol.)			NET INCOME (less deficit) [2] (bil. dol.)		
	Nonfarm proprietorships	Active partnerships	Active corporations	Nonfarm proprietorships	Active partnerships	Active corporations	Nonfarm proprietorships	Active partnerships	Active corporations
Total [3]	**11,262**	**1,644**	**3,171**	**516.0**	**318.3**	**6,948.5**	**70.8**	**–3.5**	**232.9**
Agriculture, forestry, and fishing	323	139	98	10.7	5.9	62.1	.9	–.7	.2
Mining	153	57	41	13.2	18.6	111.0	.4	.1	–.4
Construction	1,386	65	307	66.3	23.2	326.8	10.1	2.2	2.9
Manufacturing	320	30	272	18.2	18.3	2,809.0	1.4	–1.1	121.2
Transportation, public utilities [4]	572	21	128	29.1	10.7	693.1	3.3	–2.0	26.9
Wholesale and retail trade [5]	2,381	185	897	196.0	72.3	2,250.8	7.7	1.7	42.0
Wholesale	225	21	304	29.8	28.2	1,130.1	1.6	.4	24.3
Retail	2,012	163	588	160.6	44.1	1,116.4	5.4	1.3	17.6
Finance, insurance, real estate	984	791	497	30.0	[6] 94.4	[6] 431.1	9.5	–19.2	32.7
Services	4,990	331	899	147.4	90.2	458.0	36.8	15.6	5.5

[1] See footnote 4, table 823. [2] See footnote 2, table 823. [3] Includes business not specifically allocated to industries below. See also exception in footnote 6. [4] Includes sanitary services. [5] Includes trade business not identified as wholesale or retail. [6] Includes total receipts from all sources (including investment income) for businesses in this category; therefore, the industry detail in this column exceeds the total.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications.

NO. 826. NUMBER OF RETURNS, RECEIPTS, AND NET INCOME, BY INDUSTRY, BY TYPE OF BUSINESS, AND BY SIZE OF BUSINESS RECEIPTS: 1984

[**Number in thousands; receipts and net income in millions of dollars.** See headnote, table 825. See *Historical Statistics, Colonial Times to 1970*, series V 42-53, for number of active corporations. Minus sign (–) indicates net loss]

INDUSTRY	Nonfarm proprietorships, [1] total	ACTIVE PARTNERSHIPS			ACTIVE CORPORATIONS				
		Under $100,000 [2]	$100,000–$499,999	$500,000 or more	Under $1,000,000	$1,000,000–$4,999,999	$5,000,000–$9,999,999	$10,000,000–$49,999,999	$50,000,000 or more
All industrial divisions: [3]									
Number	11,262	1,198	327	119	2,666	383	61	50	10
Business receipts [4]	516,037	13,409	45,683	259,250	531,963	783,416	399,133	922,098	4,311,872
Net income [5]	70,767	–16,947	1,555	13,892	–746	14,595	8,109	24,610	186,331
Agriculture, forestry, fishing:									
Number	322	130	8	1	90	7	1	1	(z)
Business receipts [4]	10,700	534	1,673	3,679	62,093	14,140	5,977	11,606	13,860
Mining:									
Number	153	43	9	5	34	5	1	1	(z)
Business receipts [4]	13,190	537	1,998	16,103	5,387	10,796	4,459	12,743	77,645
Construction:									
Number	1,386	34	25	5	250	47	6	3	(z)
Business receipts [4]	66,311	1,215	5,191	16,791	61,972	96,758	40,250	65,145	62,628
Manufacturing:									
Number	320	21	5	3	185	59	13	12	3
Business receipts [4]	18,176	478	1,149	16,700	49,840	133,379	91,434	241,416	2,092,903
Transportation, public utilities: [6]									
Number	572	16	3	2	108	16	2	2	1
Business receipts [4]	29,088	598	812	9,323	21,545	34,333	15,797	31,363	590,066
Wholesale and retail trade:									
Number	2,381	102	61	22	671	170	28	24	3
Business receipts [4]	195,961	3,133	14,371	54,832	184,411	363,749	198,661	468,173	1,035,780
Finance, insurance, real estate:									
Number	984	603	135	53	461	25	5	5	2
Business receipts [4]	29,977	1,094	3,590	50,219	32,581	24,531	9,022	33,546	331,478
Services:									
Number	4,990	226	77	29	838	53	5	3	1
Business receipts [4]	147,438	5,394	16,391	68,459	157,611	103,246	33,061	56,705	107,416

Z Less than 500 returns. [1] Individually owned businesses. [2] Includes businesses without receipts. [3] Includes businesses not allocable to individual industries. [4] See footnote 4, table 823. [5] Less deficit. See footnote 2, table 823. [6] Includes sanitary services.

Source: U.S. Internal Revenue Service, *Statistics of Income*, various publications and unpublished data.

Digitized by Google

NO. 827. NONFARM SOLE PROPRIETORSHIP RETURNS—SELECTED INCOME AND DEDUCTION ITEMS: 1970 TO 1985

[In millions of dollars, except as indicated. All figures are estimates based on sample. Tax law changes have affected the comparability of the data over time. See *Statistics of income* reports for a description of appropriate years tax law changes; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series V 4–6]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985
Number of returns, total (1,000)	5,770	7,221	[1] 6,932	[1] 9,585	[1] 10,106	10,704	11,262	11,929
Number with net business income (1,000)	(NA)	(NA)	(NA)	6,535	6,761	7,390	8,003	8,641
Inventory, end of year	11,061	15,578	21,996	22,922	21,805	(NA)	23,233	24,970
Business receipts, total	198,582	273,955	411,206	427,063	433,665	465,169	516,037	540,045
Income from sales and operations	(NA)	272,343	407,169	421,700	428,312	455,382	507,234	(NA)
Deductions, total	168,045	234,318	356,258	373,991	383,092	404,809	445,270	461,273
Cost of goods sold/operations	109,149	146,261	209,890	209,724	205,471	212,631	229,906	232,294
Purchases	88,586	117,722	168,302	167,751	161,295	(NA)	(NA)	(NA)
Labor costs	7,704	8,791	10,922	10,923	11,425	9,871	13,009	14,504
Materials and supplies	6,216	9,091	12,909	12,081	12,736	(NA)	(NA)	(NA)
Commissions	1,274	2,226	3,333	3,540	4,464	(NA)	(NA)	(NA)
Salaries and wages (net)	15,107	20,228	26,561	28,749	30,403	31,666	34,686	38,266
Car and truck expenses	(NA)	(NA)	13,376	12,358	(NA)	14,758	17,524	(NA)
Rent paid	4,637	6,676	9,636	10,715	11,797	11,831	14,278	15,259
Repairs	2,445	3,044	5,032	5,414	6,006	(NA)	(NA)	(NA)
Taxes paid	3,776	5,424	7,672	6,661	7,748	(NA)	(NA)	(NA)
Utilities	(NA)	(NA)	4,790	8,276	(NA)	(NA)	(NA)	(NA)
Insurance	2,310	3,504	6,003	6,239	6,448	(NA)	(NA)	(NA)
Interest paid	1,784	3,391	7,190	9,052	10,143	9,926	11,025	11,914
Depreciation	5,452	7,958	13,953	15,855	19,122	22,070	23,900	26,291
Pension and profit sharing plans	73	125	141	153	136	123	258	311
Net income (less loss)	30,537	39,637	54,947	53,072	50,573	60,359	70,767	78,773
Businesses with profit	33,736	45,625	68,010	68,553	68,647	78,618	89,849	98,776

NA Not available. [1] Includes breakeven businesses.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer, 1987.

NO. 828. PARTNERSHIP RETURNS—SELECTED INCOME STATEMENT AND BALANCE SHEET ITEMS: 1970 TO 1984

[In millions of dollars, except as indicated. All figures are estimates based on samples. See headnote, table 827. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, Series V 7–9]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984
Active partnerships, number (1,000)	936	1,073	1,234	1,300	1,380	1,461	1,514	1,542	1,644
Number with net income (1,000)	640	661	762	766	774	749	791	784	845
Number with balance sheets (1,000)	556	783	1,024	(NA)	1,194	1,198	1,223	1,191	1,215
Number of partners (1,000)	3,698	4,951	6,121	6,955	8,420	9,446	9,765	10,589	12,427
Assets, total [1]	116,753	235,468	353,696	447,130	597,504	715,233	845,281	886,993	1,030,849
Buildings/depreciable assets (net)	(NA)	113,125	158,728	(NA)	239,140	287,270	310,846	345,897	581,643
Inventories, end of year	(NA)	11,985	17,203	(NA)	33,218	59,650	100,729	77,059	61,756
Land	(NA)	36,732	46,442	(NA)	70,241	76,333	87,820	98,427	122,037
Liabilities, total	(NA)	193,676	293,050	(NA)	488,734	580,034	701,630	745,153	855,373
Accounts, payable	(NA)	12,302	20,943	(NA)	33,699	29,092	37,255	34,725	32,780
Short-term debt [2]	(NA)	22,709	27,811	(NA)	48,002	55,692	73,278	67,295	88,626
Long-term debt [3]	(NA)	[4] 136,297	194,943	(NA)	178,044	196,509	236,218	268,266	322,327
Nonrecourse loans	(NA)	(*)	83,747	(NA)	118,910	138,134	154,509	194,829	260,167
Partner's capital accounts	(NA)	41,593	60,646	(NA)	108,770	135,199	143,651	141,840	175,476
Total receipts	93,348	148,418	219,192	258,198	291,998	272,130	296,690	291,319	375,193
Business receipts	90,209	142,506	207,731	242,654	271,109	230,027	251,609	243,248	318,342
Interest received [5]	942	2,447	4,347	7,246	10,869	13,773	15,260	15,006	16,651
Deductions, total	83,558	140,680	204,745	242,992	283,749	274,865	304,005	293,929	378,693
Cost of goods sold/operations	46,041	64,673	87,217	102,097	113,886	130,044	144,595	125,331	180,858
Salaries and wages	8,129	12,489	16,585	19,393	22,336	21,953	23,205	24,734	28,523
Taxes paid	3,159	5,771	7,365	8,329	9,553	5,040	5,289	5,910	6,673
Interest paid	4,470	12,097	16,023	21,276	28,362	19,586	21,517	22,364	25,436
Depreciation	4,579	10,109	14,520	17,663	21,576	27,263	32,362	37,340	19,782
Net income (less loss)	9,790	7,738	14,447	15,206	8,249	−2,735	−7,315	−2,610	−3,500
Businesses with profit	14,419	22,432	33,689	40,001	45,062	50,567	53,557	60,308	69,897

NA Not available. [1] Total assets, total liabilities, and partner's capital accounts are somewhat understated because not all partnership returns filed contained a complete balance sheet. [2] Represents mortgages, notes, and bonds payable in less than one year. [3] Represents mortgages, notes, and bonds payable in one year or more. [4] Tax year 1975 long term debt included nonrecourse loans. [5] Beginning 1982, includes both interest and dividends.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1984 and Fall 1986.

Digitized by Google

NO. 829. PARTNERSHIPS—SELECTED ITEMS BY INDUSTRIAL DIVISION: 1980 TO 1985

[In millions of dollars, except partners and partnerships in thousands. Includes partnership not allocable by nature of business. Figures are estimates based on samples. See Appendix III]

INDUSTRY AND YEAR	NUMBER OF PARTNERSHIPS			Number of partners	Total assets	Business receipts [1] [2]	Total deductions [2]	Net income less loss [2]	Net income	Net loss
	Total	With net income	With net losses							
All industries:										
1980	1,380	774	605	8,420	597,504	285,967	283,749	8,249	45,062	36,813
1981	1,461	749	711	9,095	715,233	262,498	274,865	−2,735	50,567	53,302
1982	1,514	791	723	9,765	845,281	284,037	304,005	−7,315	53,557	60,871
1983	1,542	784	758	10,589	886,993	278,347	293,929	−2,610	80,308	62,918
1984	1,644	845	799	12,427	1,030,849	318,342	378,693	−3,500	69,697	73,197
1985	1,714	876	838	14,190	1,269,434	302,733	376,170	−7,814	78,114	85,928
Agriculture, forestry, and fishing:										
1980	126	72	54	381	24,595	21,611	22,859	472	2,539	2,067
1981	125	64	61	406	23,130	4,993	8,069	−704	2,133	2,837
1982	133	68	65	450	24,814	5,004	8,403	−701	2,452	3,153
1983	137	73	63	466	24,717	5,949	8,772	−145	2,626	2,771
1984	139	73	66	494	26,739	5,866	9,242	−749	2,478	3,227
1985	136	76	60	585	27,027	6,529	10,495	−1,049	2,797	3,846
Mining:										
1980	35	15	20	722	24,742	13,201	18,248	−4,208	3,920	8,128
1981	51	20	32	1,475	34,345	15,329	27,113	−10,109	4,832	14,942
1982	56	23	33	1,574	45,550	17,563	28,628	−8,830	5,795	14,625
1983	60	24	36	2,083	49,775	17,077	23,586	−4,110	6,369	10,479
1984	57	31	26	2,007	52,415	16,638	21,985	69	7,857	7,788
1985	63	33	30	4,153	66,930	19,922	22,089	2,551	8,954	6,402
Oil and gas extraction:										
1980	31	14	17	666	18,881	9,252	13,659	−3,694	3,577	7,271
1981	47	19	28	1,441	27,315	11,009	21,954	−9,386	4,485	13,872
1982	51	22	29	1,512	36,048	13,717	23,525	−7,727	5,493	13,220
1983	56	23	33	1,988	41,067	13,226	19,048	−3,546	5,917	9,463
1984	51	27	24	1,833	41,266	14,177	16,674	787	7,349	6,561
1985	56	31	25	4,076	55,760	15,577	16,648	3,343	8,350	5,008
Construction:										
1980	67	51	16	160	9,811	18,407	17,202	1,560	2,119	559
1981	70	50	20	165	11,008	16,554	15,810	1,209	1,848	639
1982	66	47	19	152	11,854	19,052	17,181	1,419	2,061	642
1983	64	46	18	149	14,965	21,623	20,758	2,168	3,087	919
1984	65	47	18	173	13,783	23,198	21,855	2,193	2,966	773
1985	57	41	16	134	15,008	21,476	20,080	2,207	2,743	536
Manufacturing:										
1980	30	20	10	92	11,252	15,327	16,142	−472	1,199	1,671
1981	30	19	12	91	10,988	14,234	15,026	−441	1,100	1,540
1982	23	14	9	77	13,022	14,824	15,960	−816	940	1,756
1983	26	12	14	91	13,966	14,179	15,291	−744	890	1,634
1984	30	15	15	91	19,574	18,326	20,046	−1,101	1,165	2,266
1985	30	12	18	105	24,838	22,588	24,225	−1,085	1,228	2,314
Transportation and public utilities:										
1980	20	11	10	73	9,291	5,868	5,821	248	1,092	844
1981	22	10	11	73	11,627	6,240	6,654	−226	1,103	1,331
1982	18	8	10	93	17,671	6,570	7,577	−761	1,098	1,859
1983	20	9	11	103	19,809	7,155	9,194	−703	1,128	1,831
1984	21	14	7	142	21,109	10,733	13,332	−2,007	1,280	3,288
1985	25	15	10	186	26,468	11,253	14,814	−3,066	1,960	4,426
Wholesale and retail trade:										
1980	200	123	77	487	17,727	65,793	63,988	2,475	3,374	900
1981	217	118	99	528	20,253	70,442	69,853	1,317	2,939	1,622
1982	205	118	87	491	19,279	69,736	68,980	1,601	3,043	1,442
1983	194	102	92	479	19,804	59,880	59,140	1,540	3,012	1,472
1984	185	98	87	444	21,222	72,335	71,707	1,666	3,238	1,572
1985	201	113	88	493	20,568	69,079	68,119	1,977	3,467	1,490
Finance, insurance, and real estate:										
1980	637	313	325	5,566	454,531	87,133	91,382	−4,249	15,169	19,418
1981	682	300	382	5,326	550,143	73,574	78,934	−5,360	19,771	25,131
1982	726	334	392	5,757	647,465	85,905	97,061	−11,156	19,465	30,621
1983	730	327	403	5,927	670,225	76,784	89,889	−13,105	22,542	35,647
1984	791	350	441	7,408	770,457	94,362	113,606	−19,244	25,646	44,890
1985	844	369	475	7,755	979,787	45,873	118,237	−25,929	30,383	56,311
Real estate:										
1980	464	211	253	3,212	275,895	60,637	63,924	−3,287	8,125	11,412
1981	522	216	307	3,133	337,366	30,526	38,433	−7,907	9,852	17,760
1982	568	245	323	3,738	394,966	33,969	45,089	−11,100	11,940	23,039
1983	585	245	341	4,328	465,891	41,355	56,234	−14,879	14,601	29,480
1984	637	262	375	5,131	598,425	26,011	74,922	−21,204	18,548	39,752
1985	694	285	409	5,992	724,342	28,609	89,505	−29,759	21,007	50,766
Services:										
1980	263	169	94	938	45,510	58,627	48,106	12,424	15,649	3,224
1981	263	168	95	1,025	53,559	60,997	53,232	11,818	16,804	5,186
1982	279	175	104	1,147	64,798	65,835	59,627	11,902	18,558	6,656
1983	306	188	118	1,275	73,186	75,069	67,639	12,457	20,570	8,113
1984	331	204	127	1,578	87,984	90,244	82,239	15,583	24,800	9,217
1985	341	207	134	1,713	106,597	104,197	96,202	16,541	26,942	10,400

[1] Total receipts for partnerships in finance, insurance, and real estate, and business receipts for all other industries.
[2] Beginning 1981, the agriculture, forestry, and fishing industries are based on revised collection procedure. See source for detail.

Source: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns—1978–1982*, and *Statistics of Income Bulletin*.

Digitized by Google

No. 830. Employees and Payroll, by Industry: 1975 to 1985

Industry	Employees (1,000)					Payroll (bil. dol.)				
	1975	1980	1983	1984	1985	1975	1980	1983	1984	1985
All industries [1]	**60,564**	**74,836**	**72,971**	**77,996**	**81,119**	**596**	**1,039**	**1,269**	**1,407**	**1,514**
Agricultural services [2]	195	290	325	354	382	2	3	4	5	5
Mining	717	996	972	975	943	10	22	27	26	28
Contract construction	3,321	4,474	3,765	4,172	4,480	44	78	80	90	98
Manufacturing	18,374	21,152	18,232	19,325	19,434	213	357	398	439	458
Transportation [3]	3,935	4,631	4,551	4,875	4,816	51	88	108	115	123
Wholesale trade	4,333	5,216	5,122	5,388	5,625	52	89	107	120	130
Retail trade	12,271	15,045	15,232	16,081	16,852	76	124	151	168	179
Finance and insurance [4]	4,263	5,278	5,545	5,783	6,004	42	77	108	118	132
Services	12,658	17,195	18,832	20,349	21,543	102	198	277	311	346

[1] Includes nonclassifiable establishments, not shown separately. [2] Includes forestry and fisheries. [3] Includes other public utilities. [4] Includes real estate.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 831. Employees and Payroll, by Employment-Size Class: 1975 to 1985

[See headnote, table 832]

Employment-size class	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985
ployees, total	1,000	**60,564**	**70,289**	**74,681**	**74,836**	**74,850**	**74,297**	**72,971**	**77,996**	**81,119**
nder 20 employees	1,000	16,393	16,723	19,406	19,423	19,515	19,896	20,136	21,171	21,810
) to 99 employees	1,000	16,272	19,612	20,992	21,168	21,231	21,143	20,806	22,449	23,539
00 to 499 employees	1,000	13,713	16,327	17,527	17,840	17,977	17,444	16,794	18,348	19,410
00 to 999 employees	1,000	4,872	5,537	5,780	5,689	5,497	5,436	5,186	5,814	5,716
000 or more employees	1,000	9,315	10,090	10,976	10,716	10,630	10,376	10,050	10,413	10,645
ial payroll	**Bil. dol**	**596**	**841**	**952**	**1,039**	**1,150**	**1,199**	**1,269**	**1,407**	**1,514**
der 20 employees	Bil. dol	138	190	210	231	254	272	298	326	352
to 99 employees	Bil. dol	147	211	239	261	288	303	319	358	388	
to 499 employees	Bil. dol	135	198	224	249	279	286	297	334	362
to 999 employees	Bil. dol	53	74	84	91	99	104	107	120	126
00 or more employees	Bil. dol	123	170	196	208	229	234	248	269	286

rce: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 832. Employees and Payroll, by Employment-Size Class and Industry: 1985

cludes government employees, railroad employees, self-employed persons, etc. See "General Explanation" in source for definitions and statement on reliability of data]

oyment size-class	Unit	All industries [1]	Agricultural services [2]	Mining	Contract construction	Manufacturing	Transportation [3]	Wholesale trade	Retail trade	Finance and insurance [4]	Services
es, total	1,000	**81,119**	**382**	**943**	**4,480**	**19,434**	**4,816**	**5,625**	**16,852**	**6,004**	**21,543**
0 employees	1,000	21,810	220	148	1,803	1,432	804	2,057	6,293	1,774	6,396
employees	1,000	23,539	100	263	1,530	3,935	1,292	2,199	7,054	1,704	5,307
99 employees	1,000	19,410	47	317	781	6,574	1,305	1,036	2,941	1,318	5,092
99 employees	1,000	5,716	10	113	136	2,473	439	183	350	408	1,603
more employees	1,000	10,645	5	101	231	5,020	976	151	214	800	3,146
yroll	**Bil. dol**	**1,514**	**5.2**	**28.2**	**97.8**	**457.8**	**122.8**	**130.5**	**179.2**	**131.7**	**346.2**
employees	Bil. dol	352	3.0	3.8	34.1	27.1	15.7	44.4	63.5	34.8	112.6
employees	Bil. dol	388	1.3	7.0	34.4	77.1	28.9	49.7	72.0	37.0	78.9
99 employees	Bil. dol	362	6	9.9	19.2	137.4	33.8	26.7	34.1	29.5	71.3
99 employees	Bil. dol	126	(Z)	4.0	3.6	59.2	12.8	5.4	5.3	9.4	25.8
more employees	Bil. dol	286	(Z)	3.5	6.6	157.0	31.6	4.4	4.3	21.1	57.7

than $500 million. [1] Includes nonclassifiable establishments not shown separately. [2] Includes forestry and [3] Includes other public utilities. [4] Includes real estate.

S. Bureau of the Census, *County Business Patterns*, annual.

Digitized by Google

No. 833. Consumer and Farmer Cooperatives, by Type of Association: 1970 to 1985

[**Members in thousands; business in millions of dollars.** Business refers to loans outstanding]

Type of association	1970			1981			1985		
	Associations	Members	Business	Associations	Members	Business	Associations	Members	Business
Credit unions [1]	23,656	22,819	14,106	20,697	45,089	50,394	15,045	45,265	74,409
Electric power cooperatives [2]	875	5,789	1,195	869	9,028	7,440	868	10,032	11,032
Rural telephone cooperatives [3]	235	609	86	254	962	391	250	1,047	607
Independent prepaid and self-insured health plans [4]	[5] 482	[5] 12,204	1,068	(NA)	[6] 29,107	[6] 9,353	(NA)	(NA)	(NA)
Farmer cooperatives selling producer and consumer goods [7]	6,209	(NA)	3,871	5,009	(NA)	17,059	4,288	(NA)	16,641

NA Not available. [1] Beginning 1985, covers federally insured credit unions. Source: National Credit Union Administration, *Annual Report of the National Credit Union Administration* and *State Chartered Credit Unions*. [2] Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Electric Borrowers*. [3] Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*. [4] Source: U.S. Health Care Financing Administration, *Health Care Financing Review*, September 1982, and unpublished data. [5] 1968 data. [6] 1979 data. [7] Data for fiscal years ending June 30 or earlier in years shown.

Source: Except as noted, U.S. Dept. of Agriculture, Agricultural Cooperative Service, unpublished data.

No. 834. Industrial and Commercial Starts and Failures—Number and Liabilities: 1970 to 1986

[Excludes Hawaii prior to 1975, Alaska prior to 1976. Commercial and industrial failures only through 1983, excluding failures of banks, railroads, real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc. Data for 1984–86 based on expanded coverage and new methodology and are therefore not generally comparable with earlier data. See also *Historical Statistics, Colonial Times to 1970*, series V 20–30]

Year	Total concerns in business [1] (1,000)	Index of net business formations [2] (1967 = 100)	New incorporations [2] (1,000)	Failures [3] Number	Failures [3] Rate per 10,000 concerns	Failures [3] Current liabilities [4] (mil. dol.)	Year	Total concerns in business [1] (1,000)	Index of net business formations [2] (1967 = 100)	New incorporations [2] (1,000)	Failures [3] Number	Failures [3] Rate per 10,000 concerns	Failures [3] Current liabilities [4] (mil. dol.)
1970	2,442	108.8	264	10,748	44	1,888	1982	2,806	116.4	567	24,908	88	15,611
1975	2,679	109.9	326	11,432	43	4,380	1983	2,851	117.5	600	31,334	110	16,073
1980	2,780	129.9	534	11,742	42	4,635	1984	4,885	121.3	635	52,078	107	29,269
1981	2,745	124.8	581	16,794	61	8,955	1985	4,990	120.9	662	57,078	115	36,937
							1986, prel.	5,119	120.4	702	61,232	120	44,046

[1] Data through 1983 represent number of names listed in July issue of *Dun & Bradstreet Reference Book*. Data for 1984–86 represent the number of establishments listed in the Dun's Census of American Business. The base has been changed due to expanded business failure coverage. [2] Source: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, June issues.

[3] Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court. [4] Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

No. 835. New Business Incorporations and Number of Failures, by State: 1985 and 1986

[**1986** preliminary. **Business incorporations in thousands.** See headnote, table 834]

Division and state	New business incorporations		Number of failures		Division and state	New business incorporations		Number of failures		Division and state	New business incorporations		Number of failures	
	1985	1986	1985	1986		1985	1986	1985	1986		1985	1986	1985	1986
U.S.	**662.0**	**702.1**	**57,253**	**61,232**	**W.N.C.**—Con.					**W.S.C.**	**66.2**	**63.9**	**7,943**	**12,704**
N.E.	**37.9**	**42.0**	**1,228**	**1,115**	MO	10.2	11.2	1,247	1,622	AR	5.3	5.6	622	372
ME	2.8	3.1	60	59	ND	.9	.9	94	98	LA	11.4	11.7	1,383	1,824
NH	3.5	3.9	61	54	SD	.9	1.0	145	150	OK	8.1	7.8	1,030	2,834
VT	1.7	1.8	38	30	NE	2.6	2.6	487	365	TX	41.4	38.8	4,908	7,674
MA	15.8	17.3	683	733	KS	4.8	4.4	1,583	1,872	**Mt.**	**46.4**	**48.5**	**5,359**	**5,894**
RI	3.1	3.5	60	37	**S.A.**	**168.3**	**183.1**	**6,555**	**6,255**	MT	1.4	1.5	194	184
CT	11.2	12.5	306	202	DE	26.6	31.5	46	48	ID	1.6	1.8	203	311
M.A.	**120.3**	**130.2**	**4,498**	**3,980**	MD	14.2	18.0	450	462	WY	1.0	1.0	274	281
NY	72.1	76.9	1,851	1,510	DC	2.2	2.3	60	69	CO	14.2	15.9	2,694	3,254
NJ	30.5	33.1	990	907	VA	15.0	16.7	991	684	NM	2.6	2.5	358	269
PA	17.7	20.2	1,657	1,563	WV	2.5	2.6	367	225	AZ	12.9	12.5	693	664
E.N.C.	**81.5**	**85.4**	**9,995**	**9,589**	NC	11.8	12.7	665	583	UT	3.7	3.9	576	571
OH	17.2	18.4	2,456	2,057	SC	7.1	8.2	230	264	NV	8.7	9.5	367	360
IN	9.9	10.7	1,245	1,085	GA	17.3	17.8	952	606	**Pac.**	**82.8**	**88.0**	**13,507**	**13,507**
IL	26.1	27.0	3,402	3,277	FL	71.6	77.8	2,794	3,316	WA	9.4	9.0	1,637	1,774
MI	21.9	22.9	1,465	1,609	**E.S.C.**	**25.9**	**27.0**	**3,276**	**2,983**	OR	7.2	7.3	1,151	1,001
WI	6.4	6.5	1,427	1,561	KY	7.9	7.7	983	947	CA	61.2	67.2	10,296	10,160
W.N.C.	**32.7**	**34.0**	**4,892**	**5,205**	TN	8.7	9.3	1,217	1,166	AK	2.1	1.7	173	289
MN	9.2	9.7	506	635	AL	6.1	6.8	606	369	HI	3.0	2.8	250	283
IA	4.1	4.2	830	665	MS	3.2	3.1	468	501					

Source of tables 834 and 835: Except as noted, Dun & Bradstreet Corporation, New York, NY, *The Failure Record Through 1986* and *Monthly Failure Report*.

Digitized by Google

No. 836. Business Failures by Industry Sector: 1984 to 1986

[Data based on expanded coverage and new methodology and are therefore not directly comparable with data prior to 1984. See section 16 for bank failures]

INDUSTRY	1984	1985	1986, prel.	INDUSTRY	1984	1985	1986, prel.
Total	52,078	57,253	61,232	Wholesale trade	4,882	4,836	4,815
Agricultural, forestry and fishing	1,988	2,699	2,622	Retail trade	13,787	13,494	13,524
Mining	744	796	911	Finance, insurance, real estate	2,392	2,676	2,771
Construction	6,936	7,005	7,037	Services	12,787	16,649	20,912
Manufacturing	5,015	4,869	4,740	Public administration	16	12	20
Transportation and public utilities	2,285	2,536	2,552	Unclassifiable establishments	1,246	1,681	1,328

Source: Dun & Bradstreet Corporation, New York, NY, *Monthly Failure Report*.

No. 837. Bankruptcy Petitions Filed, by Type and Chapter: 1975 to 1986

[For years ending June 30]

ITEM	1975	1978	1979	1980 [1]	1981	1982	1983	1984	1985	1986
Total	254,484	202,951	226,476	[2] 277,880	360,329	367,866	374,734	344,275	364,536	477,856
Business	30,130	30,528	29,500	36,449	47,415	56,423	69,818	62,170	66,651	76,281
Non-business	224,354	172,423	196,976	241,431	312,914	311,443	304,916	282,105	297,885	401,575
Voluntary	253,198	201,944	225,549	276,691	358,997	366,331	373,064	342,828	362,939	476,214
Involuntary	1,286	1,007	927	1,189	1,332	1,535	1,670	1,447	1,597	1,642
Chapter 7 [3]	209,330	168,771	183,259	214,357	265,721	255,098	251,322	232,994	244,650	332,679
Chapter 9 [4]	–	2	1	–	1	4	3	4	3	7
Chapter 11 [5]	3,506	3,266	3,042	5,302	7,828	14,059	21,207	19,913	21,425	24,443
Chapter 13 [6]	41,178	30,185	39,442	58,216	86,778	98,705	102,201	91,358	98,452	120,726
Section 304 [7]	(x)	(x)	(x)	5	1	–	1	6	6	1

– Represents zero. X Not applicable. [1] For the first three months of 1980 the judiciary operated under the Bankruptcy Act and for the last nine months under the new bankruptcy code established by the Bankruptcy Reform Act of 1978. Includes only those petitions filed under the new bankruptcy code. [2] Includes five Section 304 cases filed under the Reform Act in 1980 and 1 in 1981 which are not included in the subcategories of voluntary/involuntary. [3] Chapter 7, liquidation of non-exempt assets of businesses or individuals. [4] Chapter 9, adjustment of debts of a municipality. [5] Chapter 11, individual or business reorganization. [6] Chapter 13, adjustment of debts of an individual with regular income. [7] 11 U.S.C., Section 304, cases ancillary to foreign proceedings.

No. 838. Bankruptcy Petitions Filed and Pending: 1905 to 1986

[**In thousands.** For fiscal years ending in year shown; see text, section 9. Covers all U.S. bankruptcy courts. Bankruptcy petitions "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the bankruptcy court; "Pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	17	28	1935	69	65	1965	180	162	1983	375	537
1910	18	28	1940	53	55	1970	194	191	1984	344	576
1915	28	44	1945	13	21	1975	254	202	1985	365	609
1920	14	30	1950	33	38	1980	278	346	1986	478	729
1925	46	60	1955	59	56	1981	360	362			
1930	63	61	1960	110	95	1982	368	461			

Source of tables 837 and 838: Administrative Office of the U.S. Court, *Annual Report of the Director*

No. 839. Small Business Birth, Death, and Net Growth Rates: 1976 to 1984

[Represents any concern which, including its affiliates, is independently owned and operated, not dominant in the industry in which the procurement is classified, and can further qualify under the criteria set forth in Small Business Administration's Rules and Regulations, see source for details]

ITEM	Birth rate [1]	Death rate [2]	Net growth	ITEM	Birth rate [1]	Death rate [2]	Net growth
All industries: 1976–1978	13.0	9.6	3.3	Wholesale trade: 1976–1978	11.0	8.0	3.0
1978–1980	10.6	10.8	–.2	1978–1980	9.6	8.5	1.1
1980–1982	11.1	9.6	1.6	1980–1982	10.4	8.3	2.1
1982–1984	11.2	9.3	2.4	1982–1984	10.9	8.4	2.6
Construction: 1976–1978	12.8	10.2	2.6	Retail trade: 1976–1978	11.3	11.9	–.6
1978–1980	10.1	11.5	–1.4	1978–1980	9.7	11.4	–1.7
1980–1982	10.1	9.9	.3	1980–1982	10.1	10.3	–.2
1982–1984	12.5	10.4	2.0	1982–1984	10.5	10.2	.3
Manufacturing: 1976–1978	9.9	8.2	1.7	Services: 1976–1978	17.1	7.9	9.3
1978–1980	9.5	8.2	1.3	1978–1980	12.7	11.5	1.2
1980–1982	9.0	8.2	.8	1980–1982	13.8	9.5	4.4
1982–1984	9.6	8.1	1.5	1982–1984	13.8	8.9	4.9

[1] Business births represents the number of establishments formed during a specified period; also, the appearance of a new establishment or enterprise in the Small Business Data Base (SBDB). [2] Business deaths represent the disappearance of an establishment or enterprise from the SBDB for financial or nonfinancial reasons.

Source: U.S. Small Business Administration, Office of Advocacy, Small Business Data Base, USELM file, version 6, March 1987

Digitized by Google

No. 840. Women-Owned and Minority-Owned Firms—Number and Receipts for Ten Largest SMSA's and Industries by Type of Ownership: 1982

[Represents standard metropolitan statistical areas (SMSA's) established by the Office of Management and Budget, as of January 1, 1982. See Appendix II for newly defined metropolitan statistical areas and definition. The number enclosed within parentheses is the 2 digit Standard Industrial Classification for that industry]

SMSA and industry group	Women-owned		SMSA and industry group	Black-owned		SMSA and industry group	Hispanic-owned		SMSA and industry group	Asian- and other-owned	
	Number of firms	Receipts (mil. dol.)		Number of firms	Receipts (mil. dol.)		Number of firms	Receipts (mil. dol.)		Number of firms	Receipts (mil. dol.)
Los Angeles-Long Beach, CA	117,468	3,789	Los Angeles-Long Beach, CA	23,520	775	Los Angeles-Long Beach, CA	29,982	1,717	Los Angeles-Long Beach, CA	38,331	2,956
New York, NY-NJ	101,223	5,321	New York, NY-NJ	20,242	725	Miami, FL	24,898	2,236	Honolulu, HI	21,676	2,158
Chicago, IL	68,277	2,958	Washington, DC-MD-VA	18,805	556	New York, NY-NJ	12,292	882	San Francisco-Oakland, CA	19,556	1,456
San Francisco-Oakland, CA	64,413	1,940	Chicago, IL	13,660	934	San Antonio, TX	10,341	555	New York, NY-NJ	15,885	916
Dallas-Fort Worth, TX	56,448	1,996	Houston, TX	12,206	328	Houston, TX	9,276	441	Chicago, IL	8,553	491
Washington, DC-MD-VA	51,015	1,305	San Francisco-Oakland, CA	9,388	390	San Francisco-Oakland, CA	7,649	418	Anaheim-Santa Ana-Garden Grove, CA	8,036	441
Houston, TX	48,694	1,710	Detroit, MI	8,731	369	El Paso, TX	5,994	402	San Jose, CA	7,370	393
Philadelphia, PA-NJ	42,630	1,654	Philadelphia, PA-NJ	8,581	354	McAllen-Pharr-Edinburg, TX	5,766	322	Houston, TX	6,569	397
Detroit, MI	40,176	1,300	Dallas-Fort Worth, TX	7,825	210	Anaheim-Santa Ana-Garden Grove, CA	5,317	306	Washington, DC-MD-VA	5,879	289
Denver-Boulder, CO	37,916	1,053	Atlanta, GA	7,077	336	Riverside-San Bernadino-Ontario, CA	5,218	272	San Diego, CA	4,482	216
INDUSTRY			**INDUSTRY**			**INDUSTRY**			**INDUSTRY**		
Eating and drinking places (58)	66,811	6,684	Automotive dealers and service stations (55)	3,448	1,307	Automotive dealers and service stations (55)	3,746	1,309	Food stores (54)	10,281	2,504
Food stores (54)	37,635	6,047	Miscellaneous retail (59)	53,981	993	Wholesale trade—nondurable goods (51)	2,279	1,286	Eating and drinking places (58)	17,028	1,922
Personal services (72)	419,113	5,500	Food stores (54)	9,187	883	Food stores (54)	7,692	1,095	Miscellaneous retail (59)	36,577	1,467
Wholesale trade-nondurable goods (51)	22,231	5,297	Eating and drinking places (58)	11,629	675	Eating and drinking places (58)	10,791	1,076	Health services (80)	20,063	1,446
Automotive dealers and service stations (55)	14,353	4,754	Health services (80)	17,195	595	Special trade contractors (17)	22,017	1,042	Automotive dealers and service stations (55)	2,459	1,004
Real estate (65)	225,551	4,733	Special trade contractors (17)	18,399	578	Health services (80)	8,401	579	Hotels and other lodging places (70)	4,925	643
Health services (80)	128,389	3,989	Personal services (72)	40,394	561	Wholesale trade—durable goods (50)	1,343	531	Wholesale trade—nondurable goods (51)	2,660	638
Wholesale trade—durable goods (50)	12,021	3,893	Wholesale trade—nondurable goods (51)	2,441	550	Trucking and warehousing (42)	9,201	419	Personal services (72)	20,129	496
Special trade contractors (17)	47,219	2,497	Trucking and warehousing (42)	13,029	530	Personal services (72)	22,382	410	Special trade contractors (17)	9,915	490
Apparel and accessory stores (56)	29,130	2,446	Wholesale trade-durable goods (50)	1,210	309	Auto repair, services, and garages (75)	6,873	363	Wholesale trade-durable goods (50)	1,574	365

Source: Bureau of the Census, *1982 Survey of Minority-Owned Business Enterprises*, series MB82-1, MB82-2, MB82-3; and *1982 Survey of Women-Owned Businesses*, series WB82-1.

Digitized by Google

NO. 841. SMALL AND MINORITY-OWNED BUSINESS—FEDERAL CONTRACT AWARDS, BY STATE: 1984 AND 1985

[In millions of dollars, except percent. Excludes Guam and Puerto Rico. Represents contract awards of $10,000 or more. Minus sign (–) indicates decrease]

REGION, DIVISION, AND STATE	TOTAL CONTRACTS AWARDED			SMALL BUSINESS SHARE				MINORITY-OWNED SHARE			
					1985				1985		
	1984	1985	Percent change 1984–1985	1984	Amount	Percent of total	Percent change 1984–1985	1984	Amount	Percent of total	Percent change 1984–1985
U.S	**157,226**	**176,526**	**22.9**	**24,843**	**26,494**	**15.0**	**6.7**	**3,865**	**3,718**	**2.1**	**–3.8**
Region:											
Northwest	34,379	37,279	8.4	4,380	4,705	12.6	7.4	494	471	1.3	–4.7
Midwest	26,307	31,603	20.1	4,272	4,739	15.0	10.9	462	548	1.7	18.6
South	47,362	54,703	15.5	10,163	10,563	19.3	3.9	1,898	1,583	2.9	–16.6
West	49,178	52,941	7.7	6,027	6,487	12.3	7.6	1,012	1,116	2.1	10.3
New England	**15,309**	**16,688**	**9.0**	**1,253**	**1,512**	**9.1**	**20.7**	**126**	**122**	**.7**	**–3.2**
Maine	567	1,001	76.5	119	105	10.5	–11.8	20	8	.8	–60.0
New Hampshire	699	747	6.9	49	88	11.8	79.6	2	3	.4	50.0
Vermont	188	179	–4.8	23	18	10.1	–21.7	1	1	.8	-
Massachusetts	7,507	8,277	10.3	662	730	8.8	10.3	82	70	.8	–14.6
Rhode Island	427	462	8.2	108	154	33.3	42.6	2	2	.4	-
Connecticut	5,922	6,022	1.7	293	417	6.9	42.3	19	38	.6	100.0
Middle Atlantic	**19,071**	**20,591**	**8.0**	**3,127**	**3,193**	**15.5**	**2.1**	**368**	**349**	**1.7**	**–5.2**
New York	10,742	11,216	4.4	1,379	1,297	11.6	–6.0	179	171	1.5	–4.5
New Jersey	4,090	4,441	8.6	809	883	19.9	9.2	82	77	1.7	–6.1
Pennsylvania	4,239	4,934	16.4	939	1,013	20.5	7.9	107	101	2.0	–5.6
East North Central	**13,091**	**16,750**	**28.0**	**2,929**	**3,357**	**20.0**	**14.6**	**229**	**330**	**2.0**	**44.1**
Ohio	4,141	5,895	42.4	792	878	14.9	10.9	97	159	2.7	63.9
Indiana	2,651	3,428	29.3	330	413	12.0	25.2	34	24	.7	–29.4
Illinois	2,318	2,670	15.2	590	719	26.9	21.9	69	107	4.0	55.1
Michigan	2,708	3,265	20.6	437	492	15.1	12.6	13	31	.9	138.5
Wisconsin	1,273	1,492	17.2	781	855	57.3	9.5	15	9	.6	–40.0
West North Central	**13,215**	**14,853**	**12.4**	**1,343**	**1,382**	**9.3**	**2.9**	**232**	**218**	**1.5**	**–6.0**
Minnesota	2,211	2,572	16.3	172	180	7.0	4.7	6	12	.5	100.0
Iowa	521	696	33.6	85	74	10.6	–12.9	12	11	1.6	–6.3
Missouri	7,321	6,535	16.6	495	514	6.0	3.8	44	45	.5	2.3
North Dakota	235	260	10.7	167	137	52.7	–18.0	108	82	31.5	–24.1
South Dakota	124	145	16.9	63	71	49.0	12.7	21	20	13.8	–4.8
Nebraska	344	378	9.9	146	139	36.6	–4.8	7	10	2.6	42.9
Kansas	2,460	2,267	–7.9	215	267	11.6	24.2	34	38	1.7	11.8
South Atlantic	**24,979**	**31,023**	**24.2**	**5,528**	**6,506**	**21.0**	**17.7**	**1,144**	**1,094**	**3.5**	**–4.4**
Delaware	242	285	17.6	29	45	15.6	55.2	3	3	1.1	-
Maryland	5,515	6,856	24.3	1,046	1,253	18.3	19.8	372	301	4.4	–19.1
District of Columbia	1,942	2,146	10.5	499	640	29.8	28.3	184	243	11.3	32.1
Virginia	5,848	7,747	32.5	1,722	1,903	24.6	10.5	379	333	4.3	–12.1
West Virginia	217	208	–4.2	76	72	34.6	–5.3	3	8	3.6	166.7
North Carolina	1,126	1,357	20.5	430	474	34.9	10.2	43	34	2.5	–20.9
South Carolina	1,588	1,907	20.0	303	365	19.1	20.5	35	45	2.4	28.6
Georgia	3,304	3,832	16.0	450	633	16.5	40.7	55	52	1.4	–5.5
Florida	5,196	6,685	28.6	973	1,121	16.6	15.2	70	75	1.1	7.1
East South Central	**8,344**	**7,180**	**–14.0**	**2,072**	**1,465**	**20.4**	**–29.3**	**404**	**175**	**2.4**	**–56.7**
Kentucky	1,003	1,023	2.0	604	304	29.7	–49.7	189	44	4.3	–76.7
Tennessee	3,324	2,767	–16.8	702	217	7.8	–69.1	98	–5	(x)	(x)
Alabama	1,622	1,935	19.3	557	647	33.4	16.2	93	103	5.3	10.8
Mississippi	2,396	1,455	–39.3	209	297	20.4	42.1	25	33	2.3	32.0
West South Central	**14,039**	**16,500**	**17.5**	**2,564**	**2,592**	**15.7**	**1.1**	**350**	**314**	**1.9**	**–10.3**
Arkansas	776	886	14.2	142	165	18.6	16.2	13	10	1.1	–23.1
Louisiana	2,502	2,871	14.8	482	444	15.5	–7.9	28	53	1.8	89.3
Oklahoma	669	764	10.9	360	340	44.5	–5.6	60	71	9.3	18.3
Texas	10,071	11,979	19.0	1,580	1,643	13.7	4.0	250	180	1.5	–28.0
Mountain	**9,593**	**10,875**	**13.4**	**1,404**	**1,669**	**15.3**	**18.9**	**252**	**329**	**3.0**	**30.8**
Montana	157	184	17.2	117	139	75.5	18.8	37	37	20.1	-
Idaho	440	509	15.7	74	74	14.5	-	8	7	1.4	–12.5
Wyoming	145	199	37.2	52	108	54.3	107.7	3	2	1.0	–33.3
Colorado	2,073	2,750	32.7	339	481	17.5	41.9	45	95	3.5	111.1
New Mexico	2,375	2,576	8.5	231	270	10.5	16.9	50	90	3.5	80.0
Arizona	2,237	2,488	11.2	321	303	12.2	–5.6	61	54	2.2	–11.5
Utah	1,375	1,267	–7.9	197	217	17.1	10.2	26	26	2.1	-
Nevada	792	902	13.9	72	77	8.5	6.9	22	18	2.0	–18.2
Pacific	**39,585**	**42,066**	**6.3**	**4,623**	**4,818**	**11.5**	**4.2**	**760**	**787**	**1.9**	**3.6**
Washington	4,104	5,036	22.7	496	479	9.5	–3.6	81	70	1.4	13.6
Oregon	406	441	8.6	200	213	48.3	6.5	18	20	4.5	25.0
California	33,916	35,213	3.8	3,405	3,503	9.9	2.9	515	537	1.5	4.3
Alaska	588	718	22.1	246	350	48.7	42.3	24	25	3.5	4.2
Hawaii	571	658	15.2	274	273	41.5	– 4	124	135	20.5	8.9

- Represents zero X Not applicable.

Source: U.S. Small Business Administration, *The State of Small Business: A Report of the President*, annual. Data from Federal Procurement Data Center, "Special Report J6374A," May 16, 1985.

Digitized by Google

NO. 842. MERGERS AND ACQUISITIONS—HISTORICAL SUMMARY: 1965 TO 1986

ITEM	Unit	1965	1970	1980	1981	1982	1983	1984	1985	1986
Mergers and acquisitions, net [1]	Number	2,125	5,152	1,889	2,395	2,346	2,533	2,543	3,001	3,336
Dollar value paid	Bil. dol.	(NA)	16.4	44.3	82.6	53.8	73.1	122.2	179.6	173.1
$100 million-plus deals	Number	(NA)	10	94	113	116	138	200	270	346
Method of payment:										
Cash	Percent	67	29	47	42	36	32	43	51	42
Stock	Percent	30	52	31	34	29	35	26	29	32
Combination	Percent	3	16	21	23	31	33	30	26	26
Debt	Percent	(Z)	3	1	1	2	–	1	–	–
Divestitures	Number	191	1,401	666	830	875	932	900	1,218	1,259
Acquisitions of publicly traded sellers	Number	(NA)	(NA)	173	168	180	190	211	336	386
Acquisitions of privately held sellers	Number	(NA)	(NA)	968	1,330	1,222	1,316	1,351	1,358	1,598
Foreign sellers, total	Number	(NA)	(NA)	102	101	121	146	147	175	180
Foreign buyers, total	Number	(NA)	(NA)	187	234	154	125	151	197	264
Average P/E paid	Percent	19.4	23.1	15.2	15.6	13.9	16.7	17.2	18.8	22.2
Average premium paid over market	Percent	(NA)	33.4	49.9	48.0	47.4	37.7	37.9	37.1	38.2
Cancelled transactions	Number	(NA)	527	178	163	189	162	218	236	199

– Represents zero NA Not available [1] Represents announcement. [2] A separate count for debt payments began in 1970.

NO. 843. MERGER AND ACQUISITION TRANSACTIONS—NUMBER AND VALUE, BY INDUSTRY: 1982 TO 1986

[Represents transactions for which valuation data are publicly reported]

INDUSTRY CLASSIFICATION OF SELLER	NUMBER OF MERGERS					NOMINAL VALUE (mil. dol.)				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
Total	**2,346**	**2,533**	**2,543**	**3,001**	**3,336**	**53,755**	**73,081**	**122,224**	**179,768**	**173,137**
Oil and gas	80	111	102	86	58	9,166	12,076	42,982	23,160	3,247
Banking and finance	426	331	251	381	415	5,605	13,628	5,846	14,037	19,442
Insurance	81	67	66	67	94	5,718	2,966	3,006	2,694	5,413
Mining and minerals	31	18	12	18	14	355	2,946	347	356	148
Food processing	52	74	58	82	101	3,075	1,164	7,095	11,838	4,707
Conglomerate	14	13	18	14	20	3,974	2,745	6,983	18,302	15,307
Transportation	40	36	36	48	58	1,074	5,255	1,252	2,877	6,829
Broadcasting	47	60	83	93	123	787	3,747	1,918	15,013	8,107
Retail	86	90	130	136	147	1,948	1,489	6,873	10,030	13,683
Brokerage and investment firms	56	63	86	49	47	861	1,455	1,460	579	1,710
Other	1,433	1,670	1,701	2,029	2,259	21,191	25,609	44,662	82,882	94,544

Source of tables 842 and 843: W.T. Grimm & Co., Chicago, IL, *Mergerstat Review, 1986*. (Copyright.)

NO. 844. WORKING CAPITAL OF NONFINANCIAL CORPORATIONS: 1975 TO 1985

[**In billions of dollars, except ratios.** As of **December 31.** Covers all nonfinancial U.S. corporations]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Current assets	756.3	823.1	900.9	1,028.1	1,200.9	1,281.6	1,374.5	1,425.4	1,557.3	1,703.0	1,778.5
Cash on hand and in banks [1]	80.0	86.8	94.3	103.7	116.1	121.0	126.6	144.1	165.8	173.6	188.0
U.S. Government securities	19.6	26.0	18.7	17.8	15.6	17.3	19.2	22.4	30.6	36.2	32.8
Receivables, total [2]	272.1	292.4	325.0	381.9	456.8	491.2	528.0	511.0	577.8	633.1	671.2
Inventories	314.7	341.4	375.6	428.3	501.7	525.4	560.2	575.2	599.0	656.9	663.9
Other current assets	69.9	76.4	87.3	96.3	110.7	126.7	140.5	172.7	183.7	203.2	223.2
Current liabilities	**446.9**	**487.5**	**546.8**	**661.9**	**809.1**	**877.2**	**923.2**	**977.8**	**1,043.0**	**1,163.6**	**1,232.7**
Payables	261.2	273.2	313.7	375.1	456.3	498.3	520.4	552.8	577.9	647.8	683.1
Other current liabilities	185.7	214.2	233.1	286.8	352.8	378.9	402.9	425.0	465.1	515.8	549.7
Net working capital	**309.5**	**335.6**	**354.1**	**366.2**	**391.8**	**404.4**	**451.3**	**447.6**	**514.3**	**539.5**	**545.7**
Liquidity ratio [3]	.379	.368	.366	.329	.300	.302	.310	.347	.385	.355	.360
Current ratio [4]	1.693	1.688	1.648	1.553	1.484	1.461	1.489	1.458	1.493	1.464	1.443

[1] Includes time certificates of deposits. [2] Includes U.S. Government receivables. [3] Cash plus U.S. Government securities plus "other current assets," divided by "current liabilities." [4] "Current assets" divided by "current liabilities."

Source: Through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census. Published quarterly in Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*.

Digitized by Google

No. 845. Nonfinancial Corporate Business-Sector Balance Sheet: 1970 to 1986

[In billions of dollars. Represents year-end outstandings]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total assets	1,305	2,209	2,676	3,075	3,507	3,983	4,424	4,582	4,839	5,160	5,407	5,804
Tangible assets (current cost)	935	1,652	2,004	2,311	2,618	2,988	3,362	3,505	3,645	3,876	4,030	4,138
Reproducible	823	1,487	1,803	2,078	2,352	2,671	2,993	3,107	3,220	3,413	3,538	3,609
Land	112	164	201	235	267	316	370	399	425	463	494	529
Financial assets	370	558	672	764	889	994	1,061	1,077	1,194	1,285	1,376	1,466
Liquid assets	69	125	143	159	178	196	214	248	303	324	340	389
Demand deposits and currency	44	54	59	58	60	63	58	65	69	74	78	82
Time deposits	5	22	29	31	36	40	55	65	82	92	99	112
Consumer credit	11	16	19	21	22	22	24	24	28	31	35	36
Trade credit	195	256	311	367	437	486	509	493	555	602	637	643
Miscellaneous assets	94	160	198	217	251	290	314	311	308	327	365	399
Total liabilities	541	767	925	1,071	1,234	1,379	1,534	1,610	1,732	1,988	2,206	2,405
Credit market instruments	354	545	657	740	835	914	1,019	1,089	1,151	1,345	1,514	1,696
Profit taxes payable	11	14	20	25	27	25	19	4	10	11	9	10
Trade debt	162	180	213	264	317	356	387	392	433	467	500	501
Foreign direct investment in U.S	13	28	35	42	54	83	109	125	137	165	183	198
Net worth	764	1,442	1,751	2,004	2,273	2,604	2,890	2,972	3,107	3,173	3,200	3,199

Source: Board of Governors of the Federal Reserve System, *Balance Sheets for U.S. Economy.*

No. 846. Corporation Income Tax Returns—Selected Balance Sheet, Income Statement, and Tax Items: 1970 to 1984

[In billions of dollars, except number of returns. Federal returns and active corporations only. All corporations are required to file returns except those specifically exempt. See source for changes in law affecting comparability of historical data. Based on samples; see Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series Y 381–392]

ITEM	1970	1975	1976	1979	1980	1981	1982	1983	1984
Number of returns, total (1,000)	1,665	2,024	2,377	2,578	2,711	2,812	2,926	2,998	3,171
Number with net income (1,000)	1,008	1,226	1,524	1,599	1,597	1,597	1,608	1,676	1,776
Small Business Corporation returns (1,000)	257	358	479	519	545	541	564	648	701
BALANCE SHEET									
Assets, total [1]	2,635	4,287	6,014	6,845	7,617	8,547	9,358	10,201	11,107
Depreciable assets	869	1,277	1,696	1,897	2,107	2,353	2,583	2,730	2,913
Notes and accounts receivable	615	1,052	1,589	1,817	1,985	2,240	2,420	2,677	2,897
Mortgage and real estate	328	548	762	841	894	934	942	982	1,127
Investments in Government obligations	197	316	404	421	472	515	606	685	726
Inventories	190	318	443	504	535	586	581	599	664
Cash	177	290	413	462	529	533	541	590	596
Land	47	67	80	85	93	102	110	119	126
Depletable assets	19	39	45	58	72	84	95	108	115
Liabilities [1]	2,635	4,287	6,014	6,835	7,617	8,547	9,358	10,201	11,107
Mortgages, notes, and bonds [3]	363	567	780	885	967	1,058	1,224	1,323	1,494
Retained earnings [3]	366	568	836	959	1,070	1,170	1,228	1,274	1,306
Paid-in or capital surplus	197	299	382	448	532	671	782	874	1,066
Capital stock	201	252	309	353	417	533	658	787	839
Mortgages, notes, and bonds [4]	171	272	381	452	505	586	667	760	867
Accounts payable	149	263	404	483	542	620	679	671	741
Net worth	752	1,097	1,495	1,720	1,944	2,244	2,470	2,645	2,884
INCOME STATEMENT									
Receipts, total [1]	1,751	3,199	4,715	5,816	6,361	7,026	7,024	7,135	7,861
Business receipts	1,621	2,962	4,354	5,153	5,732	6,245	6,157	6,335	6,948
Interest [2]	72	143	220	289	367	494	530	511	580
Rents and royalties	17	27	38	40	54	68	83	83	90
Deductions, total [1]	1,683	3,053	4,467	5,332	6,125	6,814	6,869	6,945	7,629
Cost of sales and operations	1,146	2,130	3,113	3,722	4,205	4,509	4,271	4,306	4,693
Interest paid	82	129	192	262	345	477	515	475	536
Depreciation	53	86	121	138	157	186	213	241	265
Taxes paid	50	82	116	126	163	170	166	173	192
Compensation of officers	33	58	85	97	109	120	129	141	157
Rent paid on business property	24	41	56	64	72	82	95	105	119
Repairs	14	23	34	39	42	70	73	75	76
Advertising	18	27	41	48	52	60	65	72	82
Employee benefit programs	17	16	27	34	40	46	52	59	65
Pension, profit-sharing, stock bonus, and annuity plans	12	27	42	47	52	53	54	54	53
Net income (less deficit), total	66	143	247	285	239	214	154	188	233
Net income	84	169	275	322	297	301	274	297	349
Deficit	18	26	28	37	58	87	120	109	116
TAX ITEMS									
Income subject to tax	72	147	240	280	247	240	205	219	257
Income tax before credits [6]	33	66	107	119	104	101	85	92	108
Tax credits, total [1]	5	26	44	54	42	44	40	40	44
Foreign tax credit	5	20	26	37	25	22	19	20	21
Investment credit	1	6	13	15	15	19	17	16	(NA)
Income tax after credits [6]	28	39	63	65	62	57	45	52	64

NA Not available. [1] Includes items not shown separately. [2] Payable in one year or more. [3] Appropriated and unappropriated. [4] Payable in less than one year. [5] Includes interest on Government obligations issued by U.S. State and local governments. [6] Consists of normal tax, surtax and alternative tax for tax years 1970 through 1979 and beginning 1980, regular tax and alternative tax. Tax year 1970 includes surcharge of $784 million.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns,* annual.

Digitized by Google

No. 847. Corporation Income Tax Returns—Financial Summary by Industrial Division: 1970 to 1984

[In billions of dollars, except number of returns and percent change]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984
Agriculture, forestry, and fishing returns (1,000)	37	56	83	81	85	91	92	98
Assets	11.9	21.2	38.0	40.7	46.1	50.4	50.3	50.7
Liabilities [1]	7.9	14.3	26.0	29.3	32.5	36.3	36.7	36.4
Receipts	14.3	28.1	53.3	52.1	65.1	65.4	59.2	66.6
Deductions	14.2	27.4	52.1	51.4	64.7	65.4	59.4	66.4
Net income (less loss)	60.1	.7	1.3	.7	.3	(–z)	– .2	.2
Mining returns (1,000)	14	14	24	26	33	37	37	41
Assets	24.0	64.5	115.5	126.9	168.9	192.4	194.4	209.0
Liabilities [1]	10.6	31.7	64.0	72.9	98.4	112.5	106.8	114.7
Receipts	17.7	65.9	132.5	176.7	200.2	203.1	132.4	123.5
Deductions	15.9	42.3	89.6	169.1	195.0	203.0	134.3	124.6
Net income (less loss)	1.8	23.6	43.1	7.8	5.8	.5	– 1.8	– .4
Construction returns (1,000)	139	191	250	272	278	282	284	307
Assets	42.7	76.7	123.3	132.9	150.8	153.1	161.4	195.3
Liabilities [1]	30.9	57.7	93.8	100.1	113.7	114.2	119.8	144.9
Receipts	90.6	147.0	252.9	267.2	280.2	281.7	290.8	338.6
Deductions	89.1	144.7	247.0	262.1	276.7	279.6	288.6	335.7
Net income (less loss)	1.5	2.2	6.0	5.3	3.5	2.3	2.3	2.9
Manufacturing returns (1,000)	196	217	237	243	251	259	262	272
Assets	612.9	944.6	1,528.6	1,709.5	1,933.7	2,060.7	2,233.0	2,417.6
Liabilities [1]	304.0	562.0	853.2	960.3	1,085.5	1,163.8	1,279.9	1,392.6
Receipts	723.0	1,296.4	2,152.7	2,404.3	2,613.5	2,486.3	2,552.8	2,768.2
Deductions	692.5	1,230.7	2,032.1	2,290.6	2,509.1	2,423.3	2,469.3	2,661.2
Net income (less loss)	31.8	68.4	130.4	125.7	118.8	75.8	95.3	121.2
Transportation, and public utilities returns (1,000)	67	81	104	111	109	115	123	128
Assets	267.7	443.2	674.5	758.4	837.3	919.9	998.9	1,084.9
Liabilities [1]	166.5	266.8	410.3	467.7	516.4	567.0	604.6	660.9
Receipts	135.5	243.5	446.0	523.8	598.5	632.3	657.4	725.6
Deductions	127.9	233.4	427.8	504.0	579.2	614.4	638.2	697.2
Net income (less loss)	7.5	10.1	18.4	20.0	19.8	18.3	19.5	28.9
Wholesale and retail trade returns (1,000)	518	615	773	800	817	840	852	897
Assets	192.2	323.5	573.3	646.9	708.1	753.4	804.2	899.0
Liabilities [1]	115.2	200.8	376.7	424.6	472.3	501.9	539.0	609.7
Receipts	522.5	969.9	1,752.7	1,955.5	2,039.6	2,017.7	2,119.4	2,307.6
Deductions	512.9	947.5	1,713.7	1,919.5	2,006.9	1,989.7	2,084.5	2,265.8
Net income (less loss)	9.7	22.5	40.2	35.8	33.3	28.4	35.3	42.0
Finance, insurance, and real estate returns (1,000)	406	412	471	493	470	462	480	497
Assets	1,401.2	2,322.0	3,626.9	4,022.2	4,486.2	4,987.5	5,487.2	5,939.0
Liabilities [1]	1,204.7	2,052.2	3,185.4	3,491.7	3,830.0	4,220.5	4,670.4	5,037.3
Receipts	177.3	315.8	561.1	697.5	877.8	949.9	902.8	1,033.1
Deductions	161.8	298.0	514.3	652.6	838.6	915.2	856.7	985.7
Net income (less loss)	12.2	11.7	37.0	33.1	26.3	21.8	31.7	32.7
Services returns (1,000)	281	436	603	671	753	820	848	896
Assets	81.9	90.5	154.0	178.2	213.7	237.9	269.8	307.9
Liabilities [1]	42.3	63.7	108.8	125.3	152.7	170.1	198.1	223.1
Receipts	69.6	131.4	245.1	279.9	346.8	380.8	416.5	490.3
Deductions	68.4	128.0	236.9	271.6	338.8	373.7	410.5	485.0
Net income (less loss)	1.2	3.4	8.3	8.2	8.2	7.2	6.0	5.5
ANNUAL PERCENT CHANGE								
Receipts:								
Agriculture, forestry, and fishing	17.7	10.5	28.6	–2.4	24.9	.5	– 9.4	12.6
Mining	9.3	1.7	40.0	33.3	13.3	1.5	– 34.8	– 6.7
Construction	8.0	7.2	16.7	5.7	4.9	.6	3.2	16.4
Manufacturing	1.8	(–z)	17.2	11.7	8.7	– 4.8	2.6	8.4
Transportation and public utilities	8.2	9.6	19.6	17.5	14.3	5.6	4.0	10.3
Wholesale and retail	2.6	5.0	19.9	11.6	4.3	– 1.1	5.0	8.9
Finance, insurance, and real estate	7.9	4.2	16.2	24.3	25.9	8.2	– 5.0	14.4
Services	15.9	13.7	18.4	14.2	23.9	9.8	9.4	17.7

Z Less than half the measure. [1] Liabilities does not include net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporations Income Tax Returns*, annual.

Digitized by Google

No. 848. Active Corporations—Income Tax Returns, by Asset Size-Class, and by Industry, 1984

[**In millions of dollars, except returns and percents.** Detail may not add to total because of rounding and the exclusion of data to prevent disclosure of individual taxpayer's identity. See table 846. See also *Historical Statistics, Colonial Times to 1970*, series V 167–183 and V 193–196]

Industry and item	Total	Asset size-class					
		Under 10 mil. dol.[1]	10–24.9 mil. dol.	25–49.9 mil. dol.	50–99.9 mil. dol.	100–249.9 mil. dol.	250 mil. dol. and over
Agriculture, forestry, and fishing returns	98,366	98,032	220	61	31	10	6
Assets or liabilities	50,700	38,682	3,246	2,075	2,367	1,423	2,907
Receipts	66,645	48,365	3,791	2,451	4,310	2,115	5,612
Deductions	66,436	48,562	3,761	2,461	4,234	2,053	5,365
Net income (less loss)	202	−206	29	−10	76	62	251
Mining returns	40,564	39,453	569	250	131	79	82
Assets or liabilities	209,036	20,714	9,087	6,716	9,063	15,522	145,934
Receipts	123,499	26,519	6,009	7,447	4,798	9,723	69,003
Deductions	124,627	27,075	6,400	7,657	5,169	9,827	68,499
Net income (less loss)	−358	−556	−366	−216	−373	−104	1,257
Construction returns	306,905	305,176	1,209	325	107	53	35
Assets or liabilities	195,273	101,536	18,079	11,165	7,578	6,540	48,373
Receipts	338,566	245,844	26,062	16,540	7,566	11,102	31,452
Deductions	335,696	243,215	263	162	7,436	11,773	31,868
Net income (less loss)	2,907	2,600	178	208	124	−71	−132
Manufacturing returns	272,037	263,296	4,774	1,803	860	594	710
Assets or liabilities	2,417,630	171,589	73,694	62,859	62,425	108,412	1,938,651
Receipts	2,766,248	411,493	130,817	98,173	92,108	145,560	1,886,413
Deductions	2,661,154	402,978	126,772	94,430	88,093	139,627	1,197,652
Net income (less loss)	121,359	8,487	4,029	3,747	4,063	6,160	94,873
Transportation and public utilities returns	128,183	126,532	798	316	119	120	298
Assets or liabilities	1,084,873	41,626	12,306	11,354	8,896	24,120	986,571
Receipts	725,631	90,731	16,347	11,859	9,926	19,872	576,896
Deductions	697,240	90,249	15,988	11,398	5,445	9,539	296,697
Net income (loss)	34,379	491	357	454	433	950	31,694
Wholesale and retail trade returns	896,524	928	4,219	1,233	467	332	243
Assets or liabilities	1,374,028	615,912	63,366	43,164	33,866	56,502	361,216
Receipts	2,307,612	1,213,201	182,123	108,501	83,290	133,845	586,652
Deductions	2,265,843	1,198,628	178,277	106,241	81,325	130,094	571,278
Net income (less loss)	42,011	14,435	3,852	2,255	1,973	3,754	15,742
Finance, insurance, and real estate returns	497,360	475,593	7,541	5,542	4,013	2,478	2,193
Assets or liabilities	5,936,985	173,540	122,760	196,346	280,998	378,237	4,785,104
Receipts	1,033,139	123,215	27,011	40,448	42,474	60,220	739,771
Deductions	985,667	120,076	25,510	38,509	40,457	57,028	704,087
Net income (less loss)	32,628	2,765	1,151	1,216	970	2,075	24,514
Services returns	899,369	896,931	1,432	517	235	159	95
Assets or liabilities	307,895	139,291	22,410	16,013	17,215	24,837	86,129
Receipts	490,332	333,716	27,197	21,064	17,706	24,710	60,319
Deductions	484,988	335,170	26,898	20,757	17,383	24,588	60,192
Net income (less loss)	4,934	4,140	308	312	2	40	132
PERCENT DISTRIBUTION							
Receipts:							
Agriculture, forestry, and fishing	100.0	72.6	5.7	3.7	6.5	3.2	8.4
Mining	100.0	21.5	4.9	6.0	3.9	7.9	55.9
Construction	100.0	72.6	7.7	4.9	2.2	3.3	9.3
Manufacturing	100.0	14.9	4.7	3.6	3.3	5.3	68.2
Transportation, and public utilities	100.0	12.5	2.3	1.6	1.4	2.7	79.5
Wholesale and retail trade	100.0	52.6	7.9	4.7	3.6	5.8	25.4
Finance, insurance, and real estate	100.0	11.9	2.6	3.9	4.1	5.8	71.6
Services	100.0	68.6	5.6	4.3	3.7	5.1	12.4
Deductions:							
Agriculture, forestry, and fishing	100.0	73.1	5.7	3.7	6.4	3.1	8.1
Mining	100.0	21.7	5.1	6.1	4.1	7.9	55.0
Construction	100.0	62.6	.1	.1	2.5	4.0	10.8
Manufacturing	100.0	19.7	6.2	4.6	4.3	6.8	58.4
Transportation, and public utilities	100.0	21.0	3.7	2.7	1.3	2.2	69.1
Wholesale and retail trade	100.0	52.9	7.9	4.7	3.6	5.7	25.2
Finance, insurance, and real estate	100.0	12.2	2.6	3.9	4.1	5.8	71.4
Services	100.0	69.1	5.5	4.3	3.6	5.1	12.4

[1] Includes returns with zero assets.

Source: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Return*, annual.

Digitized by Google

NO. 849. FIXED NONRESIDENTIAL PRIVATE CAPITAL VALUED IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986

[**In billions of dollars.** Stocks as of **Dec. 31**; depreciation over entire calendar year. Data refer to privately owned assets and are based on the fixed capital formation components of the gross national product. Excludes residential capital and government enterprises; includes nonprofit institutions. Gross stocks allow for retirement; net stocks allow for retirement and depreciation. Net stock and depreciation estimates are based on the straight-line depreciation formula]

ITEM	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
All industries:										
Gross stocks	1,453.4	2,661.7	4,844.4	6,698.3	7,004.2	3,737.8	4,513.3	5,420.0	6,340.4	6,529.7
Equipment	679.3	1,252.2	2,353.3	3,282.7	3,439.0	1,620.0	2,084.4	2,651.1	3,146.8	3,271.9
Structures	774.1	1,409.5	2,491.1	3,415.6	3,565.1	2,117.8	2,428.8	2,768.9	3,193.6	3,257.8
Net stocks	865.1	1,571.0	2,807.4	3,766.7	3,922.3	2,212.2	2,654.8	3,137.7	3,569.1	3,657.1
Equipment	395.0	718.7	1,336.8	1,794.4	1,876.7	939.8	1,192.7	1,505.5	1,731.2	1,798.6
Structures	470.2	852.3	1,470.6	1,972.3	2,045.6	1,272.4	1,461.9	1,632.2	1,837.9	1,858.5
Depreciation	68.4	125.4	233.9	341.2	355.9	174.7	220.4	277.8	337.0	351.5
Equipment	46.7	84.7	159.4	234.2	245.1	109.7	145.5	188.8	229.4	241.4
Structures	21.7	40.7	74.5	107.0	110.8	65.1	74.9	89.0	107.6	110.1
Manufacturing:										
Gross stocks	340.8	601.0	1,108.1	1,498.1	1,557.0	856.8	1,023.9	1,236.4	1,392.8	1,417.7
Equipment	218.1	391.7	741.5	998.0	1,035.2	540.4	664.4	832.0	954.1	975.7
Structures	122.5	209.3	366.6	500.0	521.8	316.4	359.5	404.4	438.6	441.9
Net stocks	203.8	351.3	639.9	812.2	835.4	513.3	597.2	707.2	757.3	763.2
Equipment	126.8	226.3	424.9	542.1	557.5	314.3	382.5	476.6	520.3	527.8
Structures	77.0	125.0	209.0	270.1	277.9	199.0	214.7	230.6	237.0	235.4
Depreciation	18.5	28.7	53.1	74.8	77.4	40.8	49.8	62.0	72.1	74.3
Equipment	12.7	22.0	41.8	58.8	60.9	30.6	38.1	48.9	58.0	60.1
Structures	3.8	6.7	11.3	15.9	16.5	10.2	11.7	13.1	14.1	14.3

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987.

NO. 850. FIXED NONRESIDENTIAL BUSINESS CAPITAL—AVERAGE AGE OF GROSS STOCKS, USING CONSTANT (1982) COST VALUATION: 1970 TO 1986

[**Age in years.** As of **Dec. 31.** See headnote, table 849]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
All industries: Gross stocks	11.8	11.4	11.4	11.3	11.2	11.2	11.3	11.4	11.4	11.4	11.4
Equipment	7.5	7.5	7.5	7.4	7.4	7.4	7.6	7.6	7.6	7.6	7.6
Structures	15.1	14.8	15.0	15.0	14.9	14.9	14.9	15.0	15.0	15.1	15.2
Manufacturing: Gross stocks	9.7	10.0	10.2	10.2	10.2	10.2	10.3	10.5	10.7	10.7	10.9
Equipment	8.4	8.5	8.5	8.4	8.4	8.4	8.5	8.7	8.8	8.9	8.9
Structures	11.9	12.9	13.5	13.6	13.8	13.9	14.1	14.4	14.6	14.8	15.1
Nonfarm nonmfg.: Gross stocks	12.6	12.0	11.9	11.8	11.7	11.6	11.7	11.7	11.8	11.5	11.5
Equipment	7.2	7.2	7.1	7.0	7.1	7.1	7.2	7.2	7.1	7.0	6.9
Structures	15.7	15.1	15.2	15.2	15.1	15.0	15.0	15.0	15.0	15.0	15.1
Farm: Gross stocks	9.9	9.7	9.7	9.7	9.9	10.2	10.6	11.1	11.5	12.0	12.6
Equipment	5.7	5.8	5.8	5.8	8.0	8.2	6.5	6.8	7.1	7.5	7.7
Structures	15.1	15.1	14.9	14.9	15.0	19.2	15.6	16.0	16.4	17.0	17.5

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1987.

NO. 851. GROSS PRIVATE DOMESTIC INVESTMENT: 1970 TO 1986

[**In billions of dollars**]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	Gross private domestic investment				Less: capital consumption allowances [2]	Equals: Net private domestic investment	Gross private domestic investment				Less: capital consumption allowances [2]	Equals: Net private domestic investment
	Total [1]	Fixed investment	Nonresidential	Residential			Total [1]	Fixed investment	Nonresidential	Residential		
1970	148.8	145.7	105.2	40.5	88.8	60.0	381.5	373.3	264.0	109.3	229.8	151.8
1975	219.8	225.2	162.9	62.3	161.8	57.8	383.3	396.1	281.2	114.9	287.0	96.3
1976	277.7	261.7	180.0	81.7	179.2	98.4	453.5	431.4	290.6	140.8	297.3	156.2
1977	344.1	322.8	214.2	108.6	201.5	142.5	521.3	492.2	324.0	168.1	309.6	211.7
1978	418.8	388.2	259.0	129.2	229.9	186.9	578.9	540.2	362.1	178.0	323.7	253.3
1979	454.8	441.9	302.8	139.1	265.8	189.1	575.2	560.2	389.4	170.8	341.3	234.0
1980	437.0	445.3	322.8	122.5	303.8	133.1	509.3	518.2	379.2	137.0	356.1	153.2
1981	515.5	491.5	369.2	122.3	347.8	167.7	545.5	521.7	395.2	126.5	369.7	175.8
1982	447.3	471.8	366.7	105.1	383.2	64.1	447.3	471.8	366.7	105.1	383.2	64.1
1983	502.3	509.4	356.9	152.5	396.8	105.7	504.0	510.4	361.2	149.3	394.4	109.6
1984	664.8	597.1	418.0	181.1	415.5	249.4	658.4	596.1	425.2	170.9	407.2	251.2
1985	641.6	631.8	442.6	189.0	437.6	204.0	636.1	628.7	454.1	174.6	429.3	206.8
1986	671.0	655.2	436.9	218.3	456.7	214.3	654.0	640.2	443.8	196.4	442.0	212.0

[1] Includes change in inventories, not shown separately. [2] With capital consumption adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July 1987.

Digitized by Google

No. 852. Gross Stock of Fixed Private Capital, Nonresidential and Residential, by Industry: 1980 to 1986

[In billions of dollars. Estimates as of the end of the year]

Industry	Current dollars				Constant (1982) dollars			
	1980	1984	1985	1986	1980	1984	1985	1986
Fixed private capital	**8,942.8**	**11,565.9**	**12,103.2**	**12,798.4**	**9,813.2**	**10,903.8**	**11,246.8**	**11,585.2**
Nonresidential	**4,844.4**	**6,432.9**	**6,698.3**	**7,004.2**	**5,420.0**	**6,127.5**	**6,340.4**	**6,529.7**
Agriculture, forestry and fisheries	**319.2**	**386.5**	**384.5**	**381.0**	**357.4**	**351.8**	**343.8**	**334.7**
Farms	295.2	354.6	351.2	346.6	330.6	321.7	312.9	303.3
Agr. serv., forestry, and fisheries	24.0	31.8	33.3	34.2	26.7	30.1	30.9	31.4
Mining	**358.0**	**444.6**	**447.2**	**428.5**	**474.1**	**537.4**	**549.2**	**542.7**
Metal mining	26.4	34.5	35.1	35.4	30.0	32.0	32.0	31.5
Coal mining	31.7	45.6	46.4	46.6	36.5	43.7	43.7	43.2
Oil and gas extraction	282.5	342.3	343.6	324.7	354.6	441.0	453.1	448.5
Nonmetallic minerals, exc. fuels	17.4	22.2	22.1	21.6	19.9	20.7	20.3	19.5
Construction	**100.3**	**110.3**	**109.3**	**110.0**	**113.1**	**103.0**	**100.5**	**98.7**
Manufacturing	**1,108.1**	**1,444.9**	**1,498.1**	**1,557.0**	**1,236.4**	**1,360.2**	**1,392.5**	**1,417.7**
Durable goods	604.9	790.2	822.3	856.0	674.1	750.1	772.9	790.6
Lumber and wood products	28.6	33.7	34.2	35.1	32.2	31.1	30.7	30.6
Furniture and fixtures	6.9	11.4	12.0	12.6	9.9	10.6	11.0	11.4
Stone, clay, glass products	47.4	55.6	56.1	56.6	52.7	52.9	52.9	52.5
Primary metal industries	141.6	173.2	175.9	178.3	159.1	162.6	162.4	161.0
Fabricated metal products	66.6	67.8	91.5	95.9	76.3	82.9	84.9	87.2
Machinery, exc. electrical	94.9	130.9	135.6	141.5	105.0	128.1	134.4	139.2
Elec. and elec. equipment	70.2	110.2	119.5	126.8	78.6	103.6	112.1	118.6
Motor vehicles and equipment	72.5	88.2	91.8	94.6	80.5	84.3	86.0	87.2
Other transp. equipment	40.3	56.1	60.0	64.2	44.9	52.7	55.6	58.6
Instruments, related products	19.9	28.8	30.9	33.0	22.0	27.4	29.3	30.7
Misc. mfg. industries	11.8	14.4	14.7	15.3	12.9	13.5	13.5	13.7
Nondurable goods	503.2	653.8	675.8	701.0	562.3	610.1	619.8	626.8
Food and kindred products	100.4	129.5	134.4	140.0	112.0	120.1	122.0	123.6
Tobacco manufacturers	5.2	8.8	9.5	10.3	5.9	6.3	6.6	9.3
Textile mill products	33.9	40.6	41.5	42.3	38.0	37.3	37.1	36.6
Apparel; other textile products	11.1	13.4	13.5	13.7	12.4	12.5	12.3	12.2
Paper and allied products	88.5	90.6	94.7	99.5	77.2	84.6	87.3	89.6
Printing and publishing	35.7	46.7	52.0	56.2	39.7	45.6	48.1	50.9
Chemicals, allied products	141.9	179.8	183.3	188.3	158.6	168.9	169.9	170.4
Petroleum and coal products	88.6	95.9	98.2	100.0	76.3	89.0	89.6	88.6
Rubber; misc. plastic products	35.2	43.3	45.4	47.5	39.2	40.6	41.7	42.6
Leather and leather products	2.7	3.2	3.2	3.3	3.0	3.0	3.0	2.9
Transportation and public utilities	**1,464.5**	**1,887.4**	**1,939.2**	**2,012.8**	**1,621.9**	**1,755.3**	**1,795.5**	**1,832.9**
Transportation	501.2	575.7	584.8	583.7	551.1	546.2	541.1	535.2
Railroad transportation	237.6	249.4	254.9	248.6	258.3	236.9	232.1	226.6
Local, interurban pass. transit	9.3	9.6	9.6	9.7	10.2	9.0	8.8	8.6
Trucking and warehousing	75.7	100.8	104.7	107.8	84.7	92.7	93.3	93.3
Water transportation	50.9	66.0	66.3	67.3	57.3	63.7	63.6	63.7
Transportation by air	60.4	76.1	74.4	75.4	69.1	72.6	71.6	71.6
Pipelines, exc. natural gas	34.8	36.0	36.5	36.7	36.6	36.6	36.9	36.8
Transportation services	32.4	35.6	36.4	36.3	34.9	34.4	34.5	34.4
Communication	346.4	539.1	550.7	591.4	392.2	476.4	497.9	520.5
Telephone and telegraph	327.2	510.1	519.9	558.5	370.3	450.2	470.5	491.9
Radio and TV broadcasting	19.2	28.9	30.7	32.9	21.8	26.3	27.4	28.6
Elec., gas, and sanitary services	618.6	772.6	803.8	837.8	678.8	732.7	756.5	777.2
Electric services	467.9	601.4	627.6	657.7	521.0	587.2	588.5	606.4
Gas services	132.2	151.2	154.4	157.0	140.5	146.2	147.7	149.1
Sanitary services	16.7	20.1	21.7	23.0	17.2	19.3	20.3	21.7
Wholesale trade	**152.3**	**228.0**	**248.2**	**272.4**	**167.5**	**220.2**	**241.9**	**263.4**
Retail trade	**258.1**	**370.8**	**398.1**	**432.3**	**295.1**	**339.6**	**367.9**	**377.1**
Finance, insurance, real estate	**716.1**	**1,031.6**	**1,106.7**	**1,199.7**	**789.2**	**962.1**	**1,030.9**	**1,103.7**
Banking	78.3	122.1	132.8	149.1	86.3	121.0	137.3	155.6
Credit agencies other than banks	59.9	87.4	94.2	102.9	65.5	85.9	95.0	104.0
Security, commodity brokers, and services	2.9	4.6	5.5	6.5	3.2	5.0	6.2	7.6
Insurance carriers	16.9	26.2	32.0	41.3	16.3	27.3	37.1	50.7
Ins. agents brokers, and services	4.3	5.3	5.2	5.4	4.6	5.4	5.5	5.7
Real estate	**546.4**	**773.1**	**822.6**	**877.3**	**603.3**	**704.6**	**733.6**	**759.6**
Holding, other investment co	7.3	12.6	14.4	17.2	7.9	13.0	16.0	20.0
Services	**367.8**	**529.8**	**566.0**	**610.5**	**408.2**	**497.9**	**527.9**	**558.7**
Hotels, other lodging places	63.2	93.6	102.1	111.9	69.6	84.9	90.6	96.6
Personal services	21.3	25.9	26.5	27.3	23.5	24.1	24.1	24.2
Business services	82.7	126.9	134.6	146.1	92.3	124.0	134.2	144.3
Auto repair; serv., garages	61.5	90.4	98.0	107.1	68.7	85.3	90.5	96.5
Misc. repair services	9.6	13.0	13.7	14.4	11.0	12.3	12.7	13.1
Motion pictures	6.7	10.7	11.1	11.7	9.3	10.4	10.6	11.2
Amusement, recreation services	30.1	38.9	40.9	42.9	33.6	36.4	37.6	38.9
Other services	90.4	130.3	136.9	149.0	100.0	120.7	127.0	133.6
Health services	49.6	79.2	85.7	92.7	55.1	73.3	78.1	82.9
Legal services	6.5	9.0	10.0	11.2	7.1	8.4	9.4	10.4
Educational services	2.3	2.6	2.6	2.8	2.5	2.7	2.9	3.2
Other [1]	32.1	39.5	40.6	42.3	35.3	36.2	36.7	37.3
Residential	**4,098.4**	**5,133.0**	**5,404.9**	**5,794.3**	**4,393.1**	**4,776.2**	**4,906.4**	**5,055.6**
ms	127.4	143.5	145.5	149.1	137.3	133.1	131.8	130.3
al estate	3,971.0	4,989.4	5,259.4	5,645.1	4,255.8	4,643.1	4,774.6	4,925.2

cludes social services, membership organizations, and miscellaneous professional services.

rce: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987.

Digitized by Google

No. 853. Business Expenditures for New Plant and Equipment: 1970 to 1987

[In billions of dollars. Based on sample and subject to sampling variability; see text, section 17. Represents expenditures for new facilities and for expansion or replacement of existing facilities that are chargeable to fixed asset accounts and for which depreciation or amortization accounts are ordinarily maintained. Excludes expenditures for land and mineral rights; maintenance and repair; used plant and equipment, including that purchased or acquired through mergers or acquisitions; assets located in foreign countries; residential structures; etc. They also differ from the nonresidential fixed investment data in type of detail, data sources, coverage, and timing. For further information, see the February 1985 *Survey of Current Business*]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987 [1]
CURRENT DOLLARS											
All industries [2]	**91.9**	**142.4**	**255.0**	**282.8**	**315.2**	**310.6**	**304.8**	**354.4**	**367.1**	**379.3**	**390.9**
Manufacturing	37.0	53.7	95.9	112.3	126.5	120.7	116.2	138.8	153.5	142.7	145.9
Durable goods [3]	19.8	25.4	48.5	55.4	59.8	55.4	53.1	66.2	73.3	69.1	70.9
Primary metals	3.2	5.4	8.1	8.8	7.4	6.9	6.0	7.1	7.8	7.2	8.5
Fabricated metals	1.2	2.0	3.2	3.3	3.6	3.1	2.8	3.4	3.6	4.0	3.9
Electrical machinery	3.5	3.1	7.5	9.8	10.8	11.0	11.4	14.6	15.5	14.1	15.6
Machinery, except electrical	3.8	4.9	10.2	11.4	13.7	13.4	13.5	15.4	16.0	13.6	13.1
Transportation equipment [3]	4.8	5.5	13.0	15.0	15.4	12.8	11.3	16.2	19.5	18.9	17.5
Motor vehicles	3.0	3.3	8.3	9.0	9.8	7.8	7.3	11.2	14.8	14.0	12.7
Aircraft	.9	1.2	2.7	3.8	3.4	3.4	2.9	3.6	3.5	3.8	3.7
Stone, clay, and glass	1.1	1.7	4.0	4.0	3.4	2.9	2.8	3.1	3.4	3.1	3.4
Nondurable goods [3]	17.2	28.3	47.4	57.0	66.7	65.3	63.1	72.8	80.2	73.6	75.0
Food and beverage	3.3	4.4	7.3	8.2	9.5	8.7	7.6	8.8	10.3	10.8	11.3
Paper	1.7	2.9	5.2	6.5	6.1	5.6	5.9	7.2	8.6	8.8	8.5
Chemicals	3.4	7.1	9.8	11.6	13.1	12.7	13.0	15.3	16.4	16.7	16.6
Petroleum	5.2	9.1	15.2	19.8	26.0	26.4	23.1	25.5	28.7	18.1	17.3
Rubber	.9	1.2	2.5	2.0	2.2	2.2	2.5	3.1	3.9	3.9	3.5
Nonmanufacturing [3]	54.9	88.8	159.0	170.5	188.7	189.9	188.6	215.6	233.7	236.5	245.0
Mining	2.0	6.1	12.8	16.0	21.4	20.0	15.2	16.9	15.9	11.2	10.5
Public utilities	13.0	20.2	35.8	37.7	41.2	45.4	45.0	47.5	48.8	48.4	45.6
Transportation	7.2	9.9	18.0	16.6	15.8	14.6	14.0	16.5	18.0	18.8	19.4
Commercial and other	32.7	52.5	94.6	100.1	110.2	109.6	114.5	134.8	150.9	160.1	169.5
Wholesale and retail trade	8.6	14.6	28.7	28.4	30.2	30.4	37.0	44.9	50.8	55.4	(NA)
Finance and insurance	3.9	10.0	17.5	21.2	26.0	27.2	28.4	33.9	39.4	43.6	(NA)
Personal and business serv. [4]	9.8	14.8	25.8	25.6	27.2	25.9	25.0	28.7	28.7	28.2	(NA)
Communication	10.4	12.9	22.5	24.9	26.9	26.1	24.0	27.2	32.0	32.9	(NA)
Addenda: [5]											
Total nonfarm business [6]	106.1	162.6	284.9	314.5	349.3	347.5	343.3	399.0	431.9	427.0	441.6
Manufacturing	37.0	53.7	95.9	112.3	126.5	120.7	116.2	138.6	153.5	142.7	144.9
Nonmanufacturing	69.2	108.9	189.0	202.1	222.7	226.8	227.1	260.2	278.5	284.3	296.7
Surveyed quarterly	54.9	88.8	159.0	170.5	188.7	189.9	188.6	215.6	233.7	236.5	245.9
Surveyed annually [7]	14.2	20.2	30.0	31.7	34.0	36.9	38.6	44.6	44.6	47.8	50.8
CONSTANT (1982) DOLLARS [8]											
All industries [2]	**229.9**	**246.1**	**327.1**	**332.7**	**337.1**	**310.6**	**307.0**	**355.4**	**366.3**	**374.2**	**384.6**
Manufacturing	97.2	97.7	125.5	133.9	136.1	120.7	119.7	143.8	158.1	144.9	147.6
Durable goods [3]	48.5	43.6	62.0	64.4	63.8	55.4	53.0	65.8	72.7	68.7	70.3
Primary metals	8.3	9.8	7.8	7.9	7.9	6.9	6.0	7.0	7.5	6.9	(NA)
Fabricated metals	3.0	3.4	4.1	3.9	3.8	3.1	2.8	3.4	3.5	3.9	(NA)
Electrical machinery	8.0	5.0	9.5	11.3	11.3	11.0	11.3	14.3	15.2	13.9	(NA)
Machinery, except electrical	9.1	8.2	12.8	13.1	14.4	13.4	13.5	15.4	16.1	13.8	(NA)
Transportation equipment [3]	11.6	9.8	18.9	17.8	16.5	12.8	11.5	16.4	19.7	19.1	(NA)
Motor vehicles	7.5	5.9	12.1	10.5	10.4	7.8	7.3	11.1	14.5	13.8	(NA)
Aircraft	2.2	2.1	3.5	4.2	3.6	3.4	3.1	3.8	3.7	4.1	(NA)
Stone, clay, and glass	2.7	2.9	5.2	4.7	3.8	2.9	2.8	3.0	3.3	3.0	(NA)
Nondurable goods [3]	48.7	53.9	63.5	69.5	72.5	65.3	66.6	77.8	85.3	76.3	77.3
Food and beverage	8.2	7.5	9.3	9.5	10.1	8.7	7.7	8.6	10.0	10.1	(NA)
Paper	4.5	5.1	6.8	7.7	6.5	5.6	5.8	7.0	8.2	8.4	(NA)
Chemicals	8.8	12.5	12.7	13.7	14.0	12.7	13.1	15.4	16.5	16.7	(NA)
Petroleum	18.4	20.6	22.3	25.9	29.2	26.4	26.8	31.4	32.9	22.1	(NA)
Rubber	2.3	2.1	3.1	2.4	2.3	2.2	2.4	3.0	3.7	3.8	(NA)
Nonmanufacturing [3]	132.7	148.4	201.6	198.8	201.0	189.9	187.4	211.8	228.3	229.2	237.0
Mining	7.0	13.7	18.7	21.2	24.1	20.0	17.3	20.2	18.9	12.9	11.9
Public utilities	34.8	34.2	45.8	43.7	43.5	45.4	43.7	45.3	46.2	43.6	42.5
Transportation	18.4	17.3	20.6	19.2	16.8	14.6	13.8	15.7	16.9	17.4	17.8
Commercial and other	72.6	83.3	116.8	114.7	116.7	109.8	112.7	130.7	148.3	155.4	164.8
Wholesale and retail trade	20.0	24.3	35.8	32.3	31.6	30.4	36.3	43.1	48.1	51.8	(NA)
Finance and insurance	7.9	14.8	20.8	23.3	26.9	27.2	28.9	34.9	41.6	47.3	(NA)
Personal and business serv. [4]	23.4	25.2	32.8	29.5	28.8	25.9	24.7	27.8	27.8	27.0	(NA)
Communication	21.4	19.1	28.0	29.8	29.4	26.1	22.7	24.9	28.9	29.3	(NA)
Addenda: [5]											
Total nonfarm business [6]	281.3	277.8	363.6	368.3	372.8	347.5	345.5	399.6	431.2	422.6	432.5
Manufacturing	97.2	97.7	125.5	133.9	136.1	120.7	119.7	143.8	158.1	145.0	145.2
Nonmanufacturing	164.1	180.1	238.2	234.4	236.7	226.8	225.6	256.1	273.1	277.6	287.3
Surveyed quarterly	132.7	148.4	201.6	198.8	201.0	189.9	187.4	211.8	228.3	229.3	235.8
Surveyed annually [7]	31.4	31.7	36.8	35.7	35.7	36.9	38.5	44.2	44.8	48.3	51.5

NA Not available.
[1] Estimates based on planned capital expenditures as reported by business in April and May 1987.
[2] Surveyed quarterly. [3] Includes industries not shown separately. [4] Includes construction.
[5] Quarterly estimates for selected nonmanufacturing industries were discontinued effective with the April–May 1984 survey. Annual estimates for these industries are based on capital expenditures reported by business in January through March each year
[6] "All industries" plus the part of nonmanufacturing that is surveyed annually.
[7] Consists of real estate; professional services; membership organizations and social services; and forestry, fishery, and agricultural services.
[8] Procedures for preparing constant-dollar estimates are described in the February 1985 *Survey of Current Business*. To estimate real spending plans, BEA adjusts the survey results for assumed price changes.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly.

Digitized by Google

No. 854. Composite Indexes of Economic Cyclical Indicators: 1977 to 1986

[1986 figures are preliminary. See source for discussion of composite indexes. Minus sign (−) indicates decrease. **Leading indicators** are economic time series that tend to reach their cyclical high and low points earlier than the corresponding peaks and troughs in the overall economy. **Coincident indicators** are economic time series that tend to reach their cyclical high and low points about the same time as the corresponding peaks and troughs in the overall economy. **Lagging indicators** are economic time series that tend to reach their cyclical high and low points later than the corresponding peaks and troughs in the overall economy]

ITEM	Unit	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
LEADING INDICATORS											
Composite index [1]	1967 = 100	139.4	145.8	145.1	138.2	140.9	136.8	156.0	165.3	168.6	179.2
let business formation	1967 = 100	130.8	138.1	138.3	129.9	124.8	118.4	117.5	121.3	120.9	120.4
uilding permits [2]	1967 = 100	144.9	145.4	123.6	96.7	80.0	80.7	131.1	134.8	138.1	141.3
ommon stock prices, index [3]	1941–43 = 10	96.2	96.0	103.0	118.8	128.0	119.7	160.4	160.5	186.8	236.3
itial claims, unemployment insurance	1,000	368	338	379	480	446	578	426	366	383	370
hange in sensitive prices [4] [5]	Percent	.4	1.3	9	--	−.8	−.7	1.0	−.2	−.4	.1
hange in credit outstanding [6]	Percent	15.0	14.5	13.2	6.0	6.9	1.5	8.5	15.5	10.2	6.8
endor performance, slower deliveries	Percent	55	64	63	40	45	37	54	61	45	52
verage workweek, manufacturing [7]	Hours	40.3	40.4	40.2	39.7	39.8	38.9	40.1	40.7	40.5	40.7
hange in inventories (1982 dol.) [5]	Bil. dol.	29	45	19	−15	2	−33	2	48	1	3
ant and equipment contracts and orders (1982 dol.)	Bil. dol.	326	381	408	362	352	308	318	382	400	400
ew orders, manufacturing, consumer goods and materials (1982 dol.)	Bil. dol.	967	1,022	1,003	891	888	806	897	963	951	966
oney supply (M2) [8] (1982 dol.)	Bil. dol.	1,965	1,982	1,929	1,835	1,819	1,873	2,042	2,113	2,227	2,361
COINCIDENT INDICATORS											
Composite index	1967 = 100	133.6	144.0	150.2	144.8	146.0	136.3	139.9	154.5	160.3	164.5
ustrial production index	1977 = 100	100.0	106.5	110.7	108.6	111.0	103.1	109.2	121.4	123.8	125.1
ployees, nonagricultural payrolls	Million	82.5	86.7	89.8	90.4	91.2	89.8	90.2	94.5	97.5	99.6
sonal income less transfer payments 1982 dol.)	Bil. dol.	2,070	2,191	2,253	2,233	2,275	2,261	2,301	2,456	2,527	2,602
es, mfg. and trade (1982 dol.)	Bil. dol.	4,088	4,327	4,455	4,341	4,358	4,183	4,363	4,732	4,881	5,051
LAGGING INDICATORS											
Composite index	1967 = 100	106.4	114.0	122.6	124.6	122.4	123.0	111.7	117.3	127.0	132.1
or cost per unit of output, mfg. [9]	Percent	99.0	98.0	96.9	102.0	102.9	104.7	95.2	88.6	85.4	81.1
o, consumer installment credit to rsonal income	Percent	12.8	13.4	13.9	13.2	12.1	11.9	12.2	13.3	14.7	15.9
rage prime rate charged by banks	Percent	6.8	9.1	12.7	15.3	18.9	14.9	10.8	12.0	9.9	8.3
rage duration of unemployment	Weeks	14.3	11.9	10.8	11.9	13.8	15.6	20.0	18.1	15.6	15.1
o inventories to sales, mfg. and trade 982 dol.)	Ratio	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.5
mercial and industrial loans outstanding 982 dol.) [10]	Bil. dol.	199	207	219	225	233	268	261	289	321	342

Represents zero. [1] Beginning with data for January 1984, net business formation has been suspended from this index. lew private housing units authorized. [3] Standard and Poor, 500 stocks. [4] Producer price index of selected crude and mediate materials and spot market price index of raw industrial materials. [5] Weighted 4-term moving average placed at the nal month of the span. [6] Business and consumer borrowing. [7] Production workers. [8] See table 800. [9] Actual as percent of trend. [10] Includes commercial paper issued by nonfinancial companies.

urce: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, monthly.

855. Business Cycle Expansions and Contractions—Months of Duration: 1919 to 1986

ne lower turning point of a cycle is considered a trough, the upper turning point a peak. Business cycle reference dates are determined by the National Bureau of Economic Research, Inc.]

BUSINESS CYCLE REFERENCE DATE		Contraction (trough from previous peak)	Expansion (trough to peak)	LENGTH OF CYCLE	
Trough	Peak			Trough from previous trough	Peak from previous peak
1919	January 1920	7	10	51	17
921	May 1923	18	22	28	40
924	October 1926	14	27	36	41
ber 1927	August 1929	13	21	40	34
1933	May 1937	43	50	64	93
938	February 1945	13	80	63	93
r 1945	November 1948	8	37	88	45
r 1949	July 1953	11	45	48	56
954	August 1957	10	39	55	49
958	April 1960	8	24	47	32
ry 1961	December 1969	10	106	34	116
ber 1970	November 1973	11	36	117	47
1975	January 1980	16	58	52	74
80	July 1981	6	12	64	18
ber 1982	(x)	16	(x)	28	(x)
, all cycles:					
-1945 (6 cycles)		18	35	53	53
-1982 (8 cycles)		11	45	56	55
, peacetime cycles:					
-1945 (5 cycles)		20	26	46	45
-1982 (6 cycles)		11	34	46	44

ot applicable.

e: U.S. Bureau of Economic Analysis, *Business Conditions Digest*, January 1987.

Digitized by Google

NO. 856. INTERNATIONAL ECONOMIC COMPOSITE INDEXES—AVERAGE ANNUAL PERCENT CHANGE: 1974 TO 1986

[The leading index changes are for years ending June 30 because they lead the coincident indexes by about six months, on average. The G-7 countries are United States, Canada, France, West Germany, Italy, United Kingdom and Japan. Average annual percent changes derived from indexes with base 1980 = 100. Minus sign (–) indicates decrease]

COUNTRIES	1974–1975	1975–1976	1976–1977	1977–1978	1978–1979	1979–1980	1980–1981	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986
LEADING INDEX												
Total, 9 countries	–9.6	5.8	5.4	2.8	5.7	1.7	–1.4	–1.1	.9	9.9	2.7	2.8
8 countries, excluding U.S	–10.2	2.6	4.6	.7	6.9	6.0	–2.9	.5	.1	6.0	4.6	2.9
G–7 countries	–9.5	5.6	5.5	2.8	5.7	1.6	–1.5	–1.1	.9	9.9	2.6	2.7
North America	–8.1	9.7	6.3	5.5	4.6	–3.5	.8	–3.7	1.6	15.3	.5	2.7
United States	–8.6	10.5	6.7	5.7	4.3	–4.1	.8	–3.4	1.9	15.6	.2	2.6
Canada	–2.9	1.9	1.8	2.9	8.9	3.3	1.1	–6.6	.9	11.3	3.7	3.7
4 European countries	–6.0	1.8	3.6	.2	4.3	2.9	–2.0	1.0	.9	4.1	2.6	2.7
France	–9.1	.3	3.0	–2.1	5.3	4.2	–1.5	2.2	–.5	3.4	2.8	2.9
West Germany	–5.1	5.1	3.4	2.0	5.6	2.9	–3.3	–.9	2.2	6.1	2.4	2.7
Italy	–3.4	–1.8	2.4	–2.0	3.9	4.3	3.2	–.6	–.9	2.2	2.6	5.6
United Kingdom	–5.4	1.5	5.2	2.0	1.8	.5	–4.3	3.4	2.0	3.4	2.4	.6
3 Pacific region countries	–19.2	4.5	7.2	11.3	11.6	12.4	–5.1	1.1	–1.4	6.3	6.1	2.9
Australia	–12.6	5.5	2.7	–.9	9.1	4.0	.5	–4.4	–2.8	9.2	7.2	5.5
China: Taiwan	1.4	11.2	7.1	11.2	11.8	4.9	5.7	5.0	8.1	11.6	6.5	8.2
Japan	–20.5	4.2	7.8	1.3	11.9	13.8	–6.2	1.7	–1.6	8.1	8.3	2.4
COINCIDENT INDEX												
Total, 9 countries	–4.5	4.7	4.5	5.5	4.4	.3	.4	–2.4	1.7	6.1	3.7	3.1
8 countries, excluding U.S	–2.8	3.4	3.2	3.9	5.1	2.6	.4	.3	1.1	3.7	3.9	3.4
G–7 countries	–4.6	4.7	4.6	5.5	4.4	.2	.2	–2.4	1.9	6.0	3.6	3.0
North America	–6.3	6.6	6.1	7.4	3.7	–2.4	.7	–6.1	2.6	9.5	3.4	2.7
United States	–7.1	6.7	6.4	7.7	3.5	–2.6	.5	–6.2	2.7	9.9	3.3	2.6
Canada	1.7	5.5	2.6	4.1	5.2	2.3	3.7	–4.7	2.0	5.7	5.1	3.8
4 European countries	–3.9	2.6	2.6	3.4	4.3	1.5	–1.9	–.4	.8	2.2	3.1	3.6
France	–5.8	4.0	2.6	1.8	2.5	1.3	–	2.8	2.1	.7	1.4	3.8
West Germany	–3.2	3.1	2.8	3.4	4.6	2.5	–.9	–2.5	–.4	2.5	3.7	4.5
Italy	–3.5	4.2	2.3	2.7	5.1	5.4	–1.4	–.4	–1.4	3.7	2.9	2.0
United Kingdom	–2.9	.3	2.3	5.8	5.1	–2.0	–5.9	–1.2	1.5	2.5	4.2	3.4
3 Pacific region countries	–1.6	4.0	4.4	4.7	6.5	4.5	3.6	2.4	1.7	5.6	5.1	3.0
Australia	–3.2	2.1	–1.1	1.6	3.7	4.9	5.9	–2.1	–7.0	9.2	7.8	5.3
China: Taiwan	4.3	18.0	10.6	13.8	10.0	7.5	5.6	2.7	7.1	12.2	4.1	9.4
Japan	–1.5	4.0	5.0	4.8	6.8	4.4	3.2	2.9	2.6	5.2	4.8	2.5

– Represents zero.

Source: Center for International Business Cycle Research, Columbia Business School, New York, NY, *International Economic Indicators*, monthly.

NO. 857. MANUFACTURING AND TRADE—SALES AND INVENTORIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1986

[In billions of dollars, except ratios]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS												
Sales, average monthly	107	182	230	261	298	328	357	349	369	409	419	426
Manufacturing	53	87	113	127	144	154	168	163	171	188	190	189
Retail trade	31	49	60	67	75	80	87	89	98	107	115	121
Merchant wholesalers	24	47	58	67	79	93	102	96	100	113	115	115
Inventories [1]	178	289	351	400	451	484	528	582	574	620	645	654
Manufacturing	102	160	199	211	241	264	283	317	307	326	331	322
Retail trade	44	72	89	103	111	116	127	133	139	157	172	186
Merchant wholesalers	32	57	73	86	99	113	118	130	127	136	143	147
Inventory-sales ratio [2]	1.62	1.52	1.45	1.44	1.44	1.41	1.52	1.67	1.56	1.52	1.54	1.54
Manufacturing	1.91	1.77	1.58	1.55	1.61	1.61	1.74	1.94	1.80	1.73	1.74	1.70
Retail trade	1.39	1.38	1.43	1.44	1.42	1.40	1.46	1.49	1.42	1.47	1.50	1.54
Merchant wholesalers	1.30	1.19	1.22	1.22	1.16	1.10	1.20	1.35	1.27	1.20	1.24	1.28
CONSTANT (1982) DOLLARS												
Sales, average monthly [3]	260	306	351	373	373	372	357	346	383	403	414	431
Manufacturing	131	149	174	183	179	175	167	159	178	186	189	193
Retail trade	70	83	93	97	96	93	91	94	102	108	113	120
Merchant wholesalers	60	74	84	93	96	104	99	93	102	109	112	119
Inventories	428	496	547	578	589	591	602	582	584	631	638	643
Manufacturing	248	282	302	314	325	327	330	315	309	330	322	317
Retail trade	97	116	131	139	137	130	136	133	142	156	168	175
Merchant wholesalers	83	99	114	125	128	134	136	134	133	143	148	152
Inventory-sales ratios [4]	1.64	1.62	1.56	1.55	1.58	1.59	1.68	1.68	1.53	1.58	1.54	1.49
Manufacturing	1.90	1.90	1.73	1.71	1.81	1.87	1.98	1.99	1.74	1.77	1.70	1.64
Retail trade	1.39	1.39	1.42	1.44	1.42	1.40	1.48	1.41	1.39	1.46	1.50	1.46
Merchant wholesalers	1.39	1.34	1.36	1.34	1.30	1.29	1.37	1.44	1.30	1.31	1.32	1.28

[1] Book value; seasonally adjusted end-of-year data. See text, section 17. [2] Average inventories to average sales. Average inventories based on weighted averages of end-of-month figures. [3] Average monthly sales for fourth quarter. [4] End of fourth quarter inventories to average monthly sales for fourth quarter.

Source: Current dollars from U.S. Bureau of the Census, *Current Business Reports*, "Manufacturing and Trade Inventories and Sales" February 1987 and unpublished data; constant dollars from U.S. Bureau of Economic Analysis, 1970 and 1975 unpublished data; 1976–82, *Survey of Current Business*, February issues; 1983, *Survey of Current Business*, September 1986; and 1984–86, *Survey of Current Business*, September 1987.

Digitized by Google

No. 858. Manufacturing Corporations, Assets, and Profits, by Asset Size: 1970 to 1986

[Corporations and assets as of **end of 4th quarter**; profit for **entire year**. Through 1979, corporations under $10 million based on sample; $10 million and over based on complete canvass, thereafter, under $25 million based on sample and $25 million and over based on complete canvass. For details regarding methodology, see source for first quarter, 1967]

Year and item	Unit	Total	Asset-size class						
			Under $10 mil.	$10–$25 mil.	$25–$50 mil.	$50–$100 mil.	$100–$250 mil.	$250 mil.–$1 bil.	$1 bil. and over
Corporations:									
1970 [1]	Number	197,807	[2] 195,000	1,202	533	366	289	218	102
1975	Number	(NA)	(NA)	1,750	705	450	392	276	151
1976	Number	(NA)	(NA)	1,705	757	472	400	301	162
1977	Number	(NA)	(NA)	1,793	809	501	409	327	174
1978	Number	(NA)	(NA)	1,780	802	518	408	320	181
1979	Number	(NA)	(NA)	1,918	979	571	470	341	225
1980	Number	(NA)	(NA)	1,777	941	590	491	369	244
1981	Number	(NA)	(NA)	(NA)	845	603	520	376	259
1982	Number	(NA)	(NA)	(NA)	820	642	510	378	275
1983	Number	(NA)	(NA)	872	863	683	559	403	275
1984	Number	(NA)	(NA)	799	872	703	601	420	287
1985	Number	(NA)	(NA)	863	896	744	608	428	281
1986	Number	(NA)	(NA)	914	962	741	628	445	291
Assets:									
1970	Mil. dol	578,234	69,101	20,471	20,138	25,946	47,783	112,475	282,320
1975	Mil. dol	1,010,910	98,147	31,307	24,720	31,395	62,524	139,113	423,705
1976	Mil. dol	863,860	98,355	32,244	26,538	32,970	62,633	149,412	481,709
1977	Mil. dol	962,996	102,241	35,603	28,595	35,032	63,590	160,107	537,830
1978	Mil. dol	1,086,433	114,006	38,358	30,813	37,429	66,907	164,958	633,963
1979	Mil. dol	1,242,985	124,853	42,007	34,082	40,336	73,172	169,599	758,937
1980	Mil. dol	1,384,474	126,639	43,569	34,930	41,863	75,284	179,959	882,129
1981	Mil. dol	1,560,353	136,915	57,453	39,756	43,924	82,284	186,813	1,011,105
1982	Mil. dol	1,614,016	141,363	55,327	38,333	48,013	78,766	180,047	1,072,169
1983	Mil. dol	1,704,951	149,791	54,506	41,766	52,673	87,391	194,212	1,124,612
1984	Mil. dol	1,853,457	156,671	59,549	49,419	53,517	94,315	206,698	1,233,288
1985	Mil. dol	1,932,766	153,883	64,324	52,669	58,019	96,748	208,403	1,298,720
1986	Mil. dol	2,022,158	[3] 140,778	70,269	50,892	62,411	102,849	221,704	1,373,255
Net profit: [4]									
1970	Mil. dol	28,572	2,812	811	836	1,101	2,315	5,862	14,832
1975	Mil. dol	49,135	6,212	1,831	1,327	1,676	3,553	8,165	26,370
1976	Mil. dol	64,519	7,799	2,238	1,714	2,070	3,945	10,422	36,330
1977	Mil. dol	70,366	8,683	2,189	1,867	2,252	4,401	11,206	39,769
1978	Mil. dol	81,185	9,417	2,487	2,264	2,602	4,712	12,311	47,391
1979	Mil. dol	98,698	10,119	2,720	2,347	2,898	5,347	13,412	61,854
1980	Mil. dol	92,443	7,770	2,235	1,904	2,479	4,532	11,485	62,041
1981	Mil. dol	101,302	8,863	3,077	1,944	2,415	4,560	10,067	70,354
1982	Mil. dol	71,028	5,193	2,278	1,196	1,421	2,643	8,892	51,405
1983	Mil. dol	85,834	7,438	2,893	2,149	2,466	3,861	6,134	60,893
1984	Mil. dol	107,648	10,037	3,417	2,527	2,877	4,864	9,278	74,648
1985	Mil. dol	87,647	8,601	2,551	2,305	2,819	3,628	7,312	60,431
1986	Mil. dol	83,122	[3] 6,659	2,988	2,129	2,514	3,884	7,572	57,376

NA Not available. [1] Source: U.S. Securities and Exchange Commission. [2] Data derived from U.S. Internal Revenue Service, *Statistics of Income*, annual. [3] 1986 data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category. [4] After taxes.

Source: Except as noted, through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

No. 859. Largest Industrial Corporations—Sales, Assets, Net Income, and Employees, by Sales Group Rank: 1984 to 1986

Sales, assets, and net income in billions of dollars; employees in thousands, except percent. Excludes large privately owned companies that do not publish sales. Includes service and rental revenues, but companies must derive more than 50 percent of revenues from manufacturing or mining for years ending not later than **Dec. 31** of **year stated**, sales exclude excise taxes collected by manufacturer and include discontinued operations]

Rank by sales group	Sales			Assets [1]			Net income [2]			Employees [3]		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Largest	1,758.7	1,807.1	1,723.6	1,409.4	1,519.4	1,560.8	86.9	69.6	64.1	14,195	14,065	13,362
1 to 100	1,223.0	1,264.1	1,193.7	985.5	1,066.6	1,114.7	63.0	53.5	48.0	8,792	8,789	8,529
101 to 200	262.5	265.5	262.4	210.7	224.8	219.6	12.4	7.0	8.4	2,488	2,465	2,302
201 to 300	139.8	140.7	131.9	110.1	114.0	107.1	6.1	4.9	3.6	1,449	1,390	1,233
301 to 400	81.1	83.6	82.2	65.3	72.9	75.5	3.2	2.5	2.4	892	866	792
401 to 500	52.3	53.2	53.5	37.6	39.9	43.9	2.2	1.7	1.7	573	525	512
Percent of total:												
1 to 100	69.5	69.9	69.2	69.9	70.3	71.4	72.4	76.9	74.9	61.9	62.5	63.8
101 to 200	14.9	14.7	15.2	14.9	14.8	14.1	14.2	10.1	13.1	17.5	17.5	17.3
201 to 300	7.9	7.8	7.6	7.8	7.5	6.9	6.9	7.0	5.6	10.2	9.8	9.2
301 to 400	4.6	4.6	4.8	4.6	4.8	4.8	3.6	3.6	3.7	6.3	6.3	5.9
401 to 500	3.0	2.9	3.1	2.6	2.5	2.8	2.4	2.4	2.7	4.0	3.8	3.8

[1] Total assets employed in business at end of fiscal year, less depreciation and depletion. [2] After taxes, special charges, and [3] As of year end, or yearly average.

Source: Time, Inc., New York, NY, *The Fortune Directories*. (Copyright.)

Digitized by Google

No. 860. 500 Largest Industrial Corporations—Selected Financial Items, by Industry: 1985 and 1986

[Data are medians and are ranked based on sales per employee for latest year shown. See headnote, table 859. Minus sign (–) indicates decrease. For definition of median, see Guide to Tabular Presentation]

Industry	Sales per employee ($1,000)		Changes in profits (percent)		Sales per dollar of stockholder's equity (dol.)		Return on stockholder's equity (percent)		Return on sales (percent)		Total return to investors [1] (percent)	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Total	**106.0**	**110.7**	**–4.1**	**(NA)**	**2.80**	**2.79**	**11.6**	**11.6**	**3.9**	**4.1**	**26.3**	**15.7**
Petroleum refining	486.3	405.9	–10.5	–45.7	3.49	2.93	9.9	5.8	2.7	2.4	26.2	12.3
Mining, crude-oil production	241.0	190.2	–19.8	30.7	1.86	1.85	11.0	7.7	4.8	3.8	10.7	8.5
Beverages	155.4	151.4	13.3	11.4	2.73	2.26	17.5	18.8	6.4	7.7	43.6	23.6
Food	155.2	167.3	4.6	14.2	5.73	5.42	15.0	15.8	3.0	2.8	54.4	20.4
Chemicals	124.1	164.4	–11.3	25.9	2.45	2.28	8.3	11.8	3.4	5.2	28.5	11.9
Soaps, cosmetics	123.6	163.0	–14.0	22.9	3.19	3.11	12.1	16.7	3.8	5.4	43.9	10.4
Metal manufacturing	128.7	134.3	–26.7	39.2	2.70	2.52	5.0	5.1	1.9	1.5	8.0	4.6
Paper, fiber, wood products	131.1	131.1	–5.6	19.4	2.38	2.30	8.3	11.8	3.8	4.9	24.6	16.2
Rubber, plastic products	98.9	94.2	–17.6	19.6	3.21	3.38	9.3	10.8	2.4	2.9	27.2	17.8
Glass, concrete, abrasives, gypsum	115.1	125.1	14.9	19.5	2.50	2.30	10.0	11.5	4.0	3.6	26.2	11.2
Pharmaceuticals	100.7	111.4	9.1	20.3	1.72	1.95	15.6	23.6	10.4	13.1	48.1	16.1
Publishing, printing	104.0	95.1	11.4	10.5	2.28	2.21	18.7	18.7	8.1	8.5	39.4	24.6
Shipbuilding, railroad and transportation equipment [2]	111.7	113.2	–25.6	–25.0	4.23	3.45	13.2	5.2	4.0	1.7	–6.1	17.0
Motor vehicles	97.5	105.5	–13.6	11.0	3.56	3.48	13.7	10.1	4.4	3.0	13.7	13.1
Metal products	87.5	94.9	.4	10.8	2.80	2.93	12.7	13.3	4.6	4.4	31.0	17.5
Industrial and farm equipment	86.8	92.1	–13.2	18.6	2.52	2.59	5.8	3.7	2.3	1.2	13.3	7.4
Musical instruments, toys, sporting goods	135.4	131.8	60.8	–97.6	5.33	2.52	31.7	.3	7.8	.1	25.7	15.7
Aerospace	88.2	88.7	6.3	–4.3	3.85	4.01	13.1	12.4	4.2	4.1	24.7	20.1
Measuring, scientific, photo. equip	77.2	84.7	11.2	4.7	2.02	1.98	13.1	10.3	5.1	4.7	19.3	13.2
Electronics, appliances	72.7	81.6	–4.1	6.1	2.63	2.77	10.1	9.8	4.2	3.4	17.4	14.2
Office equipment (incl. computers)	86.8	97.3	–6.2	25.6	2.01	1.94	11.0	10.8	4.3	5.5	14.1	14.2
Textiles, vinyl flooring	62.3	73.1	–19.9	33.1	3.42	3.24	5.6	8.1	1.8	3.0	34.6	17.2
Apparel	54.7	54.6	2.2	29.7	3.42	3.21	12.0	12.2	2.7	3.3	48.9	22.2

NA Not available. [1] Includes both price appreciation and dividend yield, i.e., to an investor in the company's stock [2] Excludes motor vehicles and aircraft.

Source: Time, Inc., New York, NY, *The Fortune Directories*. (Copyright.)

No. 861. Corporate Funds—Sources and Uses: 1970 to 1986

[In billions of dollars, except percent. Covers nonfarm nonfinancial corporate business. See text, section 17]

Source and use	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Sources, total	**102.2**	**158.4**	**352.6**	**347.6**	**382.5**	**327.6**	**431.3**	**503.4**	**483.1**	**486.8**
Internal	62.8	124.8	197.6	200.1	239.5	242.3	285.7	326.3	352.5	359.0
Domestic undistributed profits	7.6	36.4	71.5	53.7	50.2	11.8	22.2	31.5	17.9	6.1
IVA and CCA [1]	–1.6	–17.9	–57.2	–59.2	–38.0	–18.7	5.1	25.9	52.1	55.8
Capital consumption allowances	49.9	91.9	149.6	171.3	196.8	221.4	228.2	237.9	250.6	261.5
Foreign earnings [2]	8.9	14.4	33.7	34.4	28.5	28.1	30.2	31.0	31.9	35.5
External [3]	39.5	33.8	155.1	147.5	143.0	85.3	145.6	177.1	130.6	127.8
Percent of total	38.6	21.2	44.0	42.4	37.4	26.0	33.8	35.2	27.0	26.3
Credit market funds	34.2	27.1	87.8	94.3	93.7	80.6	87.6	116.4	82.1	97.2
Securities and mortgages	26.3	38.5	21.0	53.1	22.8	44.0	57.3	–10.0	15.3	26.6
Equity issues	5.7	9.9	–7.8	12.9	–11.5	11.4	26.3	–77.0	–81.6	–80.8
Bonds and mortgages [4]	20.6	28.6	28.8	40.3	34.2	32.6	29.0	67.0	96.9	107.3
Loans and short-term paper	7.9	–11.5	66.9	41.2	70.9	36.6	30.3	126.5	66.8	70.6
Other	5.3	6.5	87.3	53.2	49.3	4.7	58.0	60.7	48.5	30.6
Profit taxes payable	–3.7	–2.4	2.5	–1.7	–6.8	–14.1	5.8	.7	–1.8	1.0
Trade debt	7.5	6.3	52.9	39.8	30.8	5.0	40.8	34.4	33.0	4.2
Foreign direct investments in U.S.	1.5	2.6	11.8	15.3	25.3	13.8	11.5	25.6	17.2	25.3
Uses, total	**98.0**	**153.4**	**362.8**	**343.2**	**349.2**	**292.0**	**399.1**	**469.1**	**438.5**	**437.2**
Capital expenditures	79.3	112.2	238.3	244.1	266.3	256.3	274.8	371.2	353.1	352.3
Increase in financial assets	18.7	41.2	124.5	99.1	82.8	35.7	124.3	97.9	85.4	84.9
Discrepancy (sources less uses)	4.2	5.0	–10.1	4.4	33.3	35.6	32.2	34.3	44.6	49.6

[1] Inventory valuation and capital consumption adjustment. [2] Foreign branch profits, dividends, and subsidiaries earnings retained abroad. [3] Net increases in liability. [4] Includes industrial pollution control revenue bonds, issued by State and local governments.

Source: Board of Governors of the Federal Reserve System. Data derived from *Flow of Funds Accounts*, annual.

Digitized by Google

No. 862. Corporate Profits, Taxes, and Dividends: 1970 to 1986

[**In billions of dollars.** Covers corporations organized for profit. Represents profits to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses; intercorporate dividends from profits of domestic corporations are eliminated; net receipts of dividends, reinvested earnings of incorporated foreign affiliates, and earnings of unincorporated foreign affiliates are added]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Profits before taxes	78.0	134.8	200.4	233.5	257.2	237.1	226.5	169.6	207.6	240.0	224.8	231.9
Less: Income tax liability [1]	34.4	50.9	73.0	83.5	88.0	84.8	81.1	83.1	77.2	93.9	96.7	105.0
Equals: Profits after taxes	41.7	83.9	127.4	150.0	169.2	152.3	145.4	106.5	130.4	146.1	128.1	126.8
Less: Net dividends [2]	22.5	29.8	39.5	44.7	50.1	54.7	63.6	66.9	71.5	79.0	81.3	86.8
Equals: Undistributed profits	19.2	54.3	87.9	105.2	119.1	97.6	81.8	39.6	58.9	67.0	46.8	40.0
Capital consumption allowances [3]	57.2	90.2	111.5	126.3	144.3	184.6	196.3	225.8	259.7	287.2	322.7	328.8
Profits after tax plus capital consumption allowances [3]	98.9	174.1	238.9	276.3	313.5	316.9	341.7	332.3	390.1	433.3	450.8	455.7

[1] Federal, State and local. [2] Disbursements to U.S. residents, measured after eliminations of intercorporate dividends. [3] Without capital consumption adjustment. Includes depreciation and accidental damages.

No. 863. Corporate Profits—Financial and Nonfinancial Industries: 1970 to 1986

[**In billions of dollars.** Minus sign (-) indicates loss. See headnote, table 862]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Corporate profits with IVA [1] and CCA [2]	**74.7**	**117.9**	**174.8**	**197.2**	**200.1**	**177.2**	**188.0**	**150.0**	**213.7**	**266.9**	**277.6**	**284.4**
Domestic industries	67.8	103.2	156.5	175.0	166.4	142.8	159.4	121.9	183.6	236.0	247.1	253.2
Financial	12.3	11.6	21.6	29.1	27.3	19.7	15.2	10.1	18.0	13.6	19.4	27.5
Nonfinancial	55.4	91.6	134.9	146.0	139.1	123.1	144.2	111.9	165.6	222.4	227.7	225.8
Rest of the world	6.9	14.4	18.3	22.2	33.7	34.4	28.5	28.0	30.2	30.9	30.5	31.2
Corporate profits with IVA [1]	69.5	123.9	183.8	208.2	214.1	194.0	202.3	159.2	196.7	234.2	224.1	238.4
Domestic industries	62.6	109.5	165.5	186.0	180.4	159.6	173.8	131.2	166.6	203.3	193.6	207.2
Financial	12.2	11.2	21.6	29.1	27.6	21.0	16.5	11.6	18.1	13.0	18.4	28.1
Federal Reserve banks	3.6	5.7	6.2	7.7	9.8	11.9	14.5	15.4	14.8	16.7	16.8	16.0
Other	8.6	5.5	15.4	21.4	18.2	9.0	1.9	−3.8	3.3	−3.7	1.6	10.1
Nonfinancial	50.4	98.3	143.9	156.8	152.8	138.6	157.3	119.4	148.5	190.3	175.2	181.1
Manufacturing	26.7	53.6	80.6	88.7	87.5	77.1	86.5	58.0	70.1	88.8	72.2	69.4
Durable goods [3]	10.2	19.8	38.6	44.6	37.3	21.3	21.0	2.1	17.2	38.1	29.2	31.1
Primary metal industries	.8	2.7	3.3	3.5	3.6	2.5	3.1	−4.9	−4.9	−.6	−2.5	−1.8
Fabricated metal products	1.1	3.1	4.4	4.9	5.2	4.3	4.4	2.4	3.0	4.7	4.0	4.1
Machinery, except electrical	3.0	4.8	8.9	9.6	9.1	7.7	8.6	4.1	3.1	6.2	4.2	3.9
Electrical and electronic equipment	1.2	2.4	5.8	6.7	5.2	4.7	4.1	1.7	3.7	5.5	4.5	4.3
Motor vehicles and equipment	1.2	2.0	9.4	8.9	4.7	−2.5	.1	−.8	5.1	9.0	6.5	5.9
Nondurable goods [3]	16.5	33.8	42.0	44.0	50.2	55.8	67.5	55.9	53.0	50.7	43.0	38.4
Food and kindred products	3.2	8.8	6.9	6.2	5.8	6.1	8.7	7.0	7.2	6.7	7.0	8.7
Chemicals and allied products	3.9	8.4	7.8	8.2	7.2	5.4	8.2	5.2	6.7	8.0	4.2	6.7
Petroleum and coal products	3.5	9.5	12.9	14.7	22.5	31.4	38.5	29.1	21.4	17.2	13.7	5.4
Transportation and public utilities	8.2	10.3	17.9	20.9	15.2	17.8	19.5	19.3	28.5	38.5	37.5	42.4
Wholesale and retail trade	9.6	22.2	27.5	27.3	28.7	21.6	32.5	34.8	38.9	51.2	51.4	52.1
Other	5.9	12.2	17.8	20.0	21.1	22.4	16.8	7.5	10.9	11.8	14.1	17.2

[1] Inventory valuation adjustments. [2] Capital consumption adjustment. [3] Includes other industries not shown separately.

No. 864. Corporate Profits, by Industry: 1980 to 1986

[**In billions of dollars.** Profits are without inventory valuation and capital consumption adjustments. Minus sign (−) indicates loss. See headnote, table 862]

INDUSTRY	BEFORE TAXES						AFTER TAXES					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Domestic industries, total	**202.7**	**141.5**	**177.5**	**209.0**	**194.3**	**200.7**	**117.9**	**78.5**	**100.2**	**115.1**	**97.6**	**95.6**
Agriculture [1]	.6	−.1	−.2	.1	.1	.1	.2	−.2	−.4	−.2	−.3	−.3
Mining	6.5	−2.1	−1.6	−1.6	−1.4	−2.0	4.7	−2.7	−2.1	−2.4	−2.4	−3.1
Construction	6.5	3.1	3.4	4.3	3.9	4.6	4.4	1.8	2.1	3.0	2.9	3.2
Manufacturing	96.3	62.5	74.1	92.1	72.8	67.3	57.1	37.1	42.6	53.7	39.4	30.4
Transportation	3.7	.1	4.5	6.7	6.8	6.6	2.1	−.9	2.7	4.8	4.7	4.1
Communications	7.5	7.9	9.1	11.7	11.6	13.3	5.6	6.4	7.2	8.1	7.6	8.0
Public utilities	9.7	12.9	14.6	20.1	18.3	18.2	7.1	10.3	10.6	14.6	12.7	11.9
Wholesale and retail trade	39.0	37.7	45.0	52.7	52.1	52.6	26.8	27.6	31.8	37.3	35.7	35.2
Finance, insurance [2]	22.9	9.2	17.4	11.4	17.1	26.0	3.1	−8.7	−2.4	−11.4	−12.1	−4.0
Services	9.9	10.3	11.5	11.3	13.1	14.1	6.9	7.9	8.2	7.7	9.3	10.1
Rest of world [3]	34.4	28.0	30.2	30.9	30.5	31.2	34.4	28.0	30.2	30.9	30.5	31.2

[1] Includes forestry and fisheries. [2] Includes real estate. [3] Consists of receipts by all U.S. residents, including both corporations and persons, of earnings of unincorporated foreign affiliates, dividends from their incorporated foreign affiliates, and their share of reinvested earnings of their incorporated foreign affiliates, net of corresponding outflows.

Source of tables 862–864: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

Digitized by Google

NO. 865. MANUFACTURING CORPORATIONS—SALES, PROFITS, STOCKHOLDERS' EQUITY, AND DEBT: 1960 TO 1986

[**In billions of dollars.** Prior to 1970, excludes newspapers. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. See also *Historical Statistics, Colonial Times to 1970*, series P 93–106]

YEAR	ALL MANUFACTURING CORPS.					DURABLE GOODS INDUSTRIES					NONDURABLE GOODS INDUSTRIES				
	Sales (net)	Profits		Stockholders' equity [1]	Debt [1]	Sales (net)	Profits		Stockholders' equity [1]	Debt [1]	Sales (net)	Profits		Stockholders' equity [1]	Debt [1]
		Before taxes	After taxes				Before taxes	After taxes				Before taxes	After taxes		
1960	346	28	15	165	41	174	14	7	82	21	172	14	8	83	20
1965	492	47	28	212	58	257	26	15	105	28	235	20	13	106	30
1970	709	48	29	307	134	363	23	13	155	71	346	25	16	152	63
1972	850	63	37	343	149	436	34	18	171	77	414	30	18	172	72
1973	1,017	81	48	374	164	527	44	25	189	86	490	38	23	185	78
1974	1,061	92	59	395	167	529	41	25	196	87	532	51	34	199	80
1975	1,065	80	49	423	183	521	35	21	208	94	544	45	28	215	89
1976	1,203	105	65	463	188	590	51	31	224	91	614	54	34	238	97
1977	1,328	115	70	497	200	657	58	35	240	95	671	57	36	257	106
1978	1,496	133	81	541	222	761	70	42	263	106	736	63	39	278	117
1979	1,742	154	99	600	252	866	72	45	292	123	876	82	54	308	129
1980	1,897	145	92	665	292	883	57	36	318	143	1,014	88	57	349	149
1981	2,145	159	101	743	335	979	67	42	350	159	1,165	91	60	393	176
1982	2,039	108	71	770	371	913	35	22	356	177	1,126	74	49	415	193
1983	2,114	133	86	813	368	973	49	30	372	168	1,141	84	56	440	200
1984	2,335	166	108	864	405	1,108	76	49	396	186	1,228	90	59	469	219
1985	2,331	137	88	866	454	1,143	61	39	421	197	1,189	76	49	445	257
1986 [2]	2,221	129	83	875	501	1,126	52	33	436	203	1,096	78	51	438	298

[1] Annual data are average equity or debt for the year (using four end-of-quarter figures). [2] 1986 data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category.

Source: Through 1981, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

NO. 866. CORPORATE PROFITS, STOCKHOLDERS' EQUITY, SALES, AND DEBT RATIOS, BY INDUSTRY GROUP: 1980 TO 1986

[Averages of quarterly figures at annual rates. Based on sample; see source for discussion of methodology. Minus sign (−) indicates loss. See headnote, table 865]

INDUSTRY GROUP	RATIO OF PROFITS TO STOCKHOLDERS' EQUITY (percent)				PROFITS PER DOLLAR OF SALES (cents)				RATIO OF STOCKHOLDERS' EQUITY TO DEBT			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
All manufacturing corporations [1]	**13.9**	**12.5**	**10.1**	**9.5**	**4.9**	**4.6**	**3.8**	**3.8**	**2.3**	**2.1**	**1.9**	**1.8**
Durable goods industries	**11.2**	**12.4**	**9.2**	**7.5**	**4.0**	**4.4**	**3.4**	**2.9**	**2.2**	**2.4**	**2.3**	**2.2**
Stone, clay, and glass products	10.8	9.4	7.9	10.5	4.2	3.8	3.1	3.9	1.9	1.7	1.7	1.5
Primary metal industries	11.7	−1.5	−7.9	−10.0	4.1	−.6	−2.6	−3.0	1.7	1.2	1.2	1.1
Iron and steel	9.0	−2.7	−11.0	−38.5	2.9	−.8	−2.6	−7.3	1.7	1.0	.8	.7
Nonferrous metals	15.6	−.5	−5.7	4.3	5.8	−.3	−2.5	2.0	1.8	1.5	1.6	1.6
Fabricated metal products	13.9	12.9	9.2	8.7	4.2	3.9	2.8	2.8	2.1	1.8	1.6	1.8
Machinery, exc. electrical	15.0	11.8	9.3	6.0	6.5	5.8	4.7	3.3	2.2	2.6	2.6	2.5
Electrical and electronic equipment	15.1	11.7	6.3	8.9	5.0	4.4	3.4	3.9	2.6	2.9	2.7	2.5
Transportation equipment	−.8	20.4	15.4	12.4	−.3	5.2	4.1	3.6	2.7	3.3	2.9	2.7
Motor vehicles and equipment	−9.3	24.8	18.2	14.4	−3.4	6.1	4.9	4.2	3.4	4.0	4.2	3.2
Aircraft, guided missiles and parts	16.0	14.1	11.1	9.4	4.3	4.1	3.1	2.9	2.8	3.7	2.6	2.8
Instruments and related products	17.5	12.5	10.1	3.1	9.3	7.0	5.7	1.8	4.3	4.1	3.5	3.0
Nondurable goods industries	**16.4**	**12.6**	**11.5**	**11.5**	**5.6**	**4.8**	**4.1**	**4.6**	**2.3**	**2.0**	**1.7**	**1.5**
Food and kindred products	14.7	13.3	[2] 15.3	[2] 18.2	3.4	3.3	[2] 4.1	[2] 4.2	1.9	1.5	[2] 1.4	[2] 1.1
Tobacco manufactures	19.8	20.4	(3)	(3)	11.7	12.0	(3)	(3)	1.8	2.3	(3)	(3)
Textile mill products	8.5	11.2	8.6	13.1	2.2	3.2	2.4	3.7	2.0	1.8	1.5	1.5
Paper and allied products	12.1	10.7	9.7	10.7	5.1	4.2	4.0	4.4	2.0	1.7	1.7	1.5
Printing and publishing	18.4	18.2	19.2	18.8	5.5	6.0	6.5	6.7	2.1	2.0	1.7	1.6
Chemicals and allied products	15.4	14.0	9.4	12.9	7.1	6.6	4.7	6.2	2.2	2.3	2.1	1.7
Industrial	11.9	11.6	4.2	12.5	5.4	5.4	2.2	6.0	1.9	2.1	1.8	1.5
Drugs	19.9	20.2	15.2	23.0	13.2	13.3	9.8	14.6	3.0	3.0	3.2	2.5
Petroleum and coal products	20.0	10.0	8.5	8.1	7.7	5.1	4.0	3.8	3.4	2.0	1.6	1.5
Rubber and misc. plastics products	6.7	13.8	9.5	11.9	2.0	3.8	2.6	3.4	1.8	2.0	1.6	1.5
Mining corporations, total [2]	**19.2**	**4.0**	**−4.0**	**−16.6**	**11.3**	**3.0**	**−3.2**	**−14.4**	**1.3**	**1.0**	**1.0**	**1.0**
Retail trade corporations, total [2]	**13.2**	**14.6**	**12.5**	**12.3**	**1.7**	**2.6**	**2.2**	**2.3**	**1.2**	**1.5**	**1.4**	**1.3**
Wholesale trade corporations, total [2]	**17.3**	**9.9**	**8.7**	**8.4**	**1.8**	**1.2**	**1.0**	**1.1**	**1.2**	**1.0**	**1.0**	**1.0**

[1] Includes other industries not shown separately. [2] Beginning 1985, tobacco included in food and kindred products. [3] Beginning 1984, represents results of companies with assets over $25 million.

Source: 1960, U.S. Federal Trade Commission, thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. In U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

Digitized by Google

No. 867. U.S. Largest Public Companies—Return on Equity, Debt Equity Ratio, Sales, and Earnings per Share—by Industry: 1982 to 1986

[For year ending in **September**. Included in the Forbes Universe of 1,000 companies is every firm with revenue of over $475 million in 1986. Represents industry medians; calculated by listing companies in rank order and selecting the midpoint. Where there is an even number of companies, an arithmetic average of the two middle companies is substituted]

INDUSTRY	PROFITABILITY					GROWTH				
	Return on equity [1]		1986			Sales [4]			Earnings per share	
	5-year rank	1982–86 average (percent)	1986 (percent)	Debt/equity ratio [2]	Net profit margin [3] (percent)	5-year rank	1982–86 average (percent)	1986 (percent)	5-year rank	1982–86 average (percent)	1986 (percent)
All-industry medians	(x)	**12.6**	**13.0**	**46.0**	**3.9**	(x)	**7.1**	**3.9**	(x)	−.9	**2.8**
Beverage and tobacco	1	21.9	16.2	33.8	6.5	12	7.6	11.0	5	9.2	10.4
Health	2	19.3	15.6	31.3	8.3	11	8.3	13.6	3	10.5	10.5
Communications media	3	19.1	20.9	46.0	7.3	4	11.5	12.0	1	15.6	9.0
Food distributors	4	17.0	13.0	62.0	1.2	9	9.5	8.6	4	9.6	1.2
Electrical equipment	5	18.7	16.7	13.9	6.3	21	5.2	7.3	8	7.1	9.8
Financial services	6	16.5	13.9	120.3	3.9	1	15.6	9.2	16	−.9	8.9
Retailing	6	16.5	13.0	52.4	2.7	3	12.6	8.8	2	11.8	7.5
Industrial, office services	8	15.3	14.5	24.5	4.0	12	7.6	14.2	6	8.8	5.2
Food processors	9	15.1	14.6	51.3	3.1	20	5.3	6.0	8	7.1	12.9
Banks and thrifts	10	15.0	15.5	41.9	7.8	2	13.7	5.4	7	7.6	12.0
Aerospace and defense	11	14.9	12.3	28.1	3.9	23	4.7	5.4	14	.6	−7.9
Electric utilities	12	14.3	14.5	93.5	13.1	10	6.4	−.6	10	6.6	2.8
Telecommunications	12	14.3	13.3	63.0	6.8	5	11.4	3.6	20	−3.0	3.0
Natural gas	14	14.0	11.3	81.9	4.8	14	7.5	−6.5	11	5.2	−8.5
Consumer products	15	12.7	13.8	41.7	4.4	26	3.9	7.4	17	−1.7	9.3
Insurance	16	12.6	14.6	17.2	5.8	6	11.1	16.3	12	3.4	48.2
Leisure and recreation	17	12.5	13.4	82.2	5.2	21	5.2	21.6	26	−10.9	7.7
Computers and electronics	18	12.2	6.3	20.5	3.0	7	10.9	1.8	22	−4.2	−35.3
Packaging	19	11.9	13.1	44.5	3.8	16	6.2	6.0	13	1.3	9.6
Surface transportation	19	11.9	10.4	81.2	3.1	15	7.2	2.9	14	.6	−10.4
Chemicals	21	11.8	10.9	42.7	4.3	28	1.5	1.1	25	−10.2	1.1
Conglomerates	21	11.8	9.0	80.1	2.9	27	2.3	−2.3	19	−2.2	−20.1
Automotive	23	11.5	10.1	36.7	2.9	17	6.5	3.0	21	−3.6	−29.9
Apparel, shoes and textiles	24	11.3	6.7	35.5	2.8	19	5.5	−2.1	18	−2.0	39.6
Oil	25	10.9	(5)	63.1	(5)	29	.5	−15.4	28	−34.0	(NS)
Construction	26	10.5	8.6	40.2	3.1	24	4.6	2.6	24	−5.1	−8.3
Paper	27	10.4	10.4	63.5	4.6	16	7.1	3.9	22	−4.2	−.7
Coal	28	6.4	11.3	75.5	3.8	25	4.5	2.4	29	(NS)	−13.5
Air transport	29	6.1	2.3	83.6	.7	6	9.8	2.7	29	(NS)	−93.2
Heavy equipment	30	5.7	6.7	42.6	2.2	30	−2.9	1.0	27	−33.1	−37.6
Metals	31	(5)	(5)	50.7	(5)	31	−3.7	−3.0	29	(NS)	(NS)

NS Not significant. X Not applicable. [1] Represents net income divided by common shareholders' equity. Common shareholders' equity is total shareholders' equity including the stated value of all preferred stock at the beginning of each year minus the involuntary liquidating value of non-convertible preferred shares. [2] Long-term debt, including capitalized leases, divided by total equity, including preferred equity. [3] Net income divided by net sales, including other operating income. [4] Net sales plus other operating revenue. [5] Deficit.

Source: Forbes, Inc., New York, NY, *Forbes Annual Report on American Industry*. (Copyright.)

No. 868. Small Business Administration Loans to All Small Businesses: 1970 to 1986

[**For fiscal year ending in year shown**; see text, section 9. A small business must be independently owned and operated, must not be dominant in its particular industry, and must meet standards set by the Small Business Administration as to its annual receipts or number of employees. Loans include both direct and guaranteed loans]

LOANS APPROVED	Unit	1970–1986	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
ns, all businesses	1,000	24.7	31.8	31.7	30.2	31.7	28.7	15.4	19.2	21.3	19.3	16.8
ority-owned businesses	1,000	5.4	6.2	6.1	5.5	6.0	5.2	2.5	2.7	3.1	2.8	2.0
cent of all businesses	Percent	22	19	19	18	19	18	16	14	15	14	12
ue of total loans	Mil. dol.	2,602	3,049	3,314	3,407	3,858	3,668	2,038	3,007	3,450	3,217	3,013
ns to minority-operated sinesses	Mil. dol.	315	352	402	428	470	454	238	295	383	324	265
cent of all loans	Percent	12	12	12	13	12	12	12	10	11	11	10

Source: U.S. Small Business Administration, unpublished data.

Digitized by Google

No. 869. U.S. Parent Companies and Their Foreign Affiliates—Assets, Sales, Employment, Employee Compensation, U.S. Exports and Imports: 1985

[In millions of dollars, except as indicated]

Industry [1]	U.S. parents				Foreign affiliates						
	Total assets	Sales	Employment (1,000)	Employee compensation	Total assets	Sales	Employment (1,000)	Employee compensation	U.S. exports shipped to foreign affiliates	U.S. imports shipped from foreign affiliates
All industries	**3,453,875**	**2,581,114**	**18,074.7**	**552,607**	**837,889**	**696,032**	**6,425.6**	**102,316**	**69,441**	**70,103**
Petroleum	544,625	440,675	1,009.7	39,619	183,389	261,037	334.9	9,811	2,470	15,256
Manufacturing	1,273,104	1,245,314	10,477.6	349,030	305,131	388,175	4,355.2	66,315	49,531	48,366
Food and kindred products	117,590	148,754	1,096.6	26,048	23,358	37,165	400.6	4,654	1,258	776
Chemical and allied products	188,424	172,765	1,239.0	41,247	67,493	73,111	581.9	9,505	5,505	2,904
Primary and fabricated metals	101,169	92,408	758.9	26,213	20,891	20,341	276.9	3,852	1,159	1,117
Machinery (except electrical)	163,266	141,204	1,412.9	50,367	48,660	60,423	583.3	11,338	7,699	5,516
Electric and electronic equipment	157,340	148,691	1,566.0	51,875	27,476	33,807	684.5	8,003	6,246	7,532
Transportation equipment	324,218	317,262	2,186.4	89,431	60,315	98,507	926.6	16,527	22,778	25,660
Other	221,076	224,208	2,217.2	63,851	56,938	64,822	899.2	12,437	4,885	4,861
Wholesale trade	53,579	167,265	355.1	7,337	66,346	131,126	464.4	9,400	16,083	4,832
Finance (except banking), insurance, real estate	1,013,383	256,401	904.6	31,295	208,269	31,777	140.5	2,953	17	-
Services	76,832	65,985	1,177.0	23,072	20,846	19,613	308.4	5,364	222	24
Other industries	492,353	405,274	4,150.7	102,054	51,907	66,302	822.3	6,472	1,118	1,625

- Represents zero. [1] Represents industry of U.S. parent or industry of foreign affiliate.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987.

No. 870. Corporate Philanthropy as a Percent of Pretax Net Income: 1983 to 1985

[Data are based on a sample of 1,200 corporations. Corporation must have given at least $100,000]

Industry class	1983	1984	1985	Industry class	1983	1984	1985
All firms, average	**.83**	**.93**	**.99**	**Manufacturing firms, average**—Con.			
Manufacturing firms, average	**.86**	**.90**	**1.05**	Pharmaceuticals	1.16	1.30	1.23
Chemicals	1.29	1.03	1.31	Primary metal industries	2.84	1.24	.56
Electrical machinery and equipment	.94	.90	1.33	Printing and publishing	1.10	1.19	1.22
Fabricated metal products	.28	1.26	.94	Rubber, misc. plastic products	.66	.80	1.25
Food, beverage and tobacco	.89	1.10	1.10	Stone, clay and glass products	1.45	1.04	1.89
Machinery, nonelectrical	1.09	.95	1.39	Textiles	1.29	2.89	4.97
Mining	.49	.88	1.69	Transportation equipment	.73	.88	.99
Paper and like products	1.66	1.15	1.23	**Nonmanufacturing firms, average**	**.76**	**1.01**	**.86**
Petroleum and gas	.64	.70	.76				

Source: Platzer, Linda Cardillo, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright.)

No. 871. Patents and Trademarks: 1961 to 1986

[In thousands. Calendar year data. Covers patents issued to citizens of the United States and residents of foreign countries. For information on copyrights, see table 895. See also *Historical Statistics, Colonial Times to 1970*, series W 96–108]

Item	1961–1970	1971–1980	1978	1979	1980	1981	1982	1983	1984	1985	1986
Patent applications filed	**967.8**	**1,091.5**	**109.3**	**108.9**	**113.0**	**114.5**	**116.4**	**112.4**	**120.6**	**127.1**	**133.0**
Inventions	912.3	1,019.4	100.9	100.5	104.3	106.4	109.6	103.7	111.3	117.0	122.4
Designs	51.6	65.6	7.5	7.5	7.8	7.4	6.2	6.1	6.7	9.6	9.9
Botanical plants	1.2	1.7	.2	.2	.2	.2	.2	.3	.3	.2	.3
Reissues	2.7	4.6	.7	.6	.5	.4	.3	.3	.3	.3	.3
Patents issued	**618.2**	**731.6**	**70.5**	**52.4**	**66.2**	**71.0**	**63.3**	**62.2**	**72.7**	**77.2**	**77.0**
Inventions	585.1	687.6	66.1	48.9	61.8	65.6	57.9	56.9	67.2	71.7	70.9
Individuals	143.3	152.0	14.3	9.3	13.3	14.1	11.9	10.5	12.3	12.9	13.3
Corporations: U.S	343.1	343.3	31.3	23.6	29.4	29.5	25.8	25.7	30.1	31.3	29.8
Foreign [1]	63.6	176.4	19.3	14.6	18.2	21.0	19.2	19.6	23.6	26.4	27.0
U.S. Government	14.9	16.1	1.2	.9	1.0	1.1	1.0	1.0	1.2	1.1	1.0
Designs	30.2	38.1	3.9	3.1	3.9	4.7	4.9	4.6	4.9	5.1	5.5
Botanical plants	1.0	1.6	.2	.1	.1	.2	.2	.2	.2	.2	.2
Reissues	2.1	3.4	.4	.3	.3	.4	.3	.4	.3	.3	.3
Published applications [2]	.6	1.3	.1	.1	(Z)	.1	(Z)	(Z)	(Z)	(Z)	.2
Foreign country residents [3]	124.3	237.3	25.1	18.2	24.7	26.5	24.0	25.4	30.5	33.9	34.9
Certificates of trademarks issued	**235.1**	**309.0**	**35.1**	**25.9**	**24.7**	**48.6**	**48.4**	**46.8**	**54.0**	**71.7**	**54.5**
Trademarks	196.1	250.6	29.6	20.5	18.9	42.7	42.4	40.5	48.6	65.8	49.4
Trademark renewals	39.0	58.4	5.5	5.4	5.9	5.9	6.0	6.2	5.4	5.9	5.1

Z Less than 50. [1] Includes patents to foreign governments. [2] Abstracts of technical disclosure of patent published at request of applicant or owner. The practice called "Defensive Publications" began Nov. 1968 and ended July 1986. The current practice, called "Statutory Invention Registrations," began May 1985. [3] Includes patent inventions and patents for designs, botanical plants and reissues. Beginning 1966, also includes published applications.

Source: U.S. Patent and Trademark Office. Fiscal-year figures are published in the *Commissioner of Patents and Trademarks Annual Report*.

Digitized by Google



Section **18**

Communications

This section presents statistics on the usage, finances, and operations of the Postal Service and f the various communications media: Telephone, telegraph, radio, television, newspapers and perdicals. Expenditures data for advertising in the media are also included.

Postal Service.—The Postal Service provides mail processing and delivery services within the nited States. The Postal Reorganization Act of 1970 created the Postal Service, effective July 971, as an independent establishment of the Federal Executive Branch; it also placed restrictions the private delivery of mail.

"Revenue and cost analysis" is the term used by the Postal Service to describe its system of ributing revenues and costs to classes of mail and service. This system draws primarily upon obability sampling techniques to develop estimates of revenues, volumes, and weights, as well as sts by class of mail and special service. The costs attributed to classes of mail and special servs are primarily incremental costs which vary in response to changes in volume; they account for ghly 60 percent of the total costs of the Postal Service. The balance represents "institutional its" which includes funds for research and development, portions of personnel and office sups, etc. Statistics on revenues, volume of mail, and distribution of expenditures are presented in Postal Service's annual report, *Revenue and Cost Analysis,* and its *Annual Report of the Postster General.*

ommunication media.—The Federal Communications Commission (FCC), established in 1934, ulates wire and radio communications and licenses radio and television stations. Only the largcarriers and controlling companies file annual or monthly financial reports. Jurisdiction of the applies to domestic and overseas telegraph carriers and to the Communications Satellite Cortion (Comsat), but not to a large number of telephone carriers that are engaged in intrastate ice. The gross operating revenues of the telephone carriers reporting annually to the FCC, how, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies. ports filed by the broadcasting industry cover substantially all radio and television stations opng in the United States and its outlying areas. Statistics covering the private radio services rept the largest and most diverse group of licensees regulated by the FCC. These services pri y provide two-way radio communication for emergency and business purposes in the aviation, e, land transportation, and other industries; police, fire, and other public safety programs; and eur and personal operations. Principal sources of wire, radio, and television data are the FCC's *al Report,* and its annual *Statistics of Communications Common Carriers.*

tistics on the printed media are available from the U.S. Bureau of the Census, as well as from is private agencies. The censuses of manufactures (conducted by the Census Bureau every ears, for the years ending in "2" and "7") provide statistics on the number and circulation of apers and periodicals and on sales of books and pamphlets. Editor & Publisher Co., Inc., ork, presents annual data on the number and circulation of daily and Sunday newspapers in *ernational Year Book.* Monthly data on new books and new editions appear in *Publishers y,* issued by R. R. Bowker Company, New York. (See table 368 for annual data.)

ertising.—The statistics on advertising expenditures are compiled primarily by private organis. McCann-Erickson, Inc., which compiles certain of the data shown (see tables 896-898), s national advertising as the advertising done for companies whose products are distributed ally, and for which national media rates are paid. Local advertising is defined as the advertisne for companies which market their products locally and which may pay special "local" rates. Spot advertising is considered time bought by a national advertiser on a selective basis. Monthly index figures of advertising in certain media are also published periodically :ann-Erickson in *Advertising Age.*

Broadcast Advertisers Reports (see tables 900-902) distinguished between spot and local ising primarily on the basis of the type of advertiser to whom the time is sold, rather than how whom it is sold. In general, time purchased on be half of retail or service establishments in

Digitized by Google

the market is considered local, even though the establishments may be part of a national or regional chain. That is, spot advertising promotes a product, while local advertising promotes a given establishment. Network advertising, mutually exclusive of spot and local, is broadcast through the network system.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 872. U.S. Postal Service—Summary: 1900 to 1986

[For **fiscal years**; see text section 9.Includes Puerto Rico and all outlying areas except Canal Zone. See text section 16. See also *Historical Statistics, Colonial Times to 1970*, series R 163– 171]

YEAR	Number of Post Offices	FINANCES [1]				Sales of stamps and stamped paper (mil. dol.)	Postage paid under permit and meter (mil. dol.)	Money orders issued, total (mil. dol.)	PIECES OF MAIL HANDLED (est.)			
		Revenues (mil. dol.)	Expenditures [2] (mil. dol.)	Deficit (mil. dol.)	Revenue per capita [3] (dol.)				Total [4] (bil.)	First-class [5]		Second-class [6] (bil.)
										Number (bil.)	Percent	
1900	76,688	102	108	5	1.34	94	(7)	256	7.1	(NA)	(NA)	(NA)
1910	59,580	224	230	6	2.43	202	4	638	14.9	(NA)	(NA)	(NA)
1920	52,641	437	454	17	4.11	380	13	1,356	(NA)	(NA)	(NA)	(NA)
1930	49,063	705	804	98	5.75	575	74	1,767	27.9	16.9	60.6	5.0
1940	44,024	767	808	41	5.84	522	177	2,108	27.7	15.2	54.9	4.8
1950	41,464	1,677	2,223	545	11.14	862	676	[8] 5,138	45.1	24.5	54.3	6.3
1955	38,316	2,349	2,712	363	14.33	999	1,136	5,883	55.2	28.7	52.0	6.7
1960	35,238	3,277	3,874	597	16.27	1,245	1,699	5,058	63.7	33.2	52.1	7.5
1965	33,624	4,483	5,276	793	23.17	1,528	2,529	4,540	71.9	38.1	53.0	8.6
1970	32,002	7,702	7,867	165	31.05	1,936	3,883	4,709	84.9	48.6	57.2	9.4
1971	31,947	8,751	6,955	204	32.24	1,999	4,126	4,726	67.0	50.0	57.5	9.6
1972	31,686	9,347	9,522	175	37.89	2,371	4,861	4,731	67.2	48.9	58.1	9.5
1973	31,385	9,913	9,926	13	39.77	2,399	5,141	4,700	69.7	51.0	56.9	9.0
1974	31,000	10,857	11,295	438	42.85	2,504	5,623	5,194	90.1	51.6	57.3	8.8
1975	30,754	11,590	12,578	988	47.06	2,619	6,241	5,856	89.3	51.4	57.8	9.1
1976	30,521	12,747	13,923	1,176	52.21	3,155	6,883	6,243	89.6	52.1	58.0	8.9
1976,TQ [9]	30,521	3,402	3,387	[10] 15	14.11	615	1,895	1,639	21.5	12.5	58.1	2.1
1977	30,521	14,622	15,310	688	60.18	3,658	7,951	5,636	92.2	63.7	58.2	8.7
1978	30,516	15,841	16,220	379	64.91	3,943	8,668	5,587	98.9	56.0	57.8	8.7
1979	30,449	17,999	17,529	[10] 470	73.37	4,382	10,062	5,631	99.8	58.0	58.1	8.4
1980	30,326	19,106	19,412	306	77.32	4,287	10,828	6,112	106.3	60.3	56.7	8.4
1981	30,242	20,781	21,369	588	83.62	4,625	11,891	6,692	110.1	61.5	55.8	10.0
1982	30,155	23,628	22,826	[10] 802	97.83	5,559	13,984	6,920	114.0	62.3	54.5	9.5
1983	29,990	24,699	24,083	[10] 616	101.08	5,709	14,755	7,355	119.4	64.3	53.8	9.2
1984	29,750	26,474	26,357	[10] 117	107.77	6,023	16,067	6,121	131.5	68.4	52.0	9.5
1985	29,557	28,956	29,207	251	116.60	6,520	17,747	9,036	140.1	72.4	51.7	10.4
1986	29,344	31,021	30,716	[10] 305	125.48	6,969	19,294	10,687	147.4	76.2	51.7	10.8

NA Not available. [1] After allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Through 1950, includes some payments and receipts applicable to services in prior years; beginning 1955, expenditures are shown in year in which obligation was incurred, and revenues in year which gave rise to the earnings, whether collected or accrued. In 1954, the Postal Service began receiving reimbursement for penalty and franked mail, and discontinued payment of subsidies to airlines. Revenues for 1960 include $37.4 million reimbursement from the Treasury General Fund for statutory public services. These and other changes affect comparability of figures. See also footnote 2, table 673. [2] Includes capital expenditures for plant and equipment and cost of materials and supplies, but no provision for depreciation. Also includes costs of certain services rendered to other agencies without reimbursement but excludes costs of certain services rendered to the Postal Service by other agencies. Beginning 1955, represents obligations incurred; beginning 1965, represents accrued expenses, including depreciation on fixed assets, reimbursable work for others, and expenses paid by certain other agencies without reimbursement by the Postal Service. [3] Operating revenue only; based on Bureau of the Census estimated total population as of Jan. 1, including Armed Forces abroad. [4] Includes other classes of mail not shown separately. See table 675. [5] Items mailed at 1st-class rates and weighing 12 ounces or less. Beginning 1977, includes air mail which was discontinued as a separate class of mail. Includes items wholly or partially in writing or typewriting, cards or bills and statements of account, items closed against postal inspection, etc. [6] Includes mail paid at other than bulk rates. See footnote 7, table 673. [7] Service not inaugurated. [8] Includes postal notes issued under act of Congress. [9] Transition quarter, July-Sept. [10] Net income.

Source: U.S. Postal Service, *Annual Report of the Postmaster General.*

Digitized by Google

No. 873. U.S. Postal Service Revenues: 1970 to 1986

[In millions of dollars, except percent. For fiscal years; see text, section 9. Includes Puerto Rico and all outlying areas except Canal Zone. See text, section 18]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total revenue [1]	7,702	11,590	15,841	17,999	19,106	20,781	23,626	24,699	26,474	28,956	31,021
SOURCE											
Operating postal revenue [2]	6,347	10,015	14,133	16,106	17,143	19,133	22,600	23,582	25,314	27,736	30,102
Stamps, postal cards, etc	1,936	2,819	3,943	4,382	4,287	4,625	5,559	5,709	6,023	6,520	6,969
Second-class postage paid in money (pound rates) [3]	192	264	551	755	881	911	996	991	1,056	1,339	1,271
Other postage paid under permit and meter	3,883	6,241	8,668	10,062	10,828	11,891	13,984	14,755	16,067	17,747	19,294
Box rents	44	87	124	153	160	168	166	202	188	230	259
Miscellaneous	236	556	758	663	892	1,427	1,771	1,801	1,647	1,774	2,174
Money-order revenues	56	53	89	91	95	111	122	124	132	126	135
Government appropriations	1,355	1,533	1,722	1,720	1,610	1,275	707	789	879	970	716
Percent of total revenue	17.6	13.2	10.9	9.6	8.4	6.1	3.0	3.2	3.3	3.3	2.3
Investment income, net	–	37	[4] – 14	173	353	373	321	328	282	250	203
MAIL AND SERVICE											
First-class mail [5]	3,291	5,798	8,575	9,733	10,146	11,457	13,747	14,255	15,218	16,740	18,035
Priority mail [6]	282	411	497	561	612	756	823	649	928	960	1,011
Second-class publishers' mail [7]	190	277	539	739	864	885	961	958	1,025	1,093	1,222
Third-class mail [8]	827	1,348	1,987	2,216	2,412	2,643	3,303	3,877	4,241	4,887	5,606
Bulk rate	(NA)	1,187	1,745	1,967	2,166	2,405	3,092	3,482	4,039	4,697	5,414
Single piece rate and fees	(NA)	181	242	249	244	238	211	195	202	190	193
Fourth-class mail [9]	776	716	673	747	805	786	788	753	774	783	814
Zone rate mail (parcels, catalogs, etc.)	(NA)	577	460	484	500	499	507	500	519	524	550
Special fourth-class rate	(NA)	130	187	237	272	251	237	206	210	199	213
Library rate and fees	(NA)	11	27	27	33	36	44	47	45	40	51
Government mail [10]	199	484	626	678	745	781	918	913	901	934	992
International mail [11]	270	390	499	550	596	735	882	874	859	882	934
Special services	236	251	439	506	518	623	823	866	868	916	979
Express mail	(X)	(X)	89	134	184	270	339	422	490	544	491
Mailgrams	(X)	(X)	11	15	15	18	16	14	13	15	17
Other [12]	1,629	1,913	1,905	2,120	2,205	1,647	1,028	1,118	1,159	1,220	919

– Represents zero. NA Not available. X Not applicable. [1] Net revenue after refunds of postage. Includes operating reimbursements. [2] The U.S. Postal Service was established July 1, 1971. Revenues for 1970 are those of the Post Office Department. Revenues for 1970 have been restated to be consistent with subsequent years. See also footnote 1, table 672. [3] Includes controlled circulation publications. [4] Interest expense on loans exceeded interest income received from investments. [5] See footnote 5, table 672. [6] Items otherwise qualified as 1st-class or airmail that exceed 12 ounces and 6 ounces, respectively. [7] Includes mail paid at other than bulk rates. Publishers' mail includes printed publications periodically issued and mailed at a known post office to paid subscribers. These include regular rate newspapers and magazines, and classroom and nonprofit rate publications. Outside-the-county publications are those mailed to destinations outside the county of publication. Includes publications of at least 24 pages and containing at least 25 percent nonadvertising content issued quarterly or less frequently for mainly free distribution. This latter group, formerly known as "controlled circulation publications" was discontinued as a separate class of mail in March 1982. [8] Items less than 18 ounces in weight not mailed at either 1st- or 2nd-class rates. [9] Items not mailed at 1st-, 2d-, or 3d-class rates, except government and international mail. May include parcel post catalogs weighing 16 ounces or more, books, films, and records. [10] Penalty and franked mail. [11] Mail from U.S. to foreign countries paid at international mail rates. [12] Consists of unassignable revenues; 1970 and 1975 include domestic mail.

Source: U.S. Postal Service, *Annual Report of the Postmaster General.*

No. 874. U.S. Postal Service Employees, by Type: 1970 to 1986

[**thousands, except as indicated.** For fiscal years; see text, section 9. Includes Puerto Rico, and all outlying areas except Canal Zone. See *Historical Statistics, Colonial Times to 1970*, series R 187, for total employees]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total employees	741	702	663	667	670	675	679	702	744	785
Clerks	549	559	534	536	544	547	547	561	586	606
Postmasters	30	30	28	29	29	29	28	28	28	27
Mail supervisors and tech. personnel	37	37	36	36	37	38	39	45	46	49
Mail handler clerks and mail handlers [1]	243	239	230	229	232	232	229	235	249	260
Mail carriers and vehicle drivers	165	167	160	160	164	165	166	171	179	187
Rural carriers	31	31	32	33	33	34	34	35	35	36
Other	42	55	48	49	49	49	51	47	48	47
Mail handler (part-time)	193	143	129	130	126	128	132	141	159	179
Compensation and employee benefits (bil.)	6,462	10,805	15,162	16,541	18,018	19,094	20,070	22,157	24,349	25,576
Salary per employee (dol.) [2]	8,721	15,392	22,869	24,799	26,893	28,283	29,565	31,562	32,727	32,581
Pieces of mail per employee, average	115	127	151	159	164	169	176	187	188	179

[1] Includes mobile unit employees. [2] Includes fringe benefits.

Source: U.S. Postal Service, *Annual Report of the Postmaster General.*

Digitized by Google

No. 875. U.S. Postal Service—Volume of Mail, by Class: 1970 to 1986

[In millions, except per capita. For fiscal years; see text section 9. Includes Puerto Rico and all outlying areas except Canal Zone. For definition of classes of mail, see footnotes, table 901. See also *Historical Statistics, Colonial Times to 1970*, series R 172-186]

CLASS OF MAIL	PIECES OF MAIL					WEIGHT OF MAIL (lb.)				
	1970	1975	1980	1985	1986	1970	1975	1980	1985	1986
Total	84,882	89,266	106,311	140,098	147,376	13,261	12,025	12,958	16,783	17,152
Domestic	83,986	88,334	105,348	139,269	146,578	13,055	11,824	12,742	16,564	16,934
1st class and airmail [1]	50,174	52,482	60,332	72,517	76,252	1,636	1,746	2,213	2,807	2,937
Priority mail	185	207	248	308	330	371	440	591	672	704
2d class [2]	9,914	9,713	10,221	10,380	10,588	3,641	3,024	3,478	3,986	3,972
3d class	19,974	21,857	30,381	52,170	55,049	2,032	2,283	3,240	6,453	6,544
4th class	977	801	833	576	602	4,786	3,754	2,661	2,156	2,254
Penalty	2,544	2,928	2,992	2,608	2,970	540	527	503	470	469
Franked and free for blind	218	336	540	710	787	49	50	56	40	54
International	896	932	963	829	798	226	201	216	219	218
Per capita: [3]										
Total, all domestic mail [4]	411	411	464	585	611	64	55	56	70	71
1st class and airmail	245	244	266	304	318	8	8	10	12	12
2d class [2]	49	45	45	44	44	18	14	15	17	17
3d class	98	102	134	219	229	10	11	14	27	27
4th class	5	4	3	2	3	23	17	12	9	9

[1] Beginning 1980, includes express mail established as a class of mail on October 9, 1977, and mailgrams. [2] See footnote 7, table 873. [3] 1970 and 1980, based on April 1 population, including Armed Forces abroad; otherwise, based on estimated total population as of Jan. 1, including Armed Forces abroad. [4] Includes types of mail not shown separately.

Source: U.S. Postal Service, *Annual Report of the Postmaster General*.

No. 876. U.S. Postal Service Rates for Letters and Post Cards: 1958 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series R 188-191]

DATE OF RATE CHANGE	SURFACE MAIL					DATE OF RATE CHANGE	SURFACE MAIL					Express mail [5]
	Letters			Postal and post cards	Domestic airmail letters [1]		Letters			Postal and post cards	Domestic airmail letters	
	Each ounce	First ounce	Each added ounce				Each ounce	First ounce	Each added ounce			
1958 (Aug. 1)	4¢	(x)	(x)	3¢	7¢	1975 (Dec. 31)	[3] (x)	[3] 13¢	[3] 11¢	[3] 9¢	(4)	(x)
1963 (Jan. 7)	5¢	(x)	(x)	4¢	8¢	1978 (May 29)	(x)	15¢	13¢	10¢	(4)	(x)
1968 (Jan. 7)	6¢	(x)	(x)	5¢	10¢	1981 (Mar. 22)	(x)	18¢	17¢	12¢	(4)	(x)
1971 (May 16)	8¢	(x)	(x)	6¢	11¢	1981 (Nov. 1)	(x)	20¢	17¢	13¢	(4)	$9.35
1974 (Mar. 2)	10¢	(x)	(x)	8¢	13¢	1985 (Feb.17)	(x)	22¢	17¢	14¢	(4)	$10.75
1975 (Sept. 14)	(x)	10¢	9¢	7¢	(x)	In effect, Oct. 1987	(x)	22¢	17¢	14¢	(4)	$10.75

X Not applicable. [1] Each ounce, except as noted. [2] Post Office to addressee rates. Rates shown are for weights up to 2 pounds, all zones. Beginning Feb. 17, 1985, for weights between 2 and 5 lbs, $12.85 is charged. Prior to Nov. 1, 1981, rate varied by weight and distances. Over 5 pounds still varies by distance. [3] As of October 11, 1975, surface mail service upgraded to level of airmail. [4] 17¢ for first ounce; 15¢ for each added ounce. [5] As of May 1, 1977, domestic airmail service, as a separate class of mail, was discontinued.

Source: U.S. Postal Service, "United States Domestic Postage Rates: Recent History," and unpublished data.

No. 877. International Air Mail Rates From the U.S.: 1961 to 1987

[Excludes Canada and Mexico]

DATE OF RATE CHANGE	ZONE 1 [1]		ZONE 2 [2]		ZONE 3 [3]		Postal and post cards	Aerogrammes
	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce	Each ½ ounce up to two ounces	Each added ½ ounce		
July 1, 1961	13	13	15	15	25	25	11	11
May 1, 1967	15	15	20	20	25	25	13	13
July 1, 1971	17	17	21	21	21	21	13	13
Mar. 2, 1974	21	17	26	21	26	21	18	18
Jan. 3, 1976	25	21	31	26	31	26	21	22
Jan. 1, 1981	35	[4] 30	40	[5] 35	40	[5] 35	28	30
Feb. 17, 1985	39	[4] 33	44	[7] 39	44	[7] 39	33	36
In effect, Oct. 1987	39	[4] 33	44	[7] 39	44	[7] 39	33	36

[1] Caribbean, Central and South America. The airmail letter rate to South America, 1961 to 1967, was the same as that to Europe. Beginning January 3, 1976, the airmail letter rate to all South American countries except Colombia and Venezuela is the same as Europe; Colombia and Venezuela are included in the first zone. [2] Europe and Mediterranean Africa. [3] Rest of world. [4] Up to 32 oz., 30 cents per additional ounce over 32. [5] Up to 32 oz., 35 cents per additional ounce over 32. [6] Up to 32 oz., 33 cents per additional ounce over 32. [7] Up to 32 oz.; 39 cents per additional ounce over 32.

Source: U.S. Postal Service, unpublished data.

Digitized by Google

No. 878. Utilization of Selected Media: 1950 to 1987

Item	Unit	1950	1960	1970	1975	1980	1982	1983	1984	1985	1986	1987
Households with—												
Telephone service [1]	Percent	(NA)	78.5	87.0	(NA)	93.0	(NA)	(NA)	91.8	91.8	92.2	92.5
Radio sets [2]	Percent	92.6	96.3	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Average number of sets	Number	2.1	3.7	5.1	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4
Television sets [3]	Millions	3.9	45.8	58.5	68.5	76.3	81.5	83.3	83.6	84.9	85.9	87.4
Television sets [3]	Percent	9	87	95	97	98	98	98	98	98	98	98
Color set households [3]	Millions	–	.3	20.9	46.9	63.4	71.4	73.9	75.8	77.7	80.1	82.7
Average viewing per day [4]	Hours	4.6	5.1	5.9	6.1	6.6	6.8	7.0	7.1	7.1	(NA)	7.2
Average number of sets [5]	Number	1.01	1.13	1.39	1.54	1.66	1.75	1.79	1.78	1.83	1.83	1.86
Cable TV [6]	Percent	(NA)	(NA)	(NA)	(NA)	19.8	29.0	37.2	41.2	44.6	46.8	48.7
VCR's [7]	Percent	(NA)	(NA)	(NA)	(NA)	1.1	3.1	5.5	10.6	20.8	36.0	48.7
Commercial radio stations: [8]												
AM	Number	2,232	3,539	4,323	4,463	4,589	4,666	4,733	4,754	[9] 4,718	4,863	(NA)
FM	Number	676	815	2,196	2,767	3,282	3,380	3,527	3,716	[9] 3,875	3,944	(NA)
Television stations: [8] Total	Number	98	559	862	953	1,011	1,065	1,106	1,138	1,182	1,235	1,290
Commercial	Number	(NA)	515	677	706	734	777	813	841	883	919	968
Cable television: [8]												
Systems	Number	[10] 70	640	2,490	3,506	4,225	4,825	5,600	6,200	6,844	7,600	7,900
Subscribers served	Millions	[10] .01	.65	4.5	9.8	15.5	21.0	25.0	30.0	31.3	37.5	39.7
Daily newspaper circulation: [11]												
Number	Millions	53.8	58.9	62.1	60.7	62.2	62.5	62.6	63.1	62.8	62.7	(NA)
Per capita [12]	Number	.354	.327	.305	.282	.275	.269	.267	.267	.263	.263	(NA)

– Represents zero. NA Not available. [1] For occupied housing units. 1950 through 1980, as of April 1, thereafter, as of March. Source: U.S. Bureau of the Census, *Census of Housing: 1960, 1970,* and *1980*, vol. 1, and unpublished data. [2] As of Dec. 31, except as noted. Source: Radio Advertising Bureau, New York, NY, *Radio Facts*, annual (copyright). Number of stations on the air compiled from Federal Communications Commission reports. [3] 1970–1975, as of Sept. of prior year; all other years as of Jan. of year shown. Source: 1950–1965, National Broadcasting Company, New York, NY, thereafter, A.C. Nielsen Company, Northbrook, IL, *Nielsen Report on Television* (copyright). [4] Calendar year data. Source: A.C. Nielsen Company, Northbrook, IL, *Nielsen Report on Television* (copyright). [5] 1970 and 1975, as of Sept; all other years, as of Jan. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc. New York, NY, "Trends in Television 1950 to Date", March 1986. [6] As of February. Source: See footnote 4. [7] As of February. Excludes Alaska and Hawaii. Source: A.C. Nielsen Company, Northbrook, IL, *VCR Trends* (copyright). [8] As of February 1986. [9] As of Jan. 1. Source: Television Digest, Inc., Washington, DC, *Television and Cable Factbook*, annual (copyright). Number of television stations on the air. [10] Data for 1952. [11] As of Sept. 30, except 1950 and 1960, as of Oct. 1. Source: Editor & Publisher, Inc., New York, NY, *Editor & Publisher International Year Book*, annual (copyright). [12] Per capita based on total resident population enumerated as of April 1, 1970 and 1980, and estimated as of July 1 for other years.

Source: Compiled from sources listed in footnotes.

No. 879. Multimedia Audiences—Summary: 1983 and 1987

[**In percent, except as indicated.** As of **spring.** For persons 18 years old and over. Based on sample and subject to sampling error; see source for details]

Item	Total population (1,000)	Television watchers		Radio listeners				Newspaper readers	
		Cable	Pay	Weekday	Weekend	Religious	News/talk	Daily	Sunday
Total, 1983	**164,662**	**30.4**	**19.0**	**81.5**	**69.2**	**(NA)**	**(NA)**	**61.5**	**64.7**
Total, 1987	**172,957**	**48.2**	**27.2**	**80.6**	**66.8**	**2.7**	**7.6**	**60.1**	**63.8**
18–24 years old	27,409	48.3	32.2	92.3	83.5	3.0	3.9	48.3	58.8
25–34 years old	41,340	48.7	31.9	86.6	72.5	2.9	5.2	54.4	60.4
35–44 years old	31,803	49.8	32.6	83.7	64.5	3.0	7.0	62.0	66.7
45–54 years old	22,672	54.0	30.9	81.3	62.5	3.5	9.6	68.1	70.7
55–64 years old	22,564	47.6	21.3	70.9	60.0	2.1	11.1	68.0	68.1
65 years old and over	27,170	41.2	10.3	60.1	53.2	1.8	10.8	65.6	61.6
Male	82,458	48.9	28.3	83.6	68.5	2.5	8.4	62.4	64.6
Female	90,499	47.6	26.1	77.8	65.2	3.0	6.8	58.1	63.0
White	150,344	50.3	28.1	81.1	66.5	2.6	7.7	61.7	64.9
Black	19,088	33.3	20.6	77.1	69.4	4.3	6.6	51.1	58.8
Other	3,524	39.2	21.9	76.4	64.6	2.6	5.2	42.3	44.4
Spanish speaking	8,373	38.9	24.2	86.4	70.5	3.7	7.5	50.0	52.9
College graduate	30,178	53.5	31.7	84.8	66.1	2.6	10.8	71.9	78.0
Attended college	31,384	55.8	33.3	86.5	70.2	3.0	9.1	66.2	72.1
High school graduate	67,356	48.0	28.5	82.7	69.5	2.8	7.0	59.7	64.2
Not high school graduate	44,039	39.5	17.7	70.1	60.8	2.7	5.8	48.4	47.7
Employed: Full-time	95,802	51.4	32.7	87.3	70.2	2.7	7.5	60.9	66.3
Part-time	11,463	52.8	32.7	85.2	70.2	4.9	5.7	59.9	69.3
Not employed	65,692	42.8	18.1	70.0	61.3	2.4	6.0	59.0	59.4
Household income:									
Less than $10,000	18,567	31.6	9.9	65.9	61.8	2.7	5.9	43.1	44.4
$10,000 to $19,999	30,529	37.3	14.7	75.4	65.3	2.7	6.6	49.0	50.6
$20,000 to $29,999	32,638	47.5	25.4	80.3	67.9	3.3	6.1	58.1	59.6
$30,000 to $34,999	16,414	49.3	29.2	83.0	69.4	3.4	7.7	63.2	65.3
$35,000 to $39,999	14,270	54.1	33.9	81.9	63.2	2.3	8.7	63.7	66.0
$40,000 to $49,999	24,296	53.3	33.6	86.5	68.2	2.9	8.2	67.3	75.0
$50,000 or more	36,223	60.2	40.3	87.1	69.0	2.2	9.6	72.5	79.6

NA Not available.

Source: Mediamark Research Inc., New York, NY, *Multimedia Audiences*, Spring 1987. (Copyright.)

Digitized by Google

No. 880. Communications Equipment—Factory Shipments: 1980 to 1985

[In millions of dollars, except percent change. Minus sign (—) indicates decrease. N.e.c. = Not elsewhere classified]

ITEM	1980	1981	1982	1983	1984	1985	PERCENT CHANGE 1980–81	1981–82	1982–83	1983–84	1984–85
Shipments, total	**19,625**	**23,795**	**27,702**	**30,676**	**33,813**	**37,215**	**21.3**	**16.4**	**10.7**	**10.2**	**10.1**
Search, detection, navigation and guidance systems and equip.[1]	12,139	15,040	17,733	19,982	21,973	24,200	23.9	17.9	12.7	10.0	10.1
Radar systems and equipment	1,819	1,900	2,442	3,344	3,359	3,400	17.4	28.5	36.9	.4	1.2
Missiles-borne and space-vehicle-borne equipment	1,216	1,583	1,867	1,856	2,651	3,000	30.0	17.9	–.6	42.8	13.2
Navigation systems and equip.[2]	2,151	2,578	2,689	2,712	2,706	2,760	19.9	4.3	.9	–.2	2.0
Counter measures equipment	754	1,004	1,284	1,598	1,958	2,400	33.2	27.9	24.3	22.7	22.6
Tracking radar	1,135	1,702	1,779	2,088	2,163	2,250	50.0	4.5	17.4	3.6	4.0
Search, detection, identification, and tracking system n.e.c.	614	893	1,048	1,189	1,461	1,800	9.7	17.4	13.5	22.9	23.2
Sonar search, detection and tracking systems and equipment	800	978	1,156	1,374	1,579	1,800	22.3	18.2	18.9	14.9	14.0
Specialized electronic and comm. intelligence equipment	845	1,051	1,346	1,349	1,580	1,750	24.4	28.1	.2	17.1	10.8
Commercial, industrial, and military communications equipment[1]	5,106	5,722	6,854	7,694	8,798	9,765	12.1	19.6	12.3	14.3	11.0
Space satellite communications systems	898	1,095	1,614	1,760	2,036	2,260	21.9	47.4	9.0	15.7	11.0
Receivers, radio communications	782	1,086	1,290	1,391	1,565	1,700	38.9	18.8	7.8	12.5	8.6
Intercommunications systems[3]	1,193	1,586	1,572	1,537	1,593	1,700	32.9	–.9	–2.2	3.6	6.7
Broadcast studio and related electronic equipment[4]	1,187	1,447	1,544	1,464	1,449	1,550	21.9	6.7	–5.2	–1.0	7.0

[1] Includes shipments not shown separately. [2] For aircraft, ship, and ground navigation. Represents autopilots, beacons, collision warning devices, direction finders equipment, etc. [3] Includes alarm systems and traffic control shipment. [4] Includes video, cable TV, and audio equipment.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 881. Telephone and Telegraph Systems: 1960 to 1985

[Covers principal carriers filing annual reports with Federal Communications Commission. See *Historical Statistics, Colonial Times to 1970*, series R 46–70 and R 75–88, for data on telegraph systems]

ITEM	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
Domestic telephone:[1]											
Carriers[2]	Number	52	56	62	61	59	60	61	62	61	39
Telephones[3]	Million	66	105	130	153	157	158	151	(NA)	(NA)	(NA)
Access lines	Million	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	100	103
Miles of wire	Million	318	628	672	1,081	1,131	1,188	1,223	1,260	1,290	1,313
Gross book cost of plant	Bil. dol.	25.7	59.9	95.5	134.9	147.4	161.5	174.0	184.2	183.0	195.1
Depreciation reserves[4]	Bil. dol.	5.6	13.2	18.8	24.9	26.5	30.0	34.0	39.7	42.9	50.0
Ratio to book cost	Percent	21.7	22.1	19.7	18.5	18.0	18.6	19.6	21.5	23.5	25.6
Capital stock and premium	Bil. dol.	10.7	16.4	21.6	26.6	31.3	34.5	38.6	43.4	46.9	48.1
Operating revenues	Bil. dol.	8.4	18.2	31.3	49.6	55.6	63.7	70.7	75.0	86.9	104.8
Operating expenses[5]	Bil. dol.	5.0	11.7	20.2	33.0	37.3	42.8	49.1	50.9	74.7	78.6
Net operating income[6]	Bil. dol.	1.4	3.1	5.6	8.9	10.0	11.4	11.4	12.4	12.4	13.4
Net income	Bil. dol.	1.3	2.3	3.6	6.0	6.8	7.5	7.3	7.6	8.5	9.5
Employees	1,000	627	839	840	928	938	945	909	858	742	(NA)
Compensation of employees	Bil. dol.	3.4	7.0	11.7	16.4	20.2	22.2	24.6	25.1	22.7	(NA)
Overseas telephone:											
Number of overseas calls	Million	3.3	23.4	62.2	168.3	199.6	265.5	310.8	369.5	427.6	412.0
Revenue from overseas calls	Mil. dol.	18	252	562	1,106	1,535	1,654	1,461	1,697	1,772	1,799
Ocean cable systems	Number	5	17	21	22	24	24	24	26	26	26
Communications satellites[7]	Number	–	4	5	5	5	5	6	6	6	6
Domestic telegraph:											
Carriers	Number	1	1	1	1	1	1	1	1	1	1
Revenue messages transmitted	Million	124	70	42	55	55	56	50	42	39	35
Message revenues[8]	Mil. dol.	190	234	197	271	296	320	320	316	321	304
Total operating revenues	Mil. dol.	262	402	505	636	697	779	809	722	738	715
Operating revenue deductions	Mil. dol.	247	368	435	561	603	669	726	654	712	654
Operating income[9]	Mil. dol.	11	34	70	75	94	110	84	68	26	61
Teletypewriter messages	Million	33	46	54	59	68	63	(NA)	(NA)	(NA)	(NA)
Overseas telegraph:[10]											
Carriers	Number	9	8	8	7	7	7	7	8	8	8
Revenue messages transmitted	Million	28	32	26	21	20	18	15	11	9	7
Message revenues[8]	Mil. dol.	71	124	217	355	380	405	411	395	411	404
Total operating revenues	Mil. dol.	87	194	316	497	535	576	613	618	644	652
Operating revenue deductions	Mil. dol.	77	156	245	362	405	468	532	560	611	638
Operating income[9]	Mil. dol.	8	26	48	85	79	70	58	47	33	15
Return on investment:[11]											
Telephone	Percent	7.3	7.1	7.6	8.5	8.7	9.0	8.4	8.7	8.7	9.4
Domestic telegraph	Percent	5.0	5.0	6.1	5.5	6.6	7.4	5.3	3.9	1.5	3.5
Overseas telegraph	Percent	7.2	10.6	12.0	17.9	15.9	12.5	9.1	6.8	3.3	6.7

– Represents zero. NA Not available. [1] Includes Puerto Rico and, beginning 1970, Virgin Islands. Excludes intercompany duplications. Gross operating revenues of carriers reporting since 1970 estimated at 90 percent of all carriers. [2] Beginning 1985, number of carriers changed due to change in dollar requirement of reporting carriers from $1,000,000 to $100,000,000. [3] Includes company, service, and private. [4] Includes amortization reserves. [5] Excludes taxes. [6] After tax deductions. [7] Excludes contingency and retired satellites. [8] Includes telex service; for domestic telegraph, excludes TWX. [9] After Federal income taxes. [10] Beginning 1970, excludes South American and most Caribbean operations of All America Cables and Radio, Inc. [11] Ratio of net operating income (after taxes) to average net book cost of communications plant.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual, and unpublished data.

Digitized by Google

No. 882. Telephone Companies—Summary: 1970 to 1986

[As of Dec. 31 or calendar year, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series R 31–45]

Item	Unit	Independent companies [1]							Total [2]		
		1970	1975	1980	1983	1984	1985	1986	1984	1985	1986
All companies	Number	1,841	1,618	1,483	1,429	1,418	1,402	1,380	1,440	1,426	1,404
Telephones	1,000	20,312	26,623	34,665	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	1,000	(NA)	18,855	20,808	22,331	23,020	24,330	25,196	114,474	118,275	122,203
Total telephone plant	Mil. dol	12,390	21,200	35,300	44,500	45,850	49,069	50,692	193,779	207,289	218,701
Operating revenues	Mil. dol	2,953	5,500	10,475	14,875	18,000	17,245	18,469	73,868	78,425	82,366
Average daily conversations, total	Millions	109	146	192	209	210	223	243	1,199	1,264	1,327
Local calls	Millions	104	138	177	188	190	203	210	1,111	1,162	1,206
Toll calls	Millions	5	8	15	21	20	20	33	88	102	121
Reporting companies [3]	Number	884	731	705	676	631	653	630	655	677	654
Telephones	1,000	19,182	25,548	33,748	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Access lines	1,000	(NA)	(NA)	19,412	21,077	22,069	23,430	24,164	113,556	117,375	121,172
Telephone plant in service	Mil. dol	11,175	19,520	32,491	40,463	42,093	45,501	47,732	186,151	199,978	212,366
Depreciation reserves	Mil. dol	2,203	4,120	7,820	11,553	12,864	14,310	15,515	45,748	52,872	61,053
Operating revenues	Mil. dol	2,791	5,294	10,177	14,309	15,403	18,684	17,555	73,270	77,864	81,452
Operating expenses [4]	Mil. dol	1,953	3,639	7,279	11,432	12,305	13,323	12,548	59,788	63,879	59,292
Net income	Mil. dol	356	711	1,268	1,968	2,199	2,434	2,817	9,313	10,063	10,964
Common stock and surplus	Mil. dol	3,733	8,181	9,623	12,060	12,781	13,940	14,033	63,147	66,510	66,603
Net income to common stock and surplus	Percent	9.5	11.5	13.2	16.3	17.2	17.5	18.7	14.7	15.1	16.5
Employees	1,000	142	152	189	175	186	170	165	724	695	672
Wages and salaries	Mil. dol	1,001	1,737	3,373	4,223	4,429	4,558	4,736	22,112	21,443	22,127

NA Not available. [1] Companies independent of the Bell System, prior to divestiture of January 1984. [2] All telephone companies. [3] Comprises only companies submitting operating information to source cited below. [4] Excludes Federal income tax.

Source: United States Telephone Association, Washington, DC, *Statistics of the Telephone Industry*, annual. (Copyright.)

No. 883. REA and Rural Telephone Bank Program—Summary: 1970 to 1986

Item	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Loans and guarantees approved, Dec. 31: [1]											
Borrowers	Number	862	921	981	990	1,010	1,029	1,037	1,035	1,034	1,037
REA amount	Mil. dol	1,816	2,576	3,606	3,845	4,076	4,327	4,540	4,742	4,937	5,119
Guaranteed amount	Mil. dol	–	237	392	418	553	626	872	701	679	679
Rural Telephone Bank amount	Mil. dol	–	818	1,262	1,388	1,529	1,726	1,672	2,000	2,131	2,249
Route miles of line, [2] Dec. 31	1,000	547	653	772	798	805	831	847	868	872	869
Subscribers, Dec. 31	1,000	2,335	3,045	4,073	4,262	4,375	4,546	4,629	4,747	4,792	4,833
Telephones in service	1,000	2,989	4,355	6,335	6,770	6,953	7,147	(NA)	(NA)	(NA)	(NA)
Total operating revenues	Mil. dol	363	753	1,540	1,758	2,042	2,389	2,643	2,910	3,108	3,181
Total telephone plant	Mil. dol	2,085	3,850	6,558	7,388	8,034	8,897	9,532	10,195	10,871	10,917
Employees	1,000	15.4	20.0	27.9	28.4	28.7	28.8	28.9	28.7	28.3	27.8

– Represents zero. NA Not available. [1] Cumulative net loans (cancellations deducted). [2] Line in service.

Source: U.S. Rural Electrification Administration, *Statistical Report—Rural Telephone Borrowers*, annual.

No. 884. Private Radio Stations Authorized by Class: 1980 to 1986

[In thousands. As of Sept. 30. Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1970*, series R 140–148]

Class	1980	1985	1986	Class	1980	1985	1986
Private radio services [1]	16,357.3	2,419.5	2,573.7	Land transportation	28.0	37.7	39.8
Personal	14,560.2	(x)	459.4	Railroad	10.0	13.8	14.9
Citizens Band	14,308.4	(x)	–	Taxicab	4.8	8.1	6.2
General mobile	20.2	33.6	35.7	Interurban property	3.1	4.4	4.9
Radio control	231.7	(x)	–	Other	9.9	13.4	13.8
Amateur and disaster	389.9	415.4	423.7	Marine	398.3	525.3	561.2
Aviation	231.8	245.7	244.3	Ship	366.8	510.4	545.3
Aircraft	196.8	207.3	205.4	Alaskan	2.8	2.7	2.8
Aeronautical and fixed	9.5	10.9	11.1	Coastal and other	9.1	12.2	13.1
Civil air patrol	21.8	23.0	23.3	Public safety	137.1	194.5	207.1
Other	3.7	4.5	4.5	Police	42.3	42.3	45.0
Industrial	504.9	811.3	864.4	Fire	20.8	36.8	38.7
Power	23.1	34.4	37.7	Forestry conservation	7.8	9.8	10.2
Business	370.4	593.5	635.8	Highway maintenance	9.7	12.7	13.4
Petroleum	17.9	25.2	26.8	Special emergency	22.4	37.4	39.4
Forest products	8.4	9.8	10.8	Other	34.2	55.9	60.4
Special industrial	72.1	115.0	119.2	Operational fixed services [2]	18.0	23.1	25.8
Other	14.7	33.4	34.7				

– Represents zero. X Not applicable. [1] Includes items not shown separately. Each license, construction permit, or combination construction permit and license is counted as one station, therefore, a station might include a transmitter and many mobile units. [2] Includes microwave operations.

Source: U.S. Federal Communications Commission, *Annual Report*, and unpublished data.

Digitized by Google

No. 885. Public Television Stations: 1968 to 1984

[Based on a "typical" broadcast week through 1972; calendar year data for 1974 and 1976; fiscal year data thereafter. General programing is directed at the general community. Instructional programing is directed at students in the classroom or otherwise in the general context of formal education]

ITEM	1968	1970	1972	1974	1976	1978	1980	1982	1984
Stations broadcasting	[1] 153	[1] 190	220	[2] 238	[2] 253	272	281	291	303
Total weekly broadcast hours	[1] **8,534**	[1] **12,217**	**15,587**	**18,321**	**22,006**	**26,064**	**27,643**	**30,337**	**32,293**
General programs	4,671	7,697	7,904	10,868	14,329	17,929	19,508	21,418	23,154
Percent of total hours	54.7	63.0	50.7	59.3	64.8	68.8	69.6	70.6	71.7
Instructional programs [3]	3,863	4,520	7,683	7,453	7,766	8,135	8,135	8,919	9,139
Average weekly broadcast hours per station	**56.1**	**65.3**	**70.9**	**80.7**	**90.9**	**95.8**	**99.8**	**104.3**	**106.6**
General programing	30.7	41.1	36.0	47.9	59.0	65.9	69.4	73.6	76.4
Instructional programing [4]	25.4	24.2	34.9	32.8	31.9	29.9	30.4	30.7	30.2

[1] 152 stations reported in 1968 and 187 in 1970; details include data for reporting stations only. [2] Includes data for 227 stations only, representing 147 primary broadcasters; does not include secondary broadcasters. [3] Includes data for 243 stations only, representing 151 primary broadcasters. [4] Beginning 1974, includes material from Children's Television Workshops.

Source: Through 1970, National Instructional Television Center, Bloomington, IN, *One Week of Educational Television, 1970* (copyright); 1972, Corporation for Public Broadcasting, *One Week of Public TV*, April 1972, and unpublished data; 1974–1984, Corporation for Public Broadcasting, *PTV Programming Content by Category Report Series*, and unpublished data.

No. 886. Public Broadcasting Systems—Income by Source: 1975 to 1985

[**In millions of dollars, except as indicated.** Stations as of Dec. 31; fiscal year data for income. Beginning 1979, includes nonbroadcast income]

NUMBER OF STATIONS AND INCOME SOURCE	1975	1979	1980	1981	1982	1983	1984	1985, prel.	PERCENT DISTRIBUTION 1975	1980	1985, prel.
Number of CPB-qualified public radio stations	169	210	217	238	255	266	275	288	(X)	(X)	(X)
Public television stations	260	281	290	293	299	300	304	316	(X)	(X)	(X)
Total income	**364.8**	**603.5**	**704.9**	**768.9**	**845.2**	**899.2**	**974.2**	**1,101.3**	**100.0**	**100.0**	**100.0**
Federal government	92.3	163.2	192.5	193.7	197.6	163.7	167.0	178.6	25.3	27.3	16.3
State and local government [1]	156.8	245.5	271.6	277.5	301.0	318.3	334.5	363.0	42.9	38.5	33.0
Subscribers and auction/marathon	42.3	86.1	102.3	130.8	162.5	196.4	215.2	246.7	11.6	14.5	22.4
Business and industry	25.1	57.9	72.4	86.8	100.5	119.8	144.7	170.8	6.9	10.3	15.5
Foundation	28.7	20.4	23.5	19.3	22.1	24.9	27.8	43.7	7.9	3.3	4.0
Other	19.8	30.4	42.6	60.8	61.5	76.0	85.0	97.5	5.4	6.0	8.8

X Not applicable. [1] Includes income received from State colleges and universities, and, beginning 1979 from other tax supported colleges and universities.

Source: Corporation for Public Broadcasting (CPB), Washington, DC, *Public Broadcasting Income, Fiscal Year, 1985*, and unpublished data.

No. 887. Cable Television—Systems and Subscribers: 1952 to 1987

[**Subscribers in thousands, except percent.** Estimated]

YEAR (As of Jan. 1)	Systems	Subscribers	YEAR (As of Jan. 1)	Systems	Subscribers	SUBSCRIBER SIZE-GROUP	Number of—[1] Systems	Number of—[1] Subscribers	Percent of—[1] Systems	Percent of—[1] Subscribers
1952	70	14	1977	3,832	11,900	**1987, total** [2]	**7,325**	**38,762**	**100.00**	**100.00**
1955	400	150	1978	3,875	13,000	50,000 and over	138	11,642	1.88	30.03
1960	640	650	1979	4,150	14,100	20,000–49,999	326	9,850	4.45	25.67
1965	1,325	1,275	1980	4,225	16,000	10,000–19,999	467	6,554	6.38	16.91
1969	2,260	3,600	1981	4,375	18,300	5,000–9,999	628	4,398	8.57	11.35
1970	2,490	4,500	1982	4,825	21,000	3,500–4,999	382	1,603	5.22	4.14
1971	2,639	5,300	1983	5,600	25,000	1,000–3,499	1,659	3,200	22.65	8.25
1972	2,841	6,000	1984	6,200	30,000	500–999	1,128	801	15.40	2.07
1973	2,991	7,300	1985	6,600	32,000	250–499	1,117	404	15.25	1.04
1974	3,158	8,700	1986	7,600	37,500	Less than 250	1,480	209	20.20	.54
1975	3,506	9,800	1987	7,900	39,700					
1976	3,681	10,800								

[1] As of April 1, 1987. [2] Excludes 511 systems not available by subscriber size-group.

Source: Television Digest, Inc., Washington, DC, *Television & Cable Factbook*, annual. (Copyright.)

Digitized by Google

No. 888. Cable and Pay TV—Summary, 1955 to 1985, and Projections, 1990 and 1995

[Cable TV for calendar year. Pay TV as of Dec. 31 of year shown]

Year	Cable TV				Pay TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue [1] (mil. dol.)		Units [2] (1,000)		Monthly rate (dol.)		Pay cable units per 1,000	
			Total	Basic	Total	Pay cable	Total	Pay-cable	Home passed	Basic cable subscribers
1955	250	5.00	20	20	(x)	(x)	(x)	(x)	(x)	(x)
1960	750	5.00	50	50	(x)	(x)	(x)	(x)	(x)	(x)
1965	1,500	5.00	95	95	(x)	(x)	(x)	(x)	(x)	(x)
1970	5,100	5.50	345	345	(x)	(x)	(x)	(x)	(x)	(x)
1975	9,800	6.50	804	774	469	469	(x)	7.85	111	236
1976	11,000	6.75	972	901	1,021	978	(NA)	7.87	106	223
1977	12,200	7.00	1,163	1,034	1,733	1,642	8.12	7.92	122	253
1978	13,400	7.25	1,424	1,176	3,580	3,289	8.62	8.09	179	350
1979	15,000	7.50	1,814	1,362	6,409	5,732	9.37	8.44	223	413
1980	17,500	7.75	2,436	1,647	10,389	9,144	9.78	8.80	279	506
1981	21,500	7.95	3,460	2,091	17,521	15,450	10.13	9.02	376	688
1982	25,400	8.25	4,705	2,564	23,179	20,791	10.36	9.57	462	840
1983	29,450	8.74	6,042	3,144	28,115	26,418	10.25	9.84	473	843
1984	32,800	9.20	7,396	3,628	31,027	29,966	10.32	10.08	495	875
1985	35,444	10.25	8,655	4,508	31,056	30,598	10.53	10.42	473	835
1990, proj	45,680	12.87	13,376	7,053	(NA)	42,520	(NA)	11.37	532	910
1995, proj	54,780	17.22	20,962	11,317	(NA)	55,470	(NA)	12.56	648	1,000

NA Not available. X Not applicable. [1] Includes installation revenue. [2] Individual program services sold to subscribers.

Source: Paul Kagan Associates, Inc., Carmel, CA, *The Cable TV Financial Databook*, annual. (Copyright.)

No. 889. Radio and Television Stations Owned by Newspapers and/or Magazines: 1961 to 1986

Date	AM radio	FM radio	TV	Date	AM radio	FM radio	TV	Date	AM radio	FM radio	TV
61, Sept. 1	412	147	161	1973, Dec. 1	304	211	179	1980, Dec. 1	315	264	230
65, Oct. 31	391	170	174	1974, Dec. 1	321	236	193	1981, Dec. 1	311	277	246
68, Dec. 4	361	191	189	1975, Dec. 1	320	238	197	1982, Dec. 1	300	283	251
69, Dec. 1	394	245	189	1976, Dec. 1	336	322	209	1983, Dec. 1	288	257	248
71, Feb. 1	402	248	191	1977, Dec. 1	314	238	211	1984, Dec. 1	268	256	255
71, Dec. 1	318	209	176	1978, Dec. 1	319	252	221	1985, Dec. 1	264	255	253
72, Dec. 1	325	171	178	1979, Dec. 1	318	257	226	1986, Dec. 1	232	226	272

ource: Broadcasting Publications Inc., Washington, DC, *Broadcasting Cablecasting Yearbook*. (Copyright.)

No. 890. Publishing Industry—Summary: 1977 to 1985

millions of dollars, except as noted. Number in parentheses represents Standard Industrial Classification code; see text, ction 13. Based on the censuses of manufactures and the 1985 Survey of Manufactures; for details, see source and Appendix

Item	Newspapers (271)			Periodicals (272)			Books (273)		
	1977	1982	1985	1977	1982	1985	1977	1982	1985
ishments, number	8,867	8,846	(NA)	2,994	3,328	(NA)	1,744	2,130	(NA)
h 20 or more employees	2,147	2,555	(NA)	525	690	(NA)	345	420	(NA)
yees [1] (1,000)	350	402	411	70	94	96	60	67	71
ll	4,306	8,555	7,905	1,020	1,986	2,555	830	1,327	1,672
of receipts	13,056	21,276	27,015	6,057	11,478	15,246	4,794	7,740	10,196
f materials	3,539	8,006	8,585	2,289	4,568	5,580	1,544	2,420	3,021
added by manufacture [2]	9,519	15,275	20,426	3,763	8,911	9,678	3,262	5,292	7,396
apital expenditures	478	1,029	1,430	79	195	340	80	174	232
assets, gross value	5,026	8,701	11,378	725	1,370	2,052	680	1,109	1,432
ories, yearend	382	755	834	350	724	818	992	1,380	1,895

Not available. [1] Represents the average number of production workers plus the number of other employees in mid- [2] Derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from ue of shipments. This result is then adjusted by the addition of value added by merchandising operations, plus the net in finished goods and work-in-process inventories between the beginning and the end of the year.

ce: U.S. Bureau of the Census, *Census of Manufactures, 1982*, Industry Reports, series MC82-I-27A, and *1985 Annual of Manufactures*, M85(AS)-1.

Digitized by Google

No. 891. Newspapers and Periodicals—Number, by Type: 1960 to 1987

[Data refer to year of compilation of the Directory cited as the source, i.e., generally to year preceding year shown. See also *Historical Statistics, Colonial Times to 1970*, series R 232–243]

TYPE	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986	1987
Newspapers [1]	**11,315**	**11,383**	**11,383**	**11,400**	**9,620**	**9,183**	**9,205**	**9,151**	**9,134**	**9,144**	**9,031**
Semiweekly	324	357	423	506	537	496	508	525	517	495	510
Weekly	8,979	8,989	8,903	8,824	7,159	6,806	6,855	6,798	6,811	6,857	6,750
Daily	1,854	1,843	1,838	1,819	1,744	1,740	1,735	1,711	1,701	1,651	1,646
Periodicals [1]	**8,422**	**8,990**	**9,573**	**9,657**	**10,236**	**10,688**	**10,952**	**10,809**	**11,090**	**11,328**	**11,593**
Weekly	1,580	1,716	1,856	1,918	1,716	1,672	1,626	1,378	1,367	1,383	1,400
Semimonthly [2]	527	550	589	537	645	689	724	658	801	789	858
Monthly	4,113	4,195	4,314	4,087	3,985	4,078	4,108	4,096	4,088	4,066	4,031
Bimonthly	743	876	957	1,009	1,114	1,237	1,307	1,348	1,361	1,387	1,402
Quarterly	695	1,030	1,108	1,093	1,444	1,554	1,627	1,711	1,759	1,895	1,984

[1] Includes other not shown separately. [2] Includes fortnightly (every two weeks).

Source: Gale Research Co., Ft. Lauderdale, FL, *Gale Directory of Publications, 1987*. (Copyright.)

No. 892. Number and Circulation of Daily and Sunday Newspapers: 1960 to 1986

[Number of newspapers as of the following dates: **1960, Oct. 1; 1965, Jan. 1; 1970–1985, Feb. 1** of the following year. Circulation figures as of **Sept. 30,** except **1960 and 1965** as of **Oct. 1.** For English language newspapers only. See also *Historical Statistics, Colonial Times to 1970*, series R 224–231]

TYPE	1960	1965	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
NUMBER OF NEWSPAPERS													
Daily: Total [1]	1,763	1,751	1,748	1,756	1,756	1,763	1,745	1,730	1,711	1,701	1,688	1,676	1,657
Morning	312	320	334	339	355	382	387	406	434	446	458	462	499
Evening	1,459	1,444	1,429	1,436	1,419	1,405	1,388	1,352	1,310	1,264	1,257	1,220	1,188
Sunday	563	562	586	639	696	720	736	755	768	772	783	798	802
CIRCULATION (mil.)													
Daily: Total [1]	58.9	60.4	62.1	60.7	62.0	62.2	62.2	61.4	62.5	62.6	63.1	62.8	62.5
Morning	24.0	24.1	25.9	25.5	27.7	28.6	29.4	30.6	33.2	33.6	35.4	36.4	37.4
Evening	34.9	36.3	36.2	35.2	34.3	33.6	32.6	30.9	29.3	28.6	27.7	26.4	25.1
Sunday	47.7	48.6	49.2	51.1	54.0	54.4	54.7	55.2	56.3	56.7	57.5	58.6	58.9

[1] All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening.

Source: Editor & Publisher Co. Inc., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

No. 893. Number and Circulation of Daily Newspapers, by Population-Size Class of City: 1970 to 1986

[Number of newspapers as of **Feb. 1** of the following year. Circulation as of **Sept. 30.** For English language newspapers only. See table 37 for number of cities by population size]

TYPE OF DAILY AND POPULATION-SIZE CLASS	NUMBER [1]						NET PAID CIRCULATION [1] (1,000)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Morning dailies, total	**334**	**339**	**387**	**458**	**462**	**499**	**25,934**	**25,491**	**29,413**	**35,424**	**36,361**	**37,441**
In cities of—												
1,000,001 or more	15	14	20	14	22	23	7,667	7,159	8,795	4,641	9,367	10,167
500,001 to 1,000,000	26	25	27	24	24	27	5,747	5,581	5,705	6,609	6,897	7,331
100,001 to 500,000	91	89	99	128	121	124	8,169	7,836	8,996	16,876	12,197	12,067
50,001 to 100,000	85	89	75	83	87	88	2,220	2,619	2,973	3,402	3,653	3,701
25,001 to 50,000	59	67	64	74	83	86	1,317	1,422	1,701	1,994	2,145	2,257
Less than 25,000	78	75	102	135	145	151	814	874	1,243	1,897	2,099	1,897
Evening dailies, total	**1,429**	**1,436**	**1,388**	**1,257**	**1,220**	**1,188**	**36,231**	**35,166**	**32,788**	**27,657**	**26,407**	**25,061**
In cities of—												
1,000,001 or more	12	12	11	7	8	9	4,716	4,156	2,984	1,794	2,189	1,977
500,001 to 1,000,000	24	24	23	15	14	14	4,807	4,573	4,101	1,949	1,626	1,626
100,001 to 500,000	129	127	123	112	102	98	10,034	8,918	8,178	7,857	6,987	6,429
50,001 to 100,000	178	175	156	133	127	122	5,221	5,379	4,896	4,177	3,942	3,767
25,001 to 50,000	250	248	246	236	229	225	4,766	4,898	5,106	4,789	4,606	4,542
Less than 25,000	836	850	829	754	740	720	6,667	7,242	7,523	7,087	7,075	6,719

[1] All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.

Source: Editor & Publisher Co. Inc., New York, NY, *Editor & Publisher International Year Book*, annual. (Copyright.)

Digitized by Google

No. 894. Daily and Sunday Newspapers—Number and Circulation, by State: 1986

[Number of newspapers as of **Feb. 1** of the following year. Circulation figures as of **Sept. 30**. For English language newspapers only]

State	Daily			Sunday		State	Daily			Sunday	
	Number	Circulation [1]		Number	Net paid circulation (1,000)		Number	Circulation [1]		Number	Net paid circulation (1,000)
		Net paid (1,000)	Per capita [2]					Net paid (1,000)	Per capita [2]		
Total	**1,657**	**62,502**	**.26**	**802**	**58,925**	Missouri	48	1,253	.25	19	1,249
						Montana	11	192	.23	7	190
Alabama	28	758	.18	20	763	Nebraska	19	472	.29	7	435
Alaska	8	131	.23	4	141	Nevada	7	253	.25	4	304
Arizona	19	675	.20	11	714	New Hampshire	9	215	.20	4	139
Arkansas	32	504	.21	16	535	New Jersey	26	1,714	.23	17	1,846
California	117	6,221	.22	61	6,150	New Mexico	20	302	.20	13	272
Colorado	27	941	.28	10	1,117	New York	73	7,707	.44	33	5,747
Connecticut	24	696	.28	11	816	North Carolina	54	1,427	.22	29	1,326
Delaware	3	144	.22	2	162	North Dakota	10	188	.27	6	173
District of Columbia	3	2,311	3.90	1	1,079	Ohio	87	2,828	.27	31	2,774
Florida	49	2,888	.23	33	3,329	Oklahoma	51	796	.23	43	902
Georgia	36	1,099	.18	16	1,184	Oregon	20	654	.24	10	647
Hawaii	6	237	.21	6	250	Pennsylvania	91	3,321	.28	23	2,907
Idaho	12	205	.20	8	217	Rhode Island	7	303	.31	3	302
Illinois	70	2,652	.23	24	2,699	South Carolina	18	639	.18	11	631
Indiana	74	1,546	.28	20	1,286	South Dakota	12	165	.23	4	129
Iowa	37	753	.27	11	751	Tennessee	28	979	.20	15	1,050
Kansas	46	545	.22	18	498	Texas	109	3,627	.21	96	4,333
Kentucky	25	711	.19	13	655	Utah	6	287	.17	6	326
Louisiana	27	792	.17	21	898	Vermont	8	123	.22	3	90
Maine	9	291	.24	2	178	Virginia	36	1,187	.20	15	939
Maryland	15	688	.15	4	570	Washington	26	1,145	.25	14	1,128
Massachusetts	46	2,134	.37	11	1,727	West Virginia	23	446	.23	10	398
Michigan	52	2,549	.28	15	2,468	Wisconsin	35	1,190	.25	13	1,044
Minnesota	25	917	.22	12	1,046	Wyoming	10	99	.19	4	75
Mississippi	23	402	.15	12	334						

[1] Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. [2] Per capita based on total resident population estimated as of Dec. 31, 1986.

Source: Editor & Publisher Co., Inc., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

No. 895. Copyright Registration, by Subject Matter: 1980 to 1986

[**In thousands.** For years ending **Sept. 30**. Comprises claims to copyright registered for both U.S. and foreign works. See also *Historical Statistics, Colonial Times to 1970*, series W 82-95]

Subject matter of copyright	1980	1985	1986	Subject matter of copyright	1980	1985	1986
Total	**464.7**	**539.8**	**561.0**	Renewals	33.0	43.8	45.3
				Musical works	120.2		
Monographs [1]	119.2	154.5	148.2	Dramatic works, including any accompanying music	8.0	147.9	156.3
Machine readable works	1.9			Choreography and pantomimes	(Z)		
Semiconductor chip products	(x)	.9	1.0	Motion pictures and filmstrips	8.5		
Serials	117.9	120.0	130.0	Works of the visual arts [2]	42.8	50.0	51.2
Sound recordings	12.8	22.7	29.0				

X Not applicable. Z Less than 50. [1] Includes computer software. [2] Two-dimensional works of fine and graphic art, including prints and art reproductions; sculptural works; technical drawings and models; photographs; commercial prints and labels; works of applied arts, cartographic works and multimedia works.

Source: The Library of Congress, *Annual Report*.

No. 896. Advertising—Estimated Expenditures: 1950 to 1986

[**In millions of dollars.** See also *Historical Statistics, Colonial Times to 1970*, series T 444-446]

Year	Total	National	Local	Year	Total	National	Local	Year	Total	National	Local
1950	5,700	3,260	2,440	1973	24,980	13,700	11,280	1980	53,550	29,815	23,735
1955	9,150	5,380	3,770	1974	26,620	14,700	11,920	1981	60,430	33,890	26,540
1960	11,960	7,305	4,655	1975	27,900	15,200	12,700	1982	66,580	37,785	28,795
1965	15,250	9,340	5,910	1976	33,300	18,355	14,945	1983	75,850	42,525	33,325
1970	19,550	11,350	8,200	1977	37,440	20,595	16,845	1984	87,820	49,690	38,130
1971	20,700	11,755	8,945	1978	43,330	23,720	19,610	1985	94,750	53,355	41,395
1972	23,210	12,980	10,230	1979	48,780	26,695	22,085	1986	102,140	56,850	45,290

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. in *Advertising Age* (copyright).

Digitized by Google

NO. 897. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1960 TO 1986

[1967 = 100. Based on the average monthly expenditure for those major media which give national coverage. See also *Historical Statistics, Colonial Times to 1970*, series T 472-484]

MEDIUM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
General index	**67**	**112**	**143**	**236**	**269**	**298**	**333**	**369**	**414**	**486**	**503**	**526**
Network television	56	114	158	273	316	353	383	427	482	586	589	589
Spot television	53	125	164	261	291	330	378	441	485	555	608	665
Magazines	73	104	118	209	236	253	264	298	340	396	414	427
Weeklies	81	95	94	178	204	218	245	255	294	342	353	357
Women's	65	107	130	238	259	277	302	321	374	429	459	488
Monthlies	64	120	155	246	280	304	347	368	404	480	501	517
Newspapers	92	105	131	182	209	232	267	290	323	364	396	399

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. In *Advertising Age* (copyright).

NO. 898. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1970 TO 1986

[**In millions of dollars, except percent.** See text, section 18 for a discussion of types of advertising. See also *Historical Statistics, Colonial Times to 1970*, series R 106-109, R 123-126, and T 444-471]

MEDIUM	EXPENDITURES							PERCENT			
	1970	1980	1981	1982	1983	1984	1985	1986	1970	1980	1985	1986
Total	**19,550**	**53,550**	**60,430**	**66,580**	**75,850**	**87,820**	**94,750**	**102,140**	**100.0**	**100.0**	**100.0**	**100.0**
National	11,350	29,815	33,890	37,785	42,525	49,690	53,355	56,850	58.1	55.7	56.3	55.7
Local	8,200	23,735	26,540	28,795	33,325	38,130	41,395	45,290	41.9	44.3	43.7	44.3
Newspapers	5,704	14,794	16,526	17,694	20,582	23,522	25,170	26,990	29.2	27.8	26.5	26.4
National	891	1,963	2,259	2,452	2,734	3,061	3,352	3,376	4.6	3.7	3.5	3.3
Local	4,813	12,831	14,269	15,242	17,848	20,441	21,818	23,614	24.6	24.0	23.0	23.1
Magazines	1,292	3,149	3,533	3,710	4,233	4,932	5,155	5,317	6.6	5.9	5.4	5.2
Weeklies	617	1,416	1,596	1,659	1,917	2,224	2,297	2,327	3.2	2.6	2.4	2.3
Women's	301	782	853	904	1,056	1,209	1,294	1,376	1.5	1.5	1.4	1.3
Monthlies	374	949	1,082	1,147	1,260	1,499	1,564	1,614	1.9	1.8	1.6	1.6
Farm publications	62	130	146	148	163	181	188	192	.3	.2	.2	.2
Television	3,596	11,424	12,811	14,586	16,542	19,670	20,770	22,585	18.4	21.3	21.9	22.1
Network	1,658	5,130	5,575	6,210	7,017	8,526	8,265	8,570	8.5	9.6	8.8	8.4
Spot	1,234	3,269	3,748	4,364	4,827	5,488	6,004	6,570	6.3	6.1	6.3	6.4
Cable (National)	(NA)	50	105	195	303	492	637	752	(NA)	.1	.7	.7
Local	704	2,967	3,368	3,765	4,345	5,084	5,714	6,514	3.6	5.5	6.0	6.4
Cable (Local)	(NA)	8	17	32	50	80	130	179	(NA)	(Z)	.1	.2
Radio	1,308	3,702	4,230	4,670	5,210	5,817	6,490	6,949	6.7	6.9	6.9	6.8
Network	56	183	230	255	296	320	365	429	.3	.3	.4	.4
Spot	371	779	879	923	1,038	1,197	1,335	1,348	1.9	1.5	1.4	1.3
Local	881	2,740	3,121	3,492	3,876	4,300	4,790	5,178	4.5	5.1	5.1	5.1
Direct mail	2,766	7,596	8,944	10,319	11,795	13,800	15,500	17,145	14.1	14.2	16.4	16.8
Business papers	740	1,674	1,841	1,876	1,990	2,270	2,375	2,382	3.8	3.1	2.5	2.3
Outdoor	234	578	650	721	794	872	945	965	1.2	1.1	1.0	1.0
Miscellaneous	3,848	10,503	11,747	12,876	14,541	16,756	18,159	19,595	19.7	19.6	19.2	19.2

NA Not available Z Less than .05

Source: McCann-Erickson, Inc., New York, NY. Compiled for Crain Communications, Inc. In *Advertising Age* (copyright). Percentages derived by U.S. Bureau of the Census.

NO. 899. MAGAZINE ADVERTISING—EXPENDITURES, BY PRODUCT TYPE: 1970 TO 1986

[**In millions of dollars, except percent.** Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1970	1980	1981	1982	1983	1984	1985	1986	PERCENT DISTRIBUTION		
									1970	1980	1986
Expenditures	**1,193**	**2,846**	**3,223**	**3,421**	**3,939**	**4,668**	**4,961**	**5,120**	**100.0**	**100.0**	**100.0**
Apparel, footwear, and accessories	51	112	141	154	206	240	251	291	4.3	3.9	5.7
Automotive [1]	97	230	290	333	405	473	549	597	8.1	8.0	11.7
Beer, wine, and liquor	98	239	252	258	243	230	240	225	8.2	8.4	4.4
Computers, office equipment, stationery	32	79	103	141	194	321	250	218	2.7	2.8	4.3
Consumer services [2]	74	190	206	233	329	411	463	484	6.2	6.7	9.5
Drugs and remedies	38	79	88	89	105	129	135	148	3.2	2.8	2.9
Food and food products	86	199	213	240	263	289	342	389	7.2	7.0	7.6
Household equipment and supplies	34	65	82	86	81	98	100	93	2.8	2.3	1.8
Household furnishings	38	73	83	81	94	94	87	103	3.2	2.0	2.0
Jewelry, optical goods, camera	30	79	89	80	95	107	101	113	2.5	2.8	2.2
Mail orders	(NA)	(NA)	(NA)	(NA)	(NA)	292	328	357	(NA)	(NA)	7.0
Publishing and media	36	146	149	159	182	159	188	180	3.2	5.1	3.5
Retail	53	(NA)	(NA)	(NA)	(NA)	128	121	146	4.4	(NA)	2.9
Smoking materials	65	290	314	358	398	423	383	322	5.4	10.2	6.3
Toiletries and toilet goods	119	208	230	241	279	334	385	390	10.0	7.2	7.6
Travel, hotels, and resorts	54	123	137	153	174	212	245	249	4.5	4.3	4.9
All other	289	736	844	838	891	728	793	815	24.2	25.9	15.9

NA Not available [1] Includes accessories and equipment [2] Includes business services

Source: Magazine Publishers Association, Inc., New York, NY, from data compiled by Publishers Information Bureau, Inc.

Digitized by Google

No. 900. Television—Expenditures for Network Advertising: 1980 to 1986

[In millions of dollars. See text, section 18 for a definition of network advertising]

TYPE OF PRODUCT	1980	1984	1985	1986
Expenditures	**5,147**	**8,555**	**8,313**	**8,600**
Apparel, footwear, and accessories	131	237	161	181
Automotive	529	806	848	927
Beer and wine	242	448	428	535
Building material, equipment, fixtures	59	105	97	88
Computers, office equipment, and stationery	57	374	249	222
Confectionery, soft drinks	281	393	388	359
Consumer services	178	369	303	379
Dept. and discount stores	94	215	161	139
Food and food products	844	1,365	1,502	1,513
Freight and industrial development	7	53	40	27
Gas, lubricants, etc.	71	56	49	45
Home electronics equipment	50	79	36	40
Horticulture	15	29	30	29
Household equipment, supplies, and furnishings	225	266	275	335
Insurance	74	109	99	131
Financial planning services	20	66	60	79
Jewelry and cameras [1]	119	140	129	139
Laundry soaps, cleansers, and polishes	306	367	397	398
Movies	103	167	138	143
Pet products	144	175	175	157
Proprietary medicines	430	670	700	781
Publishing and media	34	58	50	49
Restaurants and drive-ins	132	352	416	439
Tobacco products and supplies	8	10	6	1
Toiletries and toilet goods	765	978	955	874
Toys and sporting goods	93	165	152	138
Travel, hotels, and resorts	72	106	102	113
All other	64	393	367	359

[1] Includes optical goods.

No. 901. Television—Estimated Time Charges for Spot Advertising: 1980 to 1986

[In millions of dollars. Data represent activity in the top 75 markets monitored by Broadcast Advertisers Reports, Inc. (BAR), currently covering approximately 329 stations. See text, section 18 for a definition of types of advertising]

TYPE OF PRODUCT	1980	1984	1985	1986 [1]
Estimated time charges	**2,496**	**4,164**	**4,504**	**4,929**
Agriculture and farming	15	19	17	24
Apparel, footwear, and accessories	105	113	95	64
Automotive	228	563	683	934
Beer and wine	156	204	218	243
Building material, equipment, and fixtures	47	56	58	68
Computers, office equipment, and stationery	15	63	25	34
Confectionery, soft drinks	212	335	355	376
Consumer services	83	222	262	304
Food and food products	507	885	927	977
Freight and industrial development	5	21	36	50
Gasoline, lubricants, etc	50	104	102	111
Home electronics equipment	73	76	67	79
Horticulture	35	39	37	38
Household equipment, supplies, and furnishings	133	215	217	200
Insurance	34	67	88	118
Jewelry, optical goods, and cameras	55	70	68	58
Laundry soaps, polishes	111	144	175	160
Pet products	33	56	60	55
Proprietary medicines	93	148	148	144
Publishing and media	78	127	147	167
Tobacco products, suppliers	8	14	14	15
Toiletries and toilet goods	223	263	267	230
Toys and sporting goods	104	141	211	212
Travel, hotels, and resorts	76	183	187	230
All other	17	36	40	38

[1] Excludes National Syndicated activity; therefore, not completely comparable to prior years.

No. 902. Television—Expenditures for Retail/Local Advertising: 1980 to 1986

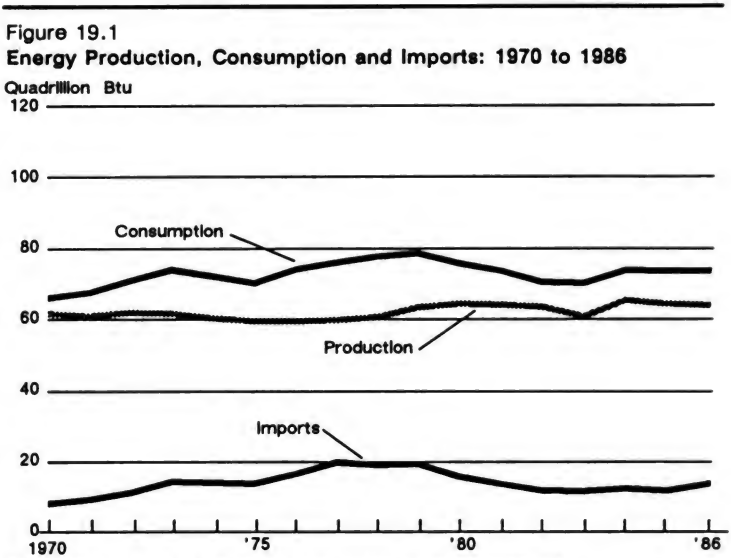
[In millions of dollars. See headnote, table 901]

TYPE OF PRODUCT	1980	1984	1985	1986
Expenditures	**1,983**	**3,485**	**3,899**	**4,445**
Amusements, entertainment	68	104	121	128
Appliance stores, repair	38	89	122	142
Auto repair, service stations	28	61	73	80
Auto supply, accessory stores	12	36	41	39
Auto, truck dealers	99	257	311	339
Banks, S&L associations	141	198	195	210
Builders, real estate	26	42	41	38
Carpet, floor covering stores	24	36	40	44
Clothing stores	46	73	82	112
Department stores	131	168	186	177
Discount department stores	74	93	115	113
Drug stores	26	57	67	78
Education services	17	49	70	86
Food stores, supermarkets	149	244	259	303
Furniture stores	111	165	187	195
Gas, electric, water companies	16	33	38	42
Hardware stores	19	23	20	17
Health clubs, reducing salons	21	32	39	42
Home building contractors building supplies	35	77	91	93
Hotels, resorts, U.S	18	56	62	73
Financial planning services	7	28	29	34
Jewelry stores	19	24	25	27
Legal services	5	28	38	47
Leisure time stores and services	42	84	107	118
Loan, mortgage companies	12	20	25	24
Mail order, catalog showrooms	13	22	23	16
Medical, dental services	13	62	87	114
Movies	102	86	103	135
Newspapers	15	29	32	33
Optical services, supplies	14	19	28	47
Political	70	104	22	161
Radio, cable TV	69	129	134	147
Rental services (non-auto)	15	34	38	43
Restaurants, drive-ins	288	578	672	745
Shoe stores	27	38	37	43
Shopping centers, ass'ns	13	20	20	21
Sport, hobby, toy stores	23	44	41	40
All other	137	241	278	299

Source of tables 900–902: Television Bureau of Advertising, Inc., New York, NY. Data compiled by Broadcast Advertisers Reports, Inc., New York, NY in the top 75 markets.

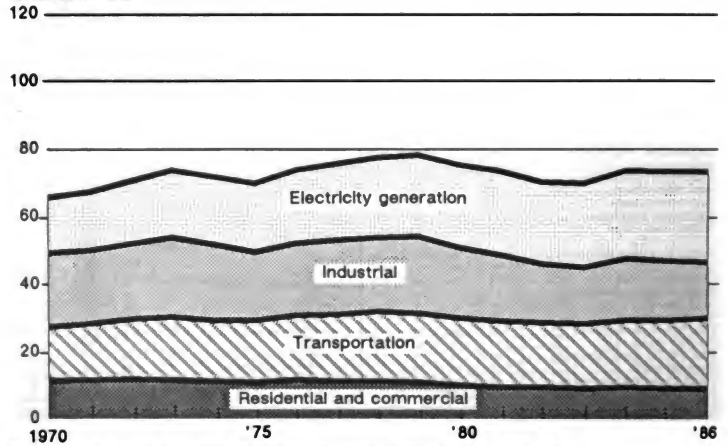
Digitized by Google

Figure 19.1
Energy Production, Consumption and Imports: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 905.

Figure 19.2
Primary Energy Resources–Consumption by Major Consumer Group: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 908.

Digitized by Google



Section 19

Energy

This section presents statistics on fuel resources, energy production and consumption, electric energy, hydroelectric power, nuclear power, solar energy, wood energy and the electric and gas utility industries. The principal sources are the U.S. Department of Energy's Energy Information Administration (EIA), the Edison Electric Institute, Washington, DC, and the American Gas Association, Arlington, VA. The Department of Energy was created in October 1977 and assumed and centralized the responsibilities of all or part of several agencies including the Federal Power Commission (FPC), the U.S. Bureau of Mines, the Federal Energy Administration, and the U.S. Energy Research and Development Administration. For additional data on transportation, see section 21; on fuels, see section 25; and on energy-related housing characteristics, see section 26.

The EIA, in its *Annual Energy Review,* provides statistics and trend data on energy supply, demand, and prices. Information is included on petroleum and natural gas, coal, electricity, hydroelectric power, nuclear power, and solar and geothermal energy. Among its annual reports are *Annual Energy Review, Electric Power Annual, Natural Gas Annual, Petroleum Supply Annual, State Energy Data Report, Energy Price and Expenditure Report, Financial Statistics of Selected Electric Utilities, Historical Capital Costs and Annual Production Expenses, Residential Energy Consumption Survey, Performance Profiles of Major Energy Producers, Typical Electric Bills, Annual Energy Outlook,* and *International Energy Annual.* These various publications contain State, national, and international data on production of electricity, net summer capability of generating plants, fuels used in energy production, energy sales and consumption, hydroelectric power, construction costs and production expenses of power plants, and depreciation practices. The EIA also issues the *Monthly Energy Review,* which presents current supply, disposition, and price data, and separate weekly and monthly publications on petroleum, coal, natural gas, and electric power. Data on residential energy consumption, expenditures, and conservation activities are available from EIA's Residential Energy Consumption Survey and are published in *Residential Energy Consumption Survey: Consumption and Expenditures,* and *Residential Energy Consumption Survey: Conservation,* and several other reports.

The Edison Electric Institute's monthly bulletin and annual *Statistical Year Book of the Electric Utility Industry for the Year* contain data on the distribution of electric energy by public utilities; information on the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment is presented in the annual *Year End Summary of the Electric Power Situation in the United States.* The American Gas Association, in its monthly and quarterly bulletins and its yearbook, *Gas Facts,* presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics. A wide range of petroleum statistics is provided in the American Petroleum Institute publication *Basic Petroleum Data Book.*

Btu conversion factors.—Various energy sources are converted from original units (e.g., short tons, cubic feet, barrels, kilowatthours) to the thermal equivalent using British thermal units (Btu). A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F. Factors are calculated annually from the latest final annual data available; some are revised as a result. The following list provides conversion factors used in 1985 for production and consumption, in that order, for various fuels: Petroleum, 5.800 and 5.387 mil. Btu per barrel; total coal, 21.874 and 21.370 mil. Btu per short ton; and natural gas (dry), 1,033 and 1,033 Btu per cubic foot. The factors for the production of nuclear power and geothermal energy were 10,809 and 21,263 Btu per kilowatthour, respectively. The fossil fuel steam-electric power plant generation factor of 10,339 Btu per kilowatthour was used for hydroelectric power generation and for wood and waste, wind, photovoltaic, and solar thermal energy consumed at electric utilities.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Digitized by Google

No. 903. Total Horsepower of All Prime Movers: 1950 to 1986

[**In millions, except percent.** As of **January,** except as noted. Prior to 1960, excludes Alaska and Hawaii, except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or force (as wind or falling water) into work and power. Electric motors, which obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1970*, series S 1–14]

YEAR	Total horsepower	AUTOMOTIVE [1] [2]		NONAUTOMOTIVE								
		Total	Percent of total	Total	Factories [3]	Mines [3]	Railroads [4]	Merchant ships and sailing vessels	Farms	Electric central stations [3]	Aircraft [4] [5]
1950	4,868	4,404	90.5	464	33	22	111	[6] 23	165	88	[6] 22
1955	7,158	6,632	92.7	526	36	31	60	[6] 24	212	138	[6] 26
1960	11,008	10,367	94.2	641	42	35	47	24	240	217	37
1965	15,096	14,306	94.8	790	46	40	44	24	272	307	55
1970	20,408	19,325	94.7	1,083	54	45	54	22	290	435	183
1972	22,913	21,736	94.9	1,175	57	46	57	21	305	508	181
1973	24,262	23,029	94.9	1,233	58	46	57	20	308	562	182
1974	24,516	23,224	94.7	1,292	59	46	61	21	315	605	185
1975	25,100	23,752	94.6	1,348	60	47	62	22	316	654	185
1976	25,732	24,339	94.6	1,393	61	47	64	22	324	692	184
1977	26,469	25,025	94.5	1,444	62	47	62	23	328	728	194
1978	27,379	25,892	94.6	1,487	63	48	64	25	[7] 335	754	198
1979	28,162	26,617	94.5	1,545	63	48	62	26	342	803	201
1980	28,922	27,362	94.6	1,564	64	48	63	28	345	806	210
1981	29,507	27,909	94.6	1,598	64	48	65	29	345	835	212
1982	30,495	28,852	94.6	1,643	64	48	64	29	352	854	232
1983	31,337	29,662	94.7	1,675	64	47	62	29	356	877	240
1984	31,619	30,117	94.7	1,702	65	47	61	30	359	886	254
1985	32,529	30,792	94.7	1,737	65	47	58	29	358	912	268
1986	33,660	31,893	94.6	1,767	65	47	56	29	358	942	270

[1] Includes passenger cars, trucks, buses, and motorcycles. [2] As of July 1. [3] Beginning 1965, data are estimates. [4] Beginning 1965, not strictly comparable with earlier years. [5] Includes private planes and commercial airlines. [6] Includes Alaska and Hawaii. [7] Includes estimates of about 3.0 million hp in work animals and 30,000 in windmills.

Source: 1950 and 1955, The Twentieth Century Fund, New York, NY, J.F. Dewhurst and Associates, *America's Needs and Resources, A New Survey*, and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1958*. Beginning 1960, John A. Waring, Arlington, VA, unpublished estimates.

No. 904. Energy Production and Consumption, by Major Source: 1960 to 1986

[Btu = British thermal unit. For Btu conversion factors, see text, section 19. See also *Historical Statistics, Colonial Times to 1970*, series M 76–92]

YEAR	Total production (quad. Btu)	PERCENT OF PRODUCTION				Total consumption (quad. Btu)	PERCENT OF CONSUMPTION				Consumption/production ratio
		Coal	Petroleum [1]	Natural gas [2]	Other [3]		Coal	Petroleum [1]	Natural gas [2]	Other [3]	
1960	41.5	26.1	36.0	34.0	3.9	43.6	22.5	45.5	28.3	3.8	1.06
1961	42.0	24.9	36.2	34.9	4.0	44.5	21.6	45.5	29.1	3.8	1.06
1962	43.6	25.0	35.6	35.1	4.2	46.5	21.3	45.2	29.5	4.0	1.07
1963	45.9	25.8	34.8	35.4	4.0	48.3	21.5	44.9	29.8	3.7	1.05
1964	47.7	26.2	33.9	35.6	4.0	50.5	21.7	44.2	30.3	3.8	1.06
1965	49.3	26.5	33.5	35.8	4.3	52.7	22.0	44.1	29.9	4.0	1.07
1966	52.2	25.8	33.7	36.4	4.1	55.7	21.6	43.6	30.5	3.6	1.07
1967	55.0	25.1	33.9	36.5	4.4	57.6	20.7	43.9	31.2	4.2	1.05
1968	58.8	24.0	34.0	37.6	4.4	61.0	20.2	44.2	31.5	4.1	1.07
1969	59.1	23.5	33.1	38.7	4.8	64.2	19.3	44.1	32.2	4.4	1.09
1970	62.1	23.5	32.9	38.9	4.7	66.4	18.5	44.4	32.8	4.3	1.07
1971	61.3	21.5	32.7	40.5	5.3	67.9	17.1	45.0	33.1	4.6	1.11
1972	62.4	22.6	32.1	39.7	5.6	71.3	18.9	46.2	31.9	5.0	1.14
1973	62.1	22.5	31.4	39.9	6.2	74.3	17.5	46.9	30.3	5.3	1.20
1974	60.8	23.1	30.5	38.9	7.4	72.5	17.5	46.1	30.0	6.5	1.19
1975	59.9	25.0	29.6	36.8	6.6	70.5	17.9	46.4	28.3	7.4	1.18
1976	59.9	26.1	28.6	36.4	8.6	74.4	18.3	47.3	27.4	7.1	1.24
1977	60.2	26.2	29.0	36.4	8.5	76.3	18.2	48.7	26.1	7.0	1.27
1978	61.1	24.4	30.2	35.6	9.9	76.1	17.6	48.6	25.6	8.1	1.26
1979	63.6	27.5	28.4	35.0	9.1	76.9	19.1	47.1	26.2	7.7	1.24
1980	64.8	28.7	28.2	34.2	8.9	76.0	20.3	45.0	26.6	7.8	1.17
1981	64.4	28.5	28.2	34.2	9.1	74.0	21.5	43.2	26.9	6.4	1.15
1982	63.9	29.2	28.7	32.0	10.2	70.8	21.6	42.7	26.1	9.6	1.11
1983	61.2	28.2	30.1	30.6	11.2	70.5	22.6	42.6	24.6	10.2	1.15
1984	65.8	30.0	28.6	30.7	10.7	74.1	23.0	41.9	25.0	10.0	1.13
1985	64.8	30.0	29.3	29.6	11.3	74.0	23.6	41.8	24.1	10.4	1.14
1986	64.3	30.3	28.6	29.0	12.1	73.9	23.4	43.1	22.4	11.1	1.15

[1] Production includes crude oil and lease condensate. Consumption includes domestically produced crude oil, natural gas liquids, and lease condensate, plus imported crude oil and products. [2] Production includes natural gas liquids; consumption excludes natural gas liquids. [3] Comprised of hydropower, nuclear power, geothermal energy and other.

Source: U.S. Energy Information Administration, *Annual Energy Review*, and unpublished data.

Digitized by Google

No. 905. Energy Supply and Disposition, by Type of Fuel: 1960 to 1986

[In quadrillion British thermal units (Btu), except percent. For Btu conversion factors, see text, section 19]

TYPE OF FUEL	1960	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Production	41.5	62.1	62.1	59.9	61.1	63.8	64.8	64.4	63.9	61.2	65.8	64.6	64.3
Crude oil [1]	14.9	20.4	19.5	17.7	18.4	18.1	18.2	18.1	18.3	18.4	18.9	19.0	18.4
Natural gas liquids	1.5	2.5	2.6	2.4	2.2	2.3	2.3	2.3	2.2	2.2	2.3	2.2	2.2
Natural gas [2]	12.7	21.7	22.2	19.6	19.5	20.1	19.9	19.7	18.3	16.5	17.9	16.9	16.5
Coal	10.8	14.6	14.0	15.0	14.9	17.5	18.6	18.4	18.6	17.3	18.7	19.3	19.5
Nuclear power	(Z)	.2	.9	1.9	3.0	2.8	2.7	3.0	3.1	3.2	3.6	4.2	4.5
Hydropower	1.6	2.6	2.9	3.2	2.9	2.9	2.9	2.8	3.3	3.5	3.1	2.9	3.0
Geothermal and other	(Z)	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2
Net trade [3]	−2.7	−5.7	−12.7	−11.8	−17.3	−16.4	−12.2	−9.6	−7.5	−8.3	−9.0	−7.9	−10.1
Exports	1.5	2.7	2.1	2.4	1.9	2.9	3.7	4.3	4.6	3.7	3.6	4.2	4.0
Coal	1.0	1.9	1.4	1.8	1.1	1.8	2.4	2.8	2.8	2.0	2.2	2.4	2.3
Imports [4]	4.2	8.4	14.7	14.1	19.3	19.6	16.0	14.0	12.1	12.0	12.6	12.1	14.1
Crude oil	2.2	2.8	6.9	8.7	13.5	13.8	11.2	9.3	7.4	7.1	7.3	6.8	8.8
Consumption	43.8	66.4	74.3	70.6	78.1	78.9	76.0	74.0	70.8	70.5	74.1	74.0	73.9
Petroleum products	19.9	29.5	34.8	32.7	38.0	37.1	34.2	31.9	30.2	30.1	31.1	30.9	31.9
Natural gas [2]	12.4	21.8	22.5	19.9	20.0	20.7	20.4	19.9	18.5	17.4	18.5	17.9	16.5
Coal	9.8	12.3	13.0	12.7	13.8	15.0	15.4	15.9	15.3	15.9	17.1	17.5	17.3
Nuclear power	(Z)	.2	.9	1.9	3.0	2.8	2.7	3.0	3.1	3.2	3.6	4.2	4.5
Hydropower [5]	1.7	2.7	3.0	3.2	3.1	3.1	3.1	3.1	3.6	3.9	3.7	3.4	3.5
Geothermal and other	(Z)	(Z)	(Z)	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2

Z Less than 50 trillion. [1] Includes lease condensate. [2] Dry marketed gas. [3] Exports minus imports. [4] Includes other types, not shown separately. [5] Includes industrial generation of hydropower and net electricity imports.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

No. 906. Selected Energy Indicators—Summary: 1960 to 1986

[Btu = British thermal unit. For Btu conversion factors, see text, section 19]

YEAR	ANNUAL AVERAGE PERCENT CHANGE [1]								PER CAPITA [3] (mil. Btu)		Consumption per dollar GNP [4] (1,000 Btu)
	Energy production				Energy consumption						
	Total [2]	Crude oil [3]	Natural gas	Coal	Total [2]	Petroleum products	Natural gas (dry)	Coal	GNP [4]	Energy production	Energy consumption	
1960	1.4	.7	6.3	−2.6	2.4	2.9	6.6	−2.5	2.2	231	243	26.3
1965	3.5	2.0	4.5	3.8	3.8	3.1	4.9	3.3	4.6	255	272	25.2
1970	4.7	4.3	6.6	2.3	4.7	4.9	6.7	1.2	3.0	304	326	27.5
1971	−1.3	−1.8	2.8	−9.7	2.2	3.5	3.1	−5.4	2.8	296	328	27.3
1972	1.8	(Z)	−.3	6.9	5.0	7.6	1.0	4.1	5.0	298	340	27.3
1973	.6	2.7	1	.7	4.2	5.7	.6	7.4	5.2	294	351	27.1
1974	−2.0	−4.7	−4.4	.6	−2.3	−4.0	−3.5	−2.4	−.5	285	340	26.6
1975	−1.6	−4.5	−7.4	6.5	−2.8	−2.2	−8.2	(Z)	−1.3	278	327	26.2
1976	.1	−2.7	−.8	4.4	5.4	7.5	2.0	7.3	4.9	275	342	26.3
1977	.5	1.1	.5	.6	2.6	5.5	−2.1	2.5	4.7	274	347	25.8
1978	1.5	5.6	−.4	−5.4	2.4	2.3	.4	−1.1	5.3	275	352	25.1
1979	4.4	−1.8	3.0	17.6	1.0	−2.2	3.3	9.3	2.5	284	351	24.7
1980	1.5	.8	−.9	6.0	−3.7	−7.9	−1.3	2.5	−.2	285	334	23.8
1981	−.5	−.6	−1.1	−1.2	−2.6	−6.6	−2.3	3.1	1.9	281	322	22.8
1982	−.8	.9	−7.4	1.4	−4.3	−5.3	−7.1	−3.7	2.5	275	305	22.4
1983	−4.2	.5	−9.4	−7.5	−.5	−.6	−6.2	3.8	3.5	261	300	21.5
1984	7.6	2.5	8.5	14.3	5.1	3.3	6.6	7.4	6.4	278	312	21.2
1985	1.6	.7	−5.6	−2.0	−.1	−.4	−3.6	2.4	2.7	271	309	20.6
1986, prel.	−.8	−3.4	−2.5	.8	−1	3.1	−7.4	−.9	2.5	267	307	20.1

Z Less than .05 percent. [1] Represents annual average for period of intervals shown; for 1960, change from 1955. Percent change derived from Btu values. Minus sign indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Includes types of fuel or power not shown separately. [3] Includes lease condensate. [4] Gross national product in constant (1982) dollars, see table 668. [5] Based on resident population estimated as of July 1.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

Digitized by Google

No. 907. Energy Consumption—End-Use Sector and Selected Source, by State: 1985

[In trillions of Btu, except as indicated. For Btu conversion factors, see text, section 19. For composition of regions, see fig. I, inside front cover]

Region, division, and state	Total [1]	Per capita [2] (mil Btu)	Percent change, 1984–1985	End-use sector				Source				
				Residential	Commercial	Industrial	Transportation	Petroleum	Natural gas (dry)	Coal	Hydropower	Nuclear power
U.S	74,023	310	(Z)	15,263	11,582 [3]	27,056	20,123	30,925	17,869	17,520	3,363	4,147
Region:												
Northeast	11,523	231	.2	2,959	2,312	3,034	3,220	5,704	2,200	1,946	590	1,030
Midwest	18,868	319	.2	4,402	2,982	7,035	4,451	6,548	4,524	6,270	257	1,028
South	30,079	367	–.3	5,205	4,021	12,983	7,872	12,645	7,950	7,393	399	1,706
West	13,568	284	.5	2,700	2,266	4,021	4,583	6,032	3,199	1,911	2,115	387
New England	2,745	217	2.3	791	559	574	824	1,688	355	175	123	294
Maine	304	261	2.3	73	41	96	94	193	3	2	35	58
New Hampshire	200	200	3.2	61	28	49	63	123	11	39	21	–
Vermont	115	215	2.4	36	18	24	37	64	5	2	13	32
Massachusetts	1,240	213	1.8	362	274	221	383	762	224	111	47	66
Rhode Island	195	202	6.8	80	38	48	51	109	31	(Z)	4	–
Connecticut	691	218	1.6	199	160	136	196	437	81	21	3	136
Middle Atlantic	8,778	236	–.4	2,168	1,753	2,460	2,396	4,016	1,845	1,771	467	736
New York	3,373	190	4.2	913	912	702	845	1,604	795	305	460	260
New Jersey	2,134	282	–.6	464	379	501	790	1,215	392	102	[4] –3	192
Pennsylvania	3,271	276	–4.7	791	462	1,257	761	1,197	658	1,364	10	284
East North Central	13,250	318	–.2	3,063	2,070	5,193	2,924	4,325	3,245	4,537	47	708
Ohio	3,588	334	–1.5	789	521	1,524	755	1,130	764	1,394	2	21
Indiana	2,289	416	–1.1	412	243	1,116	518	748	436	1,192	4	–
Illinois	3,469	301	–2.1	839	673	1,229	728	1,138	989	801	1	423
Michigan	2,612	287	3.9	679	407	913	612	854	745	785	14	145
Wisconsin	1,292	271	2.1	344	226	411	311	455	311	365	26	119
West North Central	5,618	320	1.1	1,339	912	1,842	1,527	2,223	1,279	1,733	210	320
Minnesota	1,224	292	1.0	302	186	402	333	495	259	228	38	125
Iowa	920	319	–.1	226	148	326	220	341	227	268	21	21
Missouri	1,477	293	1.2	399	259	390	430	579	259	521	31	87
North Dakota	301	440	13.7	55	33	145	69	119	29	307	50	–
South Dakota	192	271	3.4	51	28	47	65	98	25	34	55	–
Nebraska	497	310	–1.0	125	105	127	141	195	125	115	15	45
Kansas	1,007	411	–.8	181	153	405	289	396	355	260	(Z)	42
South Atlantic	10,829	269	1.4	2,411	1,825	3,243	3,351	4,608	1,331	3,533	129	1,265
Delaware	205	330	–2.0	37	27	86	56	120	39	72	–	–
Maryland	1,129	257	–1.1	274	152	388	316	467	156	264	16	107
District of Columbia	165	265	–.1	35	70	30	30	40	29	4	–	–
Virginia	1,596	280	3.1	366	310	419	500	671	145	304	9	241
West Virginia	735	379	–7.1	124	78	379	154	247	129	882	11	–
North Carolina	1,681	268	.5	382	264	542	492	665	139	555	42	209
South Carolina	994	298	.1	191	138	400	265	346	101	258	19	344
Georgia	1,771	296	2.2	355	253	574	589	754	290	727	29	110
Florida	2,553	225	5.4	647	533	425	949	1,298	303	467	3	254
East South Central	5,040	333	–2.0	1,011	717	1,970	1,342	1,817	841	2,073	189	307
Kentucky	1,192	320	–3.2	254	170	448	321	465	183	713	30	–
Tennessee	1,639	344	–1.7	350	271	585	432	562	197	588	68	105
Alabama	1,394	346	–1.2	252	173	633	335	453	228	663	71	155
Mississippi	815	312	–1.9	155	103	304	254	337	233	109	–	47
West South Central	14,210	535	1.0	1,783	1,479	7,770	3,179	6,220	5,778	1,787	101	134
Arkansas	762	323	–1.9	155	104	299	204	303	199	220	46	107
Louisiana	3,185	710	–6.1	289	250	2,051	596	1,352	1,446	159	–	27
Oklahoma	1,339	405	–1.0	267	198	532	342	466	612	237	41	–
Texas	8,924	545	1.0	1,072	927	4,886	2,037	4,099	3,521	1,171	14	–
Mountain	4,043	316	1.3	820	706	1,310	1,208	1,583	859	1,759	458	92
Montana	347	420	4.8	64	55	145	82	160	47	99	106	–
Idaho	347	346	2.0	80	70	118	80	106	41	9	113	–
Wyoming	351	669	2.9	40	36	206	70	128	87	408	11	–
Colorado	884	273	.4	219	215	174	276	333	223	300	24	–
New Mexico	458	316	–5.0	67	70	159	162	217	159	268	1	–
Arizona	821	257	3.7	170	157	200	293	318	136	345	145	92
Utah	529	322	1.0	115	62	219	133	185	124	204	11	–
Nevada	306	327	1.2	65	41	89	112	136	42	126	45	–
Pacific	9,525	272	.2	1,880	1,560	2,711	3,375	4,449	2,340	152	1,659	375
Washington	1,682	382	1.5	400	310	552	421	586	140	94	806	87
Oregon	804	299	–1.7	197	142	220	246	316	86	10	474	75
California	6,359	241	.2	1,219	1,038	1,692	2,409	3,098	1,896	43	370	213
Alaska	448	859	–4.8	43	51	200	154	221	215	5	8	–
Hawaii	232	221	6.7	21	19	47	145	228	3	–	1	–

– Represents zero. Z Less than 500 billion or .05 percent. [1] Sources of energy includes geothermal, wood and waste, and net interstate sales of electricity, including losses, not shown separately. [2] Based on estimated resident population as of July 1. [3] Includes –13.5 trillion Btu of net imports of coke not allocated by State. [4] Minus sign (–) indicates when amount of energy expended for pump storage hydropower exceeds amount of energy consumed.

Source: U.S. Energy Information Administration, *State Energy Data Report, 1960–1985*

Digitized by Google

NO. 908. PRIMARY ENERGY CONSUMPTION BY END-USE SECTOR: 1960 TO 1986

[For definition of Btu, see text, section 19]

SECTOR	1960	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total consumption (quad. Btu)	43.8	66.4	74.3	70.6	78.1	78.9	76.0	74.0	70.8	70.5	74.1	74.0	73.9
Residential and commercial	8.7	12.1	12.3	11.6	11.9	11.5	10.7	10.0	10.1	9.7	10.1	9.8	9.7
Industrial and miscellaneous	16.3	21.9	23.6	20.4	21.9	22.8	21.0	19.7	17.4	16.7	18.2	17.5	16.7
Transportation	10.6	16.0	16.5	18.2	20.6	20.4	19.7	19.5	19.0	19.1	19.6	20.1	20.7
Electricity generation	6.2	16.3	19.9	20.3	23.7	24.1	24.5	24.8	24.3	24.9	26.0	26.5	26.8
Percent of total:													
Residential and commercial	20.0	18.3	16.5	16.4	15.3	14.6	14.1	13.6	14.2	13.8	13.6	13.2	13.1
Industrial and miscellaneous	37.1	32.9	31.7	28.9	28.0	28.9	27.7	26.6	24.6	23.7	24.5	23.7	22.6
Transportation	24.1	24.2	25.0	25.8	26.3	25.9	25.9	26.3	26.9	27.1	26.8	27.2	28.0
Electricity generation	16.7	24.5	26.7	28.6	30.4	30.6	32.3	33.5	34.2	35.4	35.1	35.8	36.3

Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 909. ENERGY CONSUMPTION, BY SECTOR AND PRIMARY SOURCE: 1986

[In trillions of Btu. For definition of Btu, see text, section 19]

SECTOR	Total [1]	Coal [2]	Natural gas, dry	Petroleum [3]	Hydroelectric [4]	Nuclear power	Other [5]	Electricity distributed [6]	Electric energy loss [7]
Final consuming sectors	73,670	2,802	13,826	30,435	33	(x)	−17	8,110	16,673
Residential and commercial	27,244	179	6,968	2,573	(x)	(x)	–	5,306	12,217
Industrial	25,924	2,623	6,363	7,704	33	(x)	−17	2,791	6,426
Transportation	20,695	–	495	20,158	(x)	(x)	–	13	30
Electric utilities	26,784	14,462	2,701	1,452	3,462	4,475	232	(x)	(x)

– Represents zero. X Not applicable. [1] Total may not equal sum of components due to independent rounding of the components. [2] Represents anthracite, bituminous coal, and lignite. [3] Includes petroleum products, still gas, liquefied refinery gas, and natural gas liquids. [4] Industrial sector is hydroelectricity produced by the industrial sector. Electric utilities sector includes net imports of electricity. [5] Industrial sector includes net imports of coal coke. Electric utilities sector includes electricity produced from geothermal, wood, waste, wind, solar thermal, and photovoltaic sources. [6] Electrical energy used by railroads, and for street and highway lighting, is included in transportation sector. [7] Losses allocated by final end-use sector in proportion to their direct kilowatt hour usage.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, January 1986.

NO. 910. ENERGY EXPENDITURES AND AVERAGE FUEL PRICES, BY SOURCE AND SECTOR: 1970 TO 1985

[For definition of Btu, see text, section 19. End-use sector and electric utilities exclude expenditures and prices on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations]

SOURCE AND SECTOR	1970	1975	1980	1981	1982	1983	1984	1985
EXPENDITURES (mil. dol.)								
Total [1] [2]	82,567	171,549	374,704	428,064	426,157	417,139	438,737	441,045
Natural gas	10,891	20,059	51,016	60,498	68,203	71,923	77,048	72,901
Petroleum products [3]	48,074	103,626	239,262	266,782	243,837	222,896	225,714	223,572
Motor gasoline	31,568	59,447	124,404	138,139	130,309	118,096	114,444	118,306
Distillate fuel oil	6,255	15,683	40,793	48,200	44,118	40,403	42,984	41,505
Jet fuel	1,440	4,194	13,924	15,608	14,974	13,940	15,064	14,745
Residual fuel	2,046	10,380	21,583	22,672	17,623	14,093	14,389	11,494
Coal	4,592	13,044	22,636	26,191	26,391	27,084	29,052	29,666
Electricity sales	23,350	50,683	96,099	116,453	127,393	134,745	147,895	154,530
Residential sector	20,063	36,845	68,826	77,915	86,820	92,054	98,692	101,372
Commercial sector	10,670	22,835	46,883	55,365	61,239	64,825	70,036	71,443
Industrial sector	16,344	40,780	95,018	109,428	104,081	101,457	111,798	107,798
Transportation sector [3]	35,471	71,089	163,976	185,357	174,016	158,802	158,208	160,432
Motor gasoline	30,517	57,993	121,805	135,395	127,953	116,071	112,051	115,459
Electric utilities	4,313	16,395	37,427	43,269	41,303	41,300	43,345	42,522
AVERAGE FUEL PRICES (dol. per mil. Btu)								
All sectors	1.08	2.20	4.60	5.27	5.35	5.15	5.03	4.91
Residential sector	2.12	3.83	7.55	8.92	9.91	10.81	11.15	11.42
Commercial sector	1.97	4.09	7.88	9.55	10.43	11.03	11.44	11.89
Industrial sector	.83	2.21	4.77	5.60	6.14	6.26	6.29	6.19
Transportation sector	2.33	4.03	8.64	9.86	9.45	8.54	8.20	8.20
Electric utilities	.32	.96	1.75	2.00	2.01	1.97	1.97	1.85

[1] Includes electricity sales; excludes electricity generation. [2] Includes sources or fuel types not shown separately.

Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.

Digitized by Google

No. 911. Energy Expenditures—Source and End-Use Sector, by State: 1985

[In millions of dollars, except per capita and percents. End-use sector and electric utilities exclude expenditures on energy sources such as hydropower, solar, wind, and geothermal. Also excludes expenditures for reported amounts of energy consumed by the energy industry for production, transportation, and processing operations]

Division and State	Total [1]	Per capita [2] (dol.)	Percent change, 1984–1985	Source					End-use sector			
				Petroleum products		Natural gas	Coal	Electricity sales	Residential	Commercial	Industrial	Transportation
				Total	Gasoline							
U.S.	[3] 441,045	1,847	.5	223,572	118,308	72,901	29,666	154,530	101,372	71,443	[3] 107,798	160,432
N. Eng	21,033	1,662	.3	12,356	6,025	2,294	362	7,753	6,384	4,085	3,327	7,235
ME	2,061	1,767	4.7	1,391	616	19	8	737	544	281	423	813
NH	1,538	1,539	1.6	944	505	70	78	578	487	203	283	565
VT	866	1,618	3.7	545	291	28	4	291	267	127	133	338
MA	9,476	1,628	−1.9	5,483	2,653	1,395	225	3,344	2,873	1,980	1,343	3,280
RI	1,478	1,528	3.9	819	417	205	-	481	478	266	279	455
CT	5,614	1,770	.8	3,174	1,543	577	49	2,322	1,735	1,228	866	1,784
Mid. Atl	61,646	1,658	1.3	29,205	14,705	10,418	2,969	23,754	17,609	13,346	11,433	19,257
NY	25,713	1,449	4.5	11,762	6,317	4,637	553	10,906	7,878	7,327	3,275	7,232
NJ	15,796	2,089	4	8,502	3,553	2,359	193	5,336	3,987	3,000	2,947	5,862
PA	20,137	1,697	−1.9	8,941	4,835	3,422	2,223	7,512	5,744	3,019	5,211	6,163
E. No. Cent	78,593	1,887	.3	33,827	19,994	16,408	8,356	26,581	19,955	12,369	21,227	25,043
OH	20,663	1,923	−1.9	8,915	5,229	3,941	2,396	7,306	5,182	3,100	5,865	6,517
IN	11,928	2,169	.7	5,376	2,708	1,992	2,107	3,812	2,545	1,269	3,975	4,139
IL	21,408	1,855	-	8,625	5,291	4,847	1,701	7,821	5,594	4,146	5,361	6,307
MI	16,571	1,823	4.3	7,096	4,473	3,978	1,506	5,186	4,398	2,582	4,271	5,320
WI	8,023	1,680	.6	3,815	2,293	1,650	646	2,456	2,236	1,272	1,755	2,760
W. No. Cent	33,098	1,885	-.4	17,118	9,817	5,286	2,537	10,322	7,982	4,847	7,686	12,581
MN	7,394	1,764	−.4	3,919	2,345	1,275	345	2,148	1,837	990	1,641	2,926
IA	5,639	1,957	−1.6	2,712	1,575	1,003	407	1,863	1,430	875	1,452	1,881
MO	9,050	1,797	1.7	4,519	2,710	1,284	786	3,201	2,372	1,398	1,785	3,495
ND	1,635	2,387	6.9	880	447	115	453	391	316	170	561	588
SD	1,253	1,769	1.8	786	454	126	46	330	316	146	226	565
NE	2,950	1,838	−1.2	1,574	905	524	133	848	685	507	573	1,184
KS	5,177	2,113	−4.4	2,728	1,381	959	367	1,541	1,026	761	1,448	1,942
So. Atl	69,003	1,716	1.9	35,626	21,275	6,442	6,501	27,542	16,547	10,949	13,802	27,705
DE	1,284	2,064	.7	771	375	181	133	429	302	186	308	488
MD	7,303	1,662	−.2	3,706	2,276	967	465	2,638	1,907	992	1,627	2,777
DC	1,147	1,841	.5	330	203	211	8	606	250	461	167	269
VA	9,808	1,720	2.4	5,310	3,092	787	543	3,550	2,362	1,686	1,609	4,171
WV	3,717	1,919	4.8	1,946	896	518	1,421	1,094	700	413	1,407	1,197
NC	10,695	1,708	1.1	5,401	3,368	706	1,093	4,480	2,528	1,472	2,491	4,203
SC	5,805	1,741	.8	2,788	1,756	495	486	2,443	1,265	764	1,565	2,211
GA	10,823	1,811	.9	5,685	3,356	1,486	1,362	3,591	2,171	1,503	2,532	4,617
FL	18,421	1,621	5.8	9,709	5,953	1,091	990	8,711	5,062	3,492	2,096	7,772
E. So. Cent	27,701	1,831	-.7	13,651	7,923	3,186	3,568	10,425	5,575	3,815	7,754	10,558
KY	6,391	1,714	2.0	3,461	1,851	715	1,053	2,046	1,401	712	1,767	2,511
TN	8,964	1,880	.3	4,361	2,710	823	911	3,635	1,643	1,404	2,408	3,509
AL	7,901	1,965	1.5	3,453	2,094	963	1,331	3,210	1,639	1,097	2,454	2,711
MS	4,445	1,700	.5	2,376	1,268	685	273	1,534	892	602	1,125	1,827
W. So. Cent	70,372	2,652	-1.7	39,438	15,094	15,212	2,957	20,898	11,415	8,491	27,725	22,744
AR	4,400	1,864	−1.3	2,250	1,238	670	351	1,497	976	569	1,238	1,618
LA	13,543	3,019	−4.1	7,736	2,426	3,136	339	3,477	1,818	1,433	6,308	3,984
OK	8,786	2,553	1.0	3,366	1,942	1,631	399	2,351	1,494	1,036	1,644	2,613
TX	45,643	2,786	−1.3	26,066	9,488	9,775	1,868	13,573	7,127	5,453	16,535	14,529
Mt	22,895	1,789	1.4	11,941	7,007	3,115	2,110	7,890	4,960	3,884	4,487	9,564
MT	1,705	2,067	4.4	1,074	490	195	74	430	301	243	483	678
ID	1,704	1,697	2.7	862	522	193	16	634	356	284	399	665
WY	1,425	2,794	−.3	810	356	180	405	376	207	171	517	530
CO	5,310	1,642	.3	2,622	1,742	936	351	1,742	1,263	1,126	650	2,272
NM	2,812	1,600	−3.8	1,626	860	362	294	723	489	456	523	1,143
AZ	5,474	1,715	4.7	2,596	1,723	581	471	2,399	1,276	1,028	857	2,312
UT	2,770	1,684	.7	1,314	777	441	304	919	653	345	682	1,091
NV	1,895	2,022	1.7	1,037	537	225	204	667	415	231	376	873
Pac	56,739	1,620	2.0	30,411	16,468	10,539	294	19,365	10,945	9,855	10,391	25,746
WA	7,337	1,665	-	3,991	2,153	672	164	2,650	1,579	1,152	1,306	3,300
OR	4,434	1,651	.5	2,376	1,354	447	22	1,603	948	693	673	1,920
CA	41,286	1,566	2.4	21,136	12,226	9,214	99	14,132	7,934	7,348	7,692	18,311
AK	1,755	3,362	7.7	1,373	291	166	9	283	240	240	190	1,084
HI	1,927	1,834	2.1	1,535	444	38	-	697	244	222	330	1,131

- Represents zero. [1] Includes sources not shown separately (including electricity sales) less electric utility purchases of fuel. [2] Includes net imports of coal coke not shown separately by State. Total expenditures are the sum of purchases for each source. [3] Based on estimated resident population as of July 1.

Source: U.S. Energy Information Administration, *State Energy Price and Expenditure Report*, annual.

Digitized by Google

No. 912. Residential Energy Consumption, Expenditures, and Average Prices, 1979 to 1985, and by Region, 1985

[For period April to March of year stated. Excludes Alaska and Hawaii in 1979 and 1980. Covers occupied units only. Excludes household usage of gasoline for transportation and the use of wood or coal. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. I, inside front cover. Btu = British thermal unit; see text, section 19]

TYPE OF FUEL	Unit	1979, all households	1980, all households	1981, all households	1982, all households	1983, all households	1985				
							All households	Northeast	Midwest	South	West
CONSUMPTION											
Total	Quad. Btu	**10.56**	**9.74**	**9.32**	**9.51**	**8.62**	**9.04**	**2.29**	**2.80**	**2.50**	**1.45**
Avg. per household	Mil. Btu	138	126	114	114	103	105	125	129	85	85
Natural gas	Quad. Btu	5.58	5.31	4.94	5.39	4.77	4.98	.93	1.99	1.15	.91
Electricity	Quad. Btu	2.47	2.42	2.46	2.48	2.42	2.48	.41	.55	1.06	.47
Fuel oil, kerosene	Quad. Btu	2.19	1.71	1.55	1.33	1.14	1.26	.93	.13	.16	.04
Liquid petroleum gas	Quad. Btu	.33	.31	.36	.31	.29	.31	.03	.13	.12	.03
EXPENDITURES											
Total	Bil. dol.	**55.5**	**63.2**	**74.8**	**85.0**	**87.8**	**97.0**	**26.4**	**25.1**	**30.9**	**14.6**
Avg. per household	Dollars	724	815	917	1,022	1,048	1,123	1,443	1,160	1,055	852
Natural gas	Bil. dol.	15.3	17.8	19.3	24.5	27.1	29.8	6.9	11.1	6.7	5.1
Electricity	Bil. dol.	29.9	32.6	40.1	45.9	48.4	54.5	12.2	11.8	21.7	8.8
Fuel oil, kerosene	Bil. dol.	8.6	10.7	12.5	11.8	9.6	9.6	7.0	1.0	1.3	.3
Liquid petroleum gas	Bil. dol.	1.7	2.1	2.9	2.7	2.7	3.1	.4	1.2	1.2	.4
AVERAGE PRICE (per million Btu)											
Total	Dollars	**5.25**	**6.49**	**8.03**	**8.93**	**10.18**	**10.73**	**11.52**	**8.96**	**12.39**	**10.02**
Natural gas	Dollars	2.74	3.36	3.90	4.55	5.67	5.97	7.43	5.59	5.81	5.55
Electricity	Dollars	12.10	13.46	16.32	18.51	19.98	22.98	29.77	21.64	20.39	18.94
Fuel oil, kerosene	Dollars	3.93	6.29	8.04	8.89	8.42	7.62	7.54	7.67	8.14	7.85
Liquid petroleum gas	Dollars	5.09	6.71	7.92	8.74	9.42	10.00	13.11	8.67	10.38	10.56

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, annual through 1983; beginning 1985, triennial.

No. 913. Residential Energy Consumption and Expenditures, by Type of Fuel and Selected Household Characteristic: 1985

[For period April 1984 to March 1985. Quad. = quadrillion. See headnote, table 912]

CHARACTERISTIC	CONSUMPTION (Btu's)					EXPENDITURES				
	Total [1] (quad.)	Avg. per household [1] (mil.)	Natural gas (quad.)	Electricity (quad.)	Fuel oil [2] (quad.)	Total [1] (bil. dol.)	Avg. per household [1] (dol.)	Natural gas (bil. dol.)	Electricity (bil. dol.)	Fuel oil [2] (bil. dol.)
Total households	**9.04**	**105**	**4.98**	**2.48**	**1.26**	**97.0**	**1,123**	**29.8**	**54.5**	**9.6**
Single family detached	6.27	117	3.46	1.80	.77	67.1	1,255	20.2	38.5	6.1
Single family attached	.45	112	.26	.11	.07	5.1	1,256	1.7	2.7	.6
2–4 unit building	.97	97	.64	.17	.16	9.5	950	4.1	4.2	1.3
5 or more unit building	.97	71	.51	.25	.21	10.3	761	3.1	5.9	1.3
Mobile home	.37	79	.12	.15	.04	4.9	947	.6	3.2	.3
Year house built:										
1939 or earlier	3.16	126	1.88	.54	.64	30.5	1,212	11.6	13.0	4.9
1940–1949	.74	106	.42	.17	.13	7.7	1,092	2.6	3.9	1.0
1950–1959	1.36	107	.80	.34	.18	14.1	1,120	4.7	7.7	1.4
1960–1964	.75	101	.40	.23	.09	8.2	1,098	2.3	4.9	.7
1965–1969	.82	99	.45	.27	.07	9.3	1,126	2.7	5.8	.6
1970–1974	.96	90	.49	.36	.05	11.5	1,079	2.9	7.7	.4
1975–1979	.88	87	.38	.41	.07	11.1	1,100	2.1	8.3	.5
1980 or later	.37	74	.15	.16	.03	4.5	903	.8	3.3	.2
Heating and cooling degree day zones: [3]										
Less than 2,000 CDD and—										
More than 7,000 HDD	1.03	114	.56	.22	.17	9.6	1,067	3.1	4.5	1.3
5,500–7,000 HDD	2.90	135	1.87	.55	.42	27.6	1,283	11.0	12.8	3.3
4,000–5,499 HDD	2.50	111	1.22	.63	.59	27.3	1,212	8.0	14.3	4.4
Less than 4,000 HDD	1.65	82	.93	.59	.05	18.1	905	5.3	11.6	.5
More than 2,000 CDD and less than 4,000 HDD	.97	73	.41	.50	(B)	14.4	1,081	2.4	11.3	(B)
1984 family income:										
Less than $5,000	.71	90	.42	.16	.10	7.0	891	2.4	3.5	.7
$5,000–$9,999	1.32	95	.70	.31	.23	13.5	964	4.1	6.8	1.8
$10,000–$14,999	1.21	92	.67	.32	.17	12.6	965	3.9	7.0	1.3
$15,000–$19,999	.90	100	.49	.23	.14	9.4	1,043	2.9	5.0	1.0
$20,000–$24,999	.84	101	.45	.24	.12	9.0	1,080	2.7	5.1	.9
$25,000–$34,999	1.65	108	.90	.50	.21	18.2	1,189	5.4	10.7	1.7
$35,000–$49,999	1.28	121	.70	.40	.16	14.5	1,368	4.3	8.8	1.3
$50,000 or more	1.13	139	.67	.33	.11	12.7	1,568	4.0	7.7	.8

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Includes liquid petroleum gas, not shown separately. [2] Includes kerosene. [3] CDD = Cooling degree day; HDD = Heating degree day.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985*.

Digitized by Google

No. 914. Average Residential Energy Consumption and Expenditures of All Fuels Used, by Main Heating Fuel Type and Household Characteristic: 1985

[For period April 1984 through March 1985. See headnote, table 912]

Household characteristic	Consumption per household (mil. Btu)					Expenditures per household (dollars)				
	All households [1]	Households using as main heating fuel—				All households [1]	Households using as main heating fuel—			
		Natural gas	Electricity		Fuel oil [2]		Natural gas	Electricity		Fuel oil [2]
			With air conditioning	Without air conditioning				With air conditioning	Without air conditioning	
Total households	**105**	**124**	**56**	**53**	**126**	**1,123**	**1,119**	**1,071**	**863**	**1,422**
Region:										
Northeast	125	136	61	52	137	1,443	1,421	1,476	1,233	1,535
Midwest	129	142	70	72	124	1,160	1,154	1,151	1,284	1,298
South	85	115	54	43	90	1,055	1,121	1,047	811	1,155
West	85	99	54	53	121	852	873	916	705	1,124
Type:										
Single-family detached	117	140	70	64	137	1,255	1,272	1,289	1,046	1,582
Single-family attached	112	118	66	(B)	142	1,256	1,195	1,221	(B)	1,573
2-4 unit building	97	101	44	45	124	950	903	816	614	1,377
5 or more unit building	71	83	35	37	105	761	705	743	604	1,040
Mobile home	73	102	47	54	78	947	922	950	967	1,000
Year constructed:										
1939 or earlier	126	138	64	58	138	1,212	1,177	929	809	1,502
1940 to 1949	106	114	61	(B)	130	1,092	1,030	1,231	(B)	1,472
1950 to 1959	107	119	65	40	116	1,120	1,101	1,290	622	1,386
1960 to 1964	101	118	54	49	104	1,098	1,147	1,038	792	1,126
1965 to 1969	99	121	56	49	122	1,126	1,182	1,075	797	1,463
1970 to 1974	90	119	50	58	102	1,079	1,128	987	1,061	1,303
1975 to 1979	87	119	61	53	116	1,100	1,078	1,163	916	1,418
1980 or later	74	92	47	57	112	903	827	918	913	1,190
1984 family income:										
Less than $5,000	90	112	39	40	104	891	913	771	693	1,119
$5,000–$9,999	95	115	40	46	115	964	967	772	777	1,227
$10,000–$14,999	92	106	49	50	118	965	927	960	734	1,260
$15,000–$19,999	100	117	46	46	119	1,043	1,023	937	661	1,352
$20,000–$24,999	101	113	58	61	129	1,080	1,014	1,040	1,060	1,484
$25,000–$34,999	108	127	61	61	137	1,189	1,184	1,140	923	1,541
$35,000–$49,999	121	136	75	62	145	1,368	1,331	1,401	1,124	1,742
$50,000 or more	139	164	67	65	152	1,568	1,606	1,329	1,136	1,832

B Base figure too small to meet statistical standards for reliability of derived figure. [1] Includes households using liquid petroleum gas, not shown separately. [2] Includes kerosene.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.*

No. 915. Residential Energy Expenditures, by Type of End Use and Housing Characteristic: 1985

[For period April 1984 through March 1985. See headnote, table 912]

Characteristic	Expenditures (bil. dol.)					Average expenditure per household (dollars)				
	All end uses	End use				All end uses	End use			
		Space heating	Cooling	Water heating	Other [1]		Space heating	Cooling	Water heating	Other [1]
Total households	**97.0**	**36.9**	**7.5**	**14.7**	**37.8**	**1,123**	**427**	**87**	**171**	**438**
Type:										
Single-family detached	67.1	24.7	5.1	10.2	27.1	1,255	462	96	191	506
Single-family attached	5.1	2.2	.4	.7	1.9	1,256	531	95	174	456
2 to 4 unit building	9.5	4.2	.4	1.3	3.5	950	424	40	134	353
5 or more unit building	10.3	4.0	1.3	1.8	3.5	761	296	94	115	255
Mobile home	4.9	1.7	.3	.9	1.9	947	339	64	177	366
Year constructed:										
1939 or earlier	30.5	14.3	1.1	4.1	11.1	1,212	566	44	162	440
1940 to 1949	7.7	3.0	.5	1.2	2.9	1,092	431	78	167	416
1950 to 1959	14.1	5.1	1.1	2.2	5.8	1,120	403	86	174	458
1960 to 1964	8.2	2.6	.8	1.3	3.4	1,098	355	113	171	459
1965 to 1969	9.3	2.9	1.0	1.4	3.9	1,126	358	126	170	472
1970 to 1974	11.5	3.9	1.3	1.9	4.4	1,079	366	121	178	414
1975 or later	15.7	5.0	1.6	2.7	6.3	1,035	331	109	179	416
1984 family income:										
Less than $5,000	7.0	3.1	.3	1.1	2.5	891	392	43	138	319
$5,000–$9,999	13.5	5.9	.7	2.0	4.8	964	426	52	141	346
$10,000–$14,999	12.6	4.8	1.0	2.0	4.8	965	366	76	155	369
$15,000–$19,999	9.4	3.6	.7	1.5	3.6	1,043	401	72	171	398
$20,000–$24,999	9.0	3.5	.6	1.4	3.5	1,080	422	74	165	419
$25,000–$34,999	18.2	6.6	1.6	2.8	7.3	1,189	428	102	180	479
$35,000–$49,999	14.5	5.0	1.3	2.2	6.0	1,368	474	118	211	565
$50,000 or more	12.7	4.3	1.4	1.7	5.2	1,568	535	173	215	646

– Represents zero. NA Not applicable [1] Appliance usage

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures*, April 1984 through March 1985.

Digitized by Google

No. 916. Commercial Buildings—Energy Consumption and Expenditures, by Major Fuel Type Used: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see also tables 1237-1239. Quad. = quadrillion]

ITEM	Unit	All major fuels	Electricity	Natural gas	Fuel oil	Propane	Purchased steam
Number of buildings using the fuel	1,000	3,774	3,764	2,239	536	250	59
Square footage of floorspace	Million	51,280	51,146	36,088	10,205	2,721	4,538
Square footage per building	1,000	13.6	13.6	16.1	19.0	10.9	77.5
Energy consumed, total	Quad. Btu	5.150	2.237	2.227	.354	.038	.294
Energy consumed per building	Mil. Btu	1,364	594	994	659	150	5,028
Energy consumed per square foot of floorspace	1,000 Btu	100	44	62	35	14	65
Energy consumed per employee	Mil. Btu	66	29	42	22	9	36
Expenditures, total	Mil. dol.	59,242	41,554	12,284	2,369	352	2,683
Expenditures per building	$1,000	15.7	11.0	5.5	4.4	1.4	45.8
Expenditures per square foot of floorspace	Dollars	1.16	.81	.34	.23	.13	.59
Expenditures per million Btu of energy consumed	Dollars	11.50	18.58	5.52	6.69	9.38	9.12

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

No. 917. Commercial Buildings—Energy Consumption and Expenditures: 1983

[Covers buildings using one or more major fuel. Excludes industrial buildings. Excludes Alaska and Hawaii. Based on a sample survey of building representatives conducted between March and August 1983; therefore subject to sampling variability. For characteristics of commercial buildings, see tables 1237-1239]

BUILDING CHARACTERISTIC	ALL BUILDINGS USING ANY MAJOR FUEL		CONSUMPTION (quadrillion Btu)			EXPENDITURES (mil. dol.)		
	Number (1,000)	Square feet (mil.)	Major fuel, total [1]	Electricity	Natural gas	Major fuel, total [1]	Electricity	Natural gas
All buildings	**3,774**	**51,280**	**5.150**	**2.237**	**2.227**	**59,242**	**41,554**	**12,284**
Year constructed:								
1900 or before	279	2,884	194	.051	.097	2,149	1,209	583
1901 to 1920	369	5,228	354	.112	170	3,916	2,409	954
1921 to 1945	685	6,269	846	.295	.384	9,355	5,874	2,183
1946 to 1960	883	9,434	938	.362	424	10,406	6,909	2,309
1961 to 1970	700	9,873	1 099	496	464	12,713	9,041	2,491
1971 to 1973	207	3,411	366	.199	136	4,742	3,736	761
1974 to 1979	517	6,550	861	423	379	10,004	7,472	2,114
1980 to 1983	135	5,631	491	298	172	5,954	4,904	889
Principal activity within building:								
Assembly	452	5,475	377	.121	197	4,147	2,553	1,094
Educational	177	6,044	484	155	246	4,843	2,969	1,317
Food sales/services	380	2,050	437	222	193	5,510	4,176	1,139
Health care	61	2,277	465	147	219	4,385	2,487	1,115
Lodging	106	2,241	365	151	171	3,932	2,714	875
Mercantile/services	1,055	10,347	838	434	337	10,338	7,836	1,969
Office	575	8,444	1 039	521	371	13,097	9,866	2,031
Residential	235	2,442	179	042	095	1,856	970	595
Warehouse	387	6,700	506	208	248	5,530	3,786	1,358
Other	167	2,738	276	151	078	3,377	2,564	405
Vacant	180	2,522	184	086	073	2,226	1,634	384
Region:								
Northeast	653	11,413	954	345	314	13,580	9,031	2,143
Midwest	1,157	15,718	1 922	697	1 044	18,991	12,110	5,542
South	1,415	16,683	1 563	849	550	19,218	15,121	2,833
West	549	7,467	710	346	319	7,454	5,292	1,767
Square footage:								
5,000 or less	2,112	4,680	871	332	474	10,018	6,821	2,669
5,001 to 10,000	705	5,083	562	217	285	6,323	4,168	1,692
10,001 to 25,000	560	8,795	727	321	301	8,872	6,299	1,731
25,001 to 50,000	216	7,470	695	305	317	8,142	5,840	1,746
50,001 to 100,000	104	6,963	616	291	239	6,956	5,035	1,300
100,001 to 200,000	49	6,813	589	251	237	6,468	4,444	1,233
Over 200,000	29	11,675	1 090	520	372	12,464	8,946	1,912

[1] Includes fuel oil, propane, and purchased steam, not shown separately.

Source: U.S. Energy Information Administration, *Nonresidential Buildings Energy Consumption Survey: Consumption and Expenditures, 1983*.

Digitized by Google

No. 918. Manufacturing Energy Consumption for Heat and Power, by Type of Fuel and Industry Group: 1985

[In trillions of Btu. Based on the Manufacturing Energy Consumption Survey; therefore subject to sampling variability]

SIC [1] CODE	INDUSTRY	Total consumption	Net electricity [2]	Fuel oil [3]	Natural gas	Coal and coke	Other
(x)	**Total**	**13,747.9**	**2,286.5**	**705.2**	**4,617.7**	**1,980.3**	**4,158.2**
20	Food and kindred	954.3	165.8	65.1	458.9	131.7	132.9
21	Tobacco products	19.8	4.6	2.3	3.4	9.4	1
22	Textile mill products	248.1	88.1	21.3	91.2	38.0	9.7
23	Apparel and other textile products	32.4	15.3	2.9	12.5	1.4	.4
24	Lumber and wood products	348.9	55.1	23.4	31.4	(D)	(D)
25	Furniture and fixtures	48.6	15.2	2.7	19.6	2.1	9.1
26	Paper and allied products	2,355.6	183.6	166.9	379.7	322.5	1,302.9
27	Printing and publishing	98.6	52.5	2.4	40.6	(D)	(D)
28	Chemicals and allied products	2,460.5	445.2	100.3	1,180.9	336.4	397.7
29	Petroleum and coal products	2,426.3	120.3	134.9	690.7	7.3	1,472.9
30	Rubber and misc. plastic products	220.8	90.7	15.2	102.0	8.1	4.8
31	Leather and leather products	13.4	4.3	3.3	4.5	.9	.4
32	Stone, clay and glass products	927.6	116.3	33.1	397.0	349.0	32.3
33	Primary metal industries	2,362.2	458.7	53.2	669.2	660.6	522.5
34	Fabricated metal products	296.2	91.2	16.7	171.6	8.7	8.0
35	Machinery, except electrical	277.6	114.2	14.6	113.7	30.6	4.5
36	Electric and electronic equipment	223.7	110.1	10.4	91.4	8.6	3.3
37	Transportation equipment	322.2	115.0	25.7	120.7	43.8	17.0
38	Instruments and related products	79.7	29.2	6.1	23.8	(D)	(D)
39	Miscellaneous manufacturing	31.3	11.4	2.6	15.4	1.3	.7

D Figure withheld to avoid disclosure. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] Net electricity is obtained by aggregating purchases, transfers in, and generation from noncombustible renewable resources minus quantities sold and transferred out. [3] Includes distillate and residual.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, January 1987.

No. 919. Fossil Fuel Prices in Current and Constant (1982) Dollars: 1960 to 1986

[In cents per million British thermal units (Btu), except as indicated. All fuel prices taken as close to the point of production as possible. See text, section 19, for explanation of Btu conversions from mineral fuels. Minus sign (–) indicates decrease]

YEAR OR PERIOD	CURRENT DOLLARS					CONSTANT (1982) DOLLARS					GNP [3] price deflators (1982 = 100)
	Composite [1]	Crude oil	Natural gas	Bituminous coal [2]	Anthracite coal	Composite [1]	Crude oil	Natural gas	Bituminous coal [2]	Anthracite coal	
1960	28.3	49.7	12.6	18.8	33.8	91.6	160.8	40.8	60.8	109.4	30.9
1965	27.7	49.3	14.5	17.9	36.3	82.0	145.9	42.9	53.0	107.4	33.8
1970	31.7	54.8	15.4	26.2	48.8	75.5	130.5	36.7	62.4	116.2	42.0
1973	39.8	67.1	20.1	36.5	61.7	80.4	135.6	40.6	73.7	124.6	49.5
1974	67.6	118.4	27.3	68.2	102.2	125.2	219.3	50.6	126.3	189.3	54.0
1975	82.5	132.2	41.1	83.8	149.5	139.1	222.9	69.3	141.5	252.1	59.3
1976	90.2	141.2	53.1	85.0	153.9	142.9	223.8	84.2	134.7	243.9	63.1
1977	100.8	147.8	72.3	87.7	153.8	149.8	219.6	107.4	130.3	228.5	67.3
1978	111.6	155.2	83.6	97.9	152.7	154.6	215.0	115.8	135.6	211.5	72.2
1979	141.7	217.9	106.1	105.3	177.2	180.3	277.2	137.5	134.0	225.4	78.6
1980	204.2	372.2	144.8	109.4	185.9	238.3	434.3	169.0	127.7	216.9	85.7
1981	274.5	547.8	179.5	117.9	190.1	292.0	582.8	191.0	125.4	202.2	94.0
1982	275.8	491.7	222.2	122.1	214.0	275.8	491.7	222.2	122.1	214.0	100.0
1983	270.1	451.8	232.3	117.2	200.0	260.0	434.6	223.6	112.8	221.4	103.9
1984	264.6	446.2	239.9	115.9	208.7	244.8	412.8	221.9	107.2	193.1	107.9
1985	251.2	415.3	225.5	114.8	204.2	225.3	372.5	202.2	103.0	183.1	111.5
1986, prel	165.1	218.3	188.0	111.7	200.6	144.3	190.8	146.9	97.6	175.3	114.4
Percent change:											
1960–70	12.0	10.3	22.2	39.4	44.4	– 17.6	– 18.8	– 10.0	2.6	6.2	35.9
1970–73	25.6	22.4	30.5	39.3	26.4	6.5	3.9	10.6	18.1	7.2	17.9
1973–75	107.3	97.0	104.5	129.9	142.3	73.0	64.4	70.7	92.0	102.3	19.8
1975–79	71.8	64.8	163.0	25.5	18.5	29.6	24.4	98.4	– 5.3	– 10.6	32.5
1979–80	44.1	70.8	34.0	3.9	4.9	32.2	56.7	22.9	– 4.7	– 3.8	9.0
1980–81	34.4	47.2	24.0	7.8	2.3	22.5	34.2	13.0	– 1.8	– 6.8	9.7
1981–82	.5	– 10.2	23.8	3.6	12.6	– 5.5	– 15.6	16.3	– 2.6	5.8	6.4
1982–83	– 2.1	– 8.2	4.5	– 4.0	7.5	– 5.7	– 11.6	.6	– 7.6	3.5	3.8
1983–84	– 2.0	– 1.2	3.3	– 1.1	– 9.3	– 5.8	– 5.0	– .8	– 5.0	– 12.8	3.9
1984–85	– 5.1	– 6.9	– 6.0	– 1.0	– 2.2	– 8.0	– 9.8	– 8.9	– 3.9	– 5.2	3.3
1985–86	– 34.3	– 47.4	– 25.5	– 2.7	– 1.8	– 36.0	– 48.8	– 27.4	– 5.2	– 4.3	2.6

[1] Weighted by relative importance of individual fuels in total fuels production. [2] Includes lignite. [3] GNP = Gross national product; see text, section 15.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

Digitized by Google

No. 920. World Energy Consumption, by Region and Energy Source: 1960 to 1985

[In tons of coal equivalent. Metric ton = 1.1023 short tons. Kilogram = 2.205 pounds. See text, section 31 for general comments about the data]

Region and energy source	Consumption (mil. metric tons)					Per capita (kilograms)				Percent distribution			
	1960	1970	1980	1984	1985	1960	1970	1980	1985	1960	1970	1980	1985
World total	**3,924**	**6,440**	**8,544**	**8,889**	**9,130**	**1,302**	**1,748**	**1,919**	**1,888**	**100.0**	**100.0**	**100.0**	**100.0**
North America [1]	1,599	2,502	2,796	2,690	2,712	5,951	7,825	7,480	6,768	40.7	38.9	32.7	29.7
United States	1,454	2,217	2,364	2,262	2,276	6,047	10,811	10,386	9,563	37.1	34.4	27.7	24.9
South America	79	143	251	255	259	535	749	1,046	967	2.0	2.2	2.9	2.8
Europe	1,039	1,720	2,145	2,094	2,146	2,443	3,745	4,433	4,364	26.5	26.7	25.1	23.5
Asia	514	903	1,579	1,856	1,946	276	386	607	687	13.1	14.0	18.5	21.3
Japan	96	333	435	450	449	1,025	3,246	3,726	3,715	2.4	5.2	5.1	4.9
Soviet Union	595	999	1,473	1,645	1,708	2,777	4,132	5,549	6,131	15.2	15.5	17.2	18.7
Oceania	41	71	105	112	119	2,597	3,675	4,572	4,816	1.0	1.1	1.2	1.3
Energy source:													
Solid fuels	1,940	2,159	2,632	2,883	3,040	644	586	591	629	49.4	33.5	30.6	33.3
Liquid fuels	1,306	2,835	3,778	3,623	3,606	433	770	848	746	33.3	44.0	44.2	39.5
Natural gas	593	1,292	1,834	1,990	2,057	197	351	412	425	15.1	20.1	21.5	22.5
Electricity	84	154	301	393	427	28	42	68	88	2.1	2.4	3.5	4.7

[1] Includes Central America.

Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook*, annual. (Copyright.)

No. 921. World Primary Energy Production, by Region and Type: 1973 to 1985

[In quadrillion Btu. Btu = British thermal units. For Btu conversion factors, see source]

Region and type	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
World total	**244.8**	**245.0**	**259.2**	**267.8**	**273.0**	**287.3**	**285.4**	**280.6**	**278.5**	**280.7**	**292.9**	**301.7**
North America	73.3	71.1	71.3	72.4	74.0	78.2	80.6	81.0	81.4	79.2	84.6	84.1
United States	62.0	59.8	59.8	60.1	61.0	63.7	64.7	64.3	63.6	61.1	65.6	64.6
Central and South America	12.9	10.6	10.7	10.9	11.2	12.2	12.1	12.0	11.9	12.0	12.7	13.1
Western Europe	19.6	21.4	22.4	24.0	24.8	27.4	28.7	29.9	30.8	32.1	32.6	34.8
Eastern Europe and Soviet Union	51.4	55.9	58.9	61.6	64.0	66.1	67.7	68.2	70.4	72.3	74.0	78.9
Middle East	46.6	43.5	49.2	49.8	47.2	48.5	41.8	36.6	29.5	27.2	27.1	24.9
Africa	14.6	13.3	15.4	16.4	16.5	18.1	17.2	14.9	15.0	15.6	16.6	17.5
Far East and Oceania	26.2	29.3	31.4	32.6	35.3	36.7	37.3	38.1	39.4	42.1	45.2	48.5
Crude oil	117.6	111.6	121.3	126.0	126.3	131.6	125.5	117.5	111.7	111.3	114.1	113.3
Natural gas	43.2	43.9	45.7	46.9	48.2	51.6	52.9	54.3	53.7	53.9	57.7	60.3
Natural gas liquids	4.2	4.4	4.5	4.7	4.8	5.2	5.5	5.9	5.9	6.0	6.5	6.7
Coal	63.6	66.3	68.1	69.3	70.4	74.6	75.6	76.0	78.9	79.1	82.1	85.8
Hydroelectric power	13.5	15.0	15.1	15.5	16.7	17.6	16.2	16.4	16.9	19.8	20.2	20.8
Nuclear	2.2	3.9	4.5	5.4	6.5	6.7	7.5	8.6	9.4	10.6	12.3	14.9

Source: U.S. Energy Information Administration, *International Energy Annual*.

No. 922. Daily International Flow of Crude Oil, by Area: 1984

[In thousands of barrels per day]

Exporting area	Total	Importing area									
		North America		Central and South America	Western Europe		Eastern Europe	Middle East and Africa	Japan	Other Far East and Oceania
		U.S.	Canada		Atlantic Ocean, North Sea	Mediterranean Sea				
World total	**23,560**	**3,426**	**231**	**2,088**	**4,926**	**3,403**	**2,048**	**1,088**	**3,591**	**2,778**
North America	2,048	1,000	61	369	341	34	-	50	152	41
United States	181	(x)	18	[1] 135	-	-	-	-	-	30
Central and South America	1,299	392	70	553	173	32	-	3	16	60
Western Europe	2,206	493	36	31	1,577	49	-	20	-	-
Eastern Europe and Soviet Union	2,556	-	-	140	606	328	1,369	17	1	95
Middle East	9,099	459	13	457	942	1,804	476	672	2,514	1,762
Africa	4,069	671	51	315	1,262	1,142	201	307	16	104
Far East and Oceania	2,283	411	-	223	25	14	2	-	892	716

- Represents zero. X Not applicable [1] Includes shipments to Puerto Rico and Virgin Islands.

Source: U.S. Energy Information Administration, *International Energy Annual*.

Digitized by Google

NO. 923. U.S. FOREIGN TRADE IN SELECTED MINERAL FUELS: 1970 TO 1986

[Btu = British thermal units. For Btu conversion factors, see text, section 19. Minus sign (–) indicates an excess of imports over exports. See also *Historical Statistics, Colonial Times to 1970*, series M 100, 101, 127, 128, 140, 141, 178, and 181]

YEAR	NATURAL GAS						CRUDE OIL					
	Imports		Exports		Net trade		Imports [1]		Exports		Net trade	
	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Bil. cu. ft.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	820.8	846	89.8	72	–751.0	–774	483	2,814	5	29	–478	–2,785
1972	1,019.5	1,047	78.0	80	–941.5	–967	811	4,712	(Z)	1	–811	–4,710
1973	1,032.9	1,060	77.2	79	–955.7	–981	1,184	6,887	1	4	–1,183	–6,883
1974	959.3	985	78.8	78	–882.5	–907	1,269	7,395	1	6	–1,268	–7,389
1975	953.0	978	72.7	74	–880.3	–904	1,498	8,721	2	12	–1,496	–8,709
1976	963.8	988	64.7	66	–899.1	–922	1,935	11,239	3	17	–1,932	–11,221
1977	1,011.0	1,037	55.8	56	–955.4	–981	2,414	14,027	18	106	–2,396	–13,921
1978	965.5	995	52.5	53	–913.0	–941	2,320	13,460	58	335	–2,262	–13,125
1979	1,253.4	1,300	55.7	56	–1,197.7	–1,243	2,380	13,825	86	497	–2,294	–13,328
1980	984.8	1,006	48.7	49	–936.0	–957	1,926	11,195	105	609	–1,821	–10,586
1981	903.9	917	59.4	60	–844.6	–857	1,605	9,336	83	482	–1,522	–8,854
1982	933.3	950	51.7	52	–881.6	–898	1,273	7,418	86	500	–1,187	–6,918
1983	919.8	942	54.8	55	–865.1	–887	1,215	7,079	60	348	–1,155	–6,731
1984	843.1	847	54.8	55	–788.3	–792	1,254	7,302	66	384	–1,188	–6,918
1985	949.4	951	57.1	58	–892.3	–893	1,166	6,814	75	432	–1,093	–6,382
1986	754.0	756	55.0	56	–699.0	–700	1,525	8,892	56	326	–1,469	–8,566

YEAR	COAL						PETROLEUM PRODUCTS					
	Imports		Exports		Net trade		Imports		Exports		Net trade	
	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	1,000 sh. tons	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu	Mil. bbl.	Tril. Btu
1970	36	1	71,733	1,936	71,697	1,935	765	4,656	89	520	–676	–4,136
1972	47	1	56,740	1,531	56,693	1,530	924	5,587	81	467	–843	–5,120
1973	127	3	53,587	1,425	53,460	1,422	1,099	6,578	84	482	–1,015	–6,097
1974	2,080	52	60,661	1,620	58,581	1,568	962	5,731	79	458	–883	–5,273
1975	940	24	66,309	1,781	65,369	1,738	712	4,227	74	427	–638	–3,800
1976	1,203	30	60,021	1,597	58,818	1,567	741	4,434	79	452	–662	–3,982
1977	1,647	41	54,312	1,442	52,665	1,401	800	4,728	70	408	–730	–4,321
1978	2,953	74	40,714	1,078	37,761	1,004	733	4,364	74	432	–659	–3,932
1979	2,059	51	66,042	1,753	63,983	1,702	707	4,108	86	505	–621	–3,603
1980	1,194	30	91,742	2,421	90,548	2,391	603	3,463	94	551	–509	–2,912
1981	1,043	26	112,541	2,944	111,498	2,918	584	3,303	134	781	–450	–2,522
1982	742	19	106,277	2,787	105,535	2,768	593	3,359	211	1,224	–382	–2,135
1983	1,271	32	77,772	2,045	76,501	2,013	629	3,568	210	1,217	–419	–2,351
1984	1,286	32	61,462	2,151	60,196	2,119	736	4,131	198	1,181	–538	–2,970
1985	1,952	49	92,680	2,438	90,728	2,389	681	3,796	211	1,225	–470	–2,571
1986	2,212	55	85,518	2,248	83,306	2,193	712	4,006	226	1,320	–486	–2,686

Z Less than 500,000. [1] Beginning 1977, includes strategic petroleum reserve imports.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

NO. 924. CRUDE OIL IMPORTS INTO U.S., BY COUNTRY OF ORIGIN: 1970 TO 1986

COUNTRY OF ORIGIN	IMPORTS (mil. 42-gal. bbls.)													PERCENT DISTRIBUTION		
	1970	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1970	1980	1986
Total	483	1,184	1,498	2,414	2,320	2,380	1,926	1,605	1,273	1,215	1,254	1,168	1,525	100.0	100.0	100.0
Canada	245	365	219	102	90	99	73	60	78	100	125	171	208	50.7	3.8	13.6
Mexico	–	(Z)	26	65	115	160	186	171	235	280	241	261	227	–	9.6	14.9
Norway	–	–	5	18	38	28	53	42	37	24	41	11	19	–	2.7	1.2
Trinidad-Tobago	(Z)	22	42	49	52	45	42	37	34	30	32	36	34	(Z)	2.2	2.2
United Kingdom	–	–	–	36	62	72	63	135	161	133	136	102	116	–	3.3	7.6
OPEC	222	767	1,171	2,058	1,892	1,866	1,414	1,067	633	540	553	479	771	46.0	73.4	50.6
Algeria	2	44	96	196	231	222	167	95	33	64	71	31	28	.4	8.7	1.8
Ecuador	–	17	21	20	14	11	6	14	12	21	17	20	23	–	.3	1.5
Gabon	–	–	10	13	14	15	9	13	14	21	21	19	9	–	.5	.6
Indonesia	26	73	138	195	139	115	118	82	115	111	107	108	108	5.4	6.2	7.1
Iran	12	79	102	193	202	106	3	–	13	18	4	10	7	2.5	.2	.5
Iraq	–	2	(Z)	27	23	32	10	–	1	4	5	17	29	–	.5	1.9
Kuwait	12	15	1	15	2	2	10	–	1	3	9	1	10	2.5	.5	.7
Libya	17	49	81	257	233	234	200	116	8	–	–	–	–	3.5	10.4	–
Nigeria	17	164	272	412	332	390	308	223	186	110	76	102	160	3.5	16.0	10.5
Qatar	–	3	7	24	23	11	8	3	3	–	1	–	4	–	.4	.3
Saudi Arabia	15	169	256	501	417	492	458	406	194	117	113	48	226	3.1	23.8	14.9
United Arab Emirates	23	26	43	122	141	103	63	28	30	7	33	13	14	4.8	3.3	.9
Venezuela	98	126	144	91	66	107	57	54	56	60	93	112	152	20.3	3.0	10.0
Other	16	30	35	86	71	110	95	93	95	108	124	109	150	3.3	4.9	9.8

– Represents zero. Z Less than 500,000 or less than .05 percent.

Source: 1970–1975, U.S. Bureau of Mines, *Minerals Yearbook* and *Mineral Industry Surveys*; 1977–1980, U.S. Energy Information Administration, *Petroleum Statement, annual*; thereafter, U.S. Energy Information Administration, *Petroleum Supply Annual*

Digitized by Google

No. 925. Crude Oil and Refined Products Summary: 1973 to 1987

[Barrels of 42 gallons. Data are averages]

Year and month	Crude oil (1,000 bbl. per day)					Refined oil products (1,000 bbl. per day)			Total oil imports [3] (1,000 bbl. per day)	Crude oil stocks [2] (mil. bbl.)	
	Input to refineries	Domestic production	Imports			Domestic demand	Imports	Exports		Total	Strategic reserve
			Total [1]	Strategic reserve	Exports						
1973	12,431	9,208	3,244	(x)	2	17,308	3,012	229	6,256	242	(x)
1974	12,133	8,774	3,477	(x)	3	16,653	2,635	218	6,112	265	(x)
1975	12,442	8,375	4,105	(x)	6	16,322	1,951	204	6,056	271	(x)
1976	13,416	8,132	5,287	(x)	8	17,461	2,026	215	7,313	285	(x)
1977	14,602	8,245	6,615	21	50	18,431	2,193	193	8,807	348	?
1978	14,739	8,707	6,356	162	158	18,847	2,008	204	8,363	376	67
1979	14,648	8,552	6,519	67	235	18,513	1,937	236	8,456	430	91
1980	13,481	8,597	5,263	44	267	17,056	1,646	258	6,909	486	108
1981	12,470	8,572	4,396	256	228	16,058	1,599	367	5,996	594	230
1982	11,774	8,649	3,488	165	236	15,296	1,625	579	5,113	644	294
1983	11,685	8,688	3,329	234	164	15,231	1,722	575	5,051	720	379
1984	12,044	8,879	3,426	197	181	15,726	2,011	541	5,437	796	451
1985	12,002	8,971	3,201	118	204	15,726	1,866	577	5,067	814	493
1986	12,716	8,680	4,178	48	154	16,281	2,045	631	6,224	843	512
1st qtr	11,981	9,108	3,143	45	178	16,183	1,845	645	4,987	838	497
2d qtr	13,017	8,775	4,190	54	144	15,996	2,039	594	6,229	828	502
3d qtr	13,100	8,454	4,872	50	153	16,278	2,195	603	7,067	844	506
4th qtr	12,748	8,394	4,482	43	142	16,651	2,091	682	6,573	843	512
1987 [4]	12,543	8,364	4,202	73	(NA)	16,267	1,821	(NA)	6,022	853	527
1st qtr	12,317	8,381	4,008	77	187	16,356	1,876	662	5,864	853	520
2d qtr	12,767	8,345	4,392	67	(NA)	16,233	1,769	(NA)	6,161	853	527

NA Not available. X Not applicable. [1] Includes Strategic Petroleum Reserve. [2] Crude oil (including Strategic Petroleum Reserve imports) plus refined products. [3] End of year or quarter. [4] Preliminary.

Source: U.S. Energy Information Administration, *Monthly Energy Review*, April 1987.

No. 926. Energy Producing Companies—Selected Financial and Investment Indicators, 1978 to 1985

[Based on data from major publicly-owned domestic crude oil producing companies which either had at least one percent of domestic production or reserves of oil, natural gas, coal, or uranium, or at least one percent of refining capacity or petroleum product sales. There were 26 companies during 1978 through 1982, 25 in 1983, and 22 during 1984 and 1985]

Item	1978	1979	1980	1981	1982	1983	1984	1985
INCOME STATEMENT (bil. dol.)								
Operating revenues	294.8	392.6	518.6	575.7	549.7	511.0	517.4	492.5
Operating expenses	*265.0*	*345.8*	*455.9*	*520.8*	*504.2*	*462.8*	*467.9*	*444.2*
Operating income	29.8	46.8	62.7	54.8	45.5	48.2	50.1	48.3
Pretax income	30.2	48.6	66.9	60.0	45.2	47.4	47.8	43.6
Net income	13.9	23.5	31.0	30.0	21.8	21.9	21.3	17.4
Funds from operations [1]	31.2	45.4	59.0	61.6	60.4	60.7	63.8	60.5
BALANCE SHEET (bil. dol.)								
Net property, plant, and equipment	138.1	159.3	188.9	224.9	265.5	278.4	292.4	297.7
Net investment in place [2]	148.1	169.9	202.6	240.8	282.5	296.3	309.1	315.4
Total assets	237.1	282.8	333.0	372.5	411.9	421.8	442.9	438.4
RATIOS (percent)								
Net income to operating revenues	4.7	6.0	6.0	5.2	4.0	4.3	4.1	3.5
Net income to total assets	5.9	8.3	9.3	8.0	5.3	5.2	5.0	4.0
Net income to stockholders' equity	12.8	18.8	21.1	18.1	11.9	11.4	12.1	10.5
Long-term debt to stockholders' equity [3]	35.6	33.7	31.5	32.2	37.1	34.8	49.5	54.3
Long-term debt to total assets [3]	16.3	14.9	13.9	14.3	16.8	15.9	20.8	20.5

[1] The sum of net income, depreciation, depletion and amortization, deferred taxes, dry hole expenses, etc. [2] Composed of net property, plant and equipment plus investment and advances to unconsolidated subsidiaries. [3] Long-term debt includes amounts applicable to capitalized leases.

Source: U.S. Energy Information Administration, *Performance Profiles of Major Energy Producers*, annual, and unpublished data.

Digitized by Google

No. 927. Petroleum and Coal Products—Sales, Net Profit, and Profit Per Dollar of Sales: 1975 to 1986

[Represents SIC group 29. Profit rates are averages of quarterly figures at annual rates]

ITEM	Unit	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986 [1]
Sales	Bil. dol.	121.8	141.3	162.3	180.3	242.7	333.2	376.1	357.1	312.7	338.4	320.9	226.5
Net profit:													
Before income taxes	Bil. dol.	13.3	16.9	17.8	19.2	32.2	39.1	35.3	27.8	27.1	24.5	17.7	9.8
After income taxes	Bil. dol.	9.3	11.7	12.2	12.8	21.9	25.5	23.7	19.7	19.3	17.2	12.7	6.8
Depreciation [2]	Bil. dol.	5.6	5.9	6.6	7.7	9.5	11.8	13.7	16.3	17.5	20.7	22.1	21.9
Profits per dollar of sales:													
Before income taxes	Cents	10.9	12.0	11.0	10.6	13.3	11.7	9.4	7.8	8.7	7.2	5.5	4.1
After income taxes	Cents	7.6	8.3	7.5	7.1	9.0	7.7	6.3	5.5	6.2	5.1	4.0	3.0
Profits on stockholders' equity:													
Before income taxes	Percent	17.9	20.3	19.9	19.8	30.0	30.7	25.6	18.7	17.6	14.3	11.7	6.8
After income taxes	Percent	12.5	14.1	13.6	13.3	20.4	20.0	17.2	13.2	12.7	10.0	8.5	6.1

[1] Excludes estimates for corporations with less than $250,000 in assets at time of sample selection. Prior periods include estimates for corporations in this size category. [2] Includes depletion and accelerated amortization of emergency facilities.

Source: Through 1981, U.S. Federal Trade Commission and, beginning 1982, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*.

No. 928. Major Petroleum Companies—Financial Data Summary: 1973 to 1986

[Data represent a composite of approximately 41 major worldwide petroleum companies aggregated on a consolidated, total company basis]

ITEM	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
FINANCIAL DATA (bil. dol.)												
Net income	11.8	11.6	15.1	16.0	32.8	32.9	29.2	21.1	20.6	22.7	19.4	11.0
Depreciation, depletion, etc.	10.5	11.3	18.3	19.8	24.9	32.5	34.9	37.2	37.4	45.3	53.0	42.1
Cash flow [1]	22.3	22.8	33.4	35.8	57.7	65.4	64.1	58.3	58.1	68.0	72.4	53.2
Dividends paid	4.0	4.7	6.3	6.8	8.0	9.3	10.6	10.6	10.5	11.6	12.0	12.2
Net internal funds available for investment or debt repayment [2]	18.3	18.1	27.1	29.0	49.7	56.1	53.5	47.7	47.6	56.4	60.4	41.0
Capital and exploratory expenditures	16.9	26.9	31.8	37.1	51.1	62.1	79.2	67.8	60.7	57.5	58.3	41.3
Long-term capitalization	102.9	121.1	150.1	168.0	196.9	211.4	248.1	243.8	240.0	265.7	272.1	275.8
Long-term debt	22.5	28.9	38.4	45.1	48.1	49.8	59.2	62.6	61.0	95.8	93.5	95.2
Preferred stock	.4	.4	.9	.9	.9	2.0	2.0	3.5	3.5	5.2	3.3	2.9
Common stock and retained earnings [3]	80.0	91.9	110.8	122.0	147.9	159.6	186.9	177.7	175.5	184.7	175.3	177.7
Excess of expenditures over cash income [4]	-2.0	8.9	4.7	8.1	1.4	6.0	25.7	20.1	3.1	1.1	-2.1	.3
RATIOS [5] (percent)												
Long-term debt to long-term capitalization	22.0	23.8	25.6	26.8	24.4	23.6	23.8	25.7	25.4	33.5	34.4	34.5
Net income to total average capital	12.0	10.0	10.1	9.9	17.8	17.0	10.4	8.6	8.6	8.6	7.0	4.0
Net income to average common equity	15.6	13.1	13.9	13.5	24.0	22.5	17.7	11.5	12.0	12.5	10.8	6.2

[1] Generally represents internally-generated funds from operations. Sum of net income and noncash charges such as depreciation, depletion, and amortization. [2] Cash flow minus dividends paid. [3] Includes common stock, capital surplus, and earned surplus accounts after adjustments. [4] Capital and exploratory expenditures plus dividends paid minus cash flow. [5] Represent approximate year-to-year comparisons because of changes in the makeup of the group due to mergers and other corporate changes.

Source: Carl H. Pforzheimer & Co., New York, NY, *Comparative Oil Company Statements, 1986-1985*, and earlier reports.

No. 929. Electric Utility Sales and Average Prices, by End-Use Sectors: 1970 to 1986

[Prior to 1980, covers Class A and B privately-owned electric utilities; thereafter, Class A utilities whose electric operating revenues were $100 million or more during the previous year]

YEAR	SALES (bil. kWh)				AVERAGE PRICE OF ELECTRICITY SOLD (cents per kWh)							
					Current dollars				Constant (1982) dollars [2]			
	Total [1]	Residential	Commercial	Industrial	Total [1]	Residential	Commercial	Industrial	Total [1]	Residential	Commercial	Industrial
1970	1,392	466	307	571	1.67	2.22	2.08	1.02	3.98	5.29	4.95	2.43
1971	1,470	500	329	589	1.77	2.32	2.20	1.10	3.99	5.23	4.95	2.48
1972	1,595	539	353	641	1.86	2.42	2.29	1.18	4.02	5.20	4.92	2.49
1973	1,713	579	388	686	1.96	2.54	2.41	1.25	3.96	5.13	4.87	2.53
1974	1,706	578	385	685	2.49	3.10	3.04	1.69	4.61	5.74	5.63	3.13
1975	1,747	588	403	688	2.92	3.51	3.45	2.07	4.92	5.92	5.82	3.49
1976	1,855	606	425	754	3.09	3.73	3.69	2.21	4.90	5.91	5.85	3.50
1977	1,948	645	447	786	3.42	4.05	4.09	2.50	5.08	6.02	6.08	3.7
1978	2,018	674	461	809	3.69	4.31	4.36	2.79	5.11	5.97	6.04	3.86
1979	2,071	683	473	842	3.99	4.64	4.68	3.05	5.08	5.90	5.95	3.88
1980	2,094	717	488	815	4.73	5.36	5.48	3.69	5.52	6.25	6.39	4.31
1981	2,147	722	514	826	5.46	6.20	6.29	4.29	5.81	6.60	6.69	4.56
1982	2,086	730	526	745	6.13	6.86	6.86	4.95	6.13	6.86	6.86	4.95
1983	2,151	751	544	776	6.30	7.18	7.02	4.96	6.06	6.91	6.76	4.77
1984	2,285	780	577	839	6.52	7.54	7.33	5.04	6.03	6.98	6.78	4.66
1985	2,326	784	605	835	6.71	7.79	7.47	5.16	6.02	6.99	6.70	4.63
1986	2,377	826	647	818	6.40	7.41	7.13	4.87	5.59	6.48	6.23	4.26

[1] Includes other sectors not shown separately. [2] Based on the GNP implicit price deflator; see table 732.

Source: U.S. Energy Information Administration, *Annual Energy Review*.

Digitized by Google

No. 930. Electric Utility Industry—Electric Energy Production, and Net Summer Capability by Type of Prime Mover, and Consumption of Fuels: 1960 to 1986

[Production for **calendar years**; other data as of **December 31**. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series S 32–52, S 78–82, and S 86–107]

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
PRODUCTION											
Total	Bil. kWh	**756**	**1,532**	**1,918**	**2,286**	**2,295**	**2,241**	**2,310**	**2,416**	**2,470**	**2,489**
Average annual change [1]	Percent	6.6	7.3	4.6	3.6	.4	−2.3	3.1	4.6	2.2	.8
Production, kWh per kW of net summer capability [2]	Ratio	4,522	4,554	3,903	3,952	3,836	3,652	3,720	3,805	3,771	3,734
Privately owned	Bil. kWh	579	1,183	1,487	1,783	1,786	1,712	1,764	1,849	1,918	1,928
Percent of total utilities	Percent	76.8	77.2	77.5	78.0	77.8	76.4	76.4	76.5	77.7	77.5
Publicly owned	Bil. kWh	175	349	431	503	509	530	546	567	552	559
Municipal	Bil. kWh	37	71	82	87	81	77	73	75	74	79
Federal	Bil. kWh	112	186	221	235	232	241	258	254	239	225
Cooperatives and other	Bil. kWh	26	91	128	182	196	212	215	239	245	255
Source of energy:											
Coal [3]	Percent	53.3	46.0	44.8	51.0	52.7	53.4	54.8	55.9	56.8	55.8
Nuclear	Percent	.1	1.4	9.0	11.0	11.9	12.6	12.7	13.6	15.5	16.6
Oil	Percent	6.4	12.0	15.1	10.6	9.0	6.5	6.3	5.0	4.0	5.5
Gas	Percent	20.9	24.3	15.6	15.1	15.1	13.6	11.9	12.3	11.8	10.0
Hydro	Percent	19.3	16.2	15.6	12.1	11.4	13.8	14.4	13.3	11.9	12.1
Type of prime mover: [4]											
Hydro	Bil. kWh	146	248	300	276	261	309	332	321	281	291
Steam conventional [5]	Bil. kWh	603	1,240	1,414	1,726	1,730	1,628	1,661	1,742	1,778	1,757
Gas turbine	Bil. kWh		16	22	24	22	14	14	15	14	14
Steam nuclear	Bil. kWh	1	22	173	251	273	283	294	328	384	414
Internal combustion	Bil. kWh	4	6	6	4	3	2	2	2	2	2
NET SUMMER CAPABILITY											
Total [6]	**Mil. kW**	**167**	**336**	**491**	**579**	**598**	**614**	**621**	**635**	**655**	**666**
Average annual change [1]	Percent	7.9	7.2	7.9	3.4	3.4	2.6	1.2	2.3	3.1	1.7
Hydro	Mil. KW	36	64	78	82	82	83	84	85	89	89
Steam conventional [7]	Mil. kW	126	248	333	397	411	421	425	431	437	441
Gas turbine	Mil. kW	-	13	37	43	43	44	43	44	44	44
Steam nuclear	Mil. kW	(z)	7	37	52	58	60	63	70	80	85
Internal combustion	Mil. kW	3	4	5	5	5	5	5	5	5	5
NUMBER OF PRIME MOVERS											
Prime movers, total [8]	**Number**	**3,435**	**3,533**	**3,567**	**3,575**	**3,567**	**3,515**	**3,486**	**3,475**	**3,483**	**3,461**
Hydro	Number	1,931	1,188	1,146	1,142	1,147	1,168	1,182	1,194	1,216	1,230
Steam conventional	Number	1,055	998	937	934	937	916	910	905	883	878
Gas turbine	Number		323	497	541	540	541	542	544	541	543
Steam nuclear	Number	5	16	42	51	53	53	55	55	62	64
Internal combustion	Number	1,044	1,008	965	907	890	837	797	777	761	746
CONSUMPTION OF FUELS											
Net generation by fuel [9]	Bil. kWh	610	1,264	1,618	2,010	2,034	1,932	1,978	2,095	2,189	2,198
Average annual change [1]	Percent	6.9	7.7	4.7	4.4	1.2	−5.0	2.4	5.9	4.5	.4
Coal	Bil. kWh	403	704	853	1,162	1,203	1,192	1,259	1,342	1,402	1,388
Percent of total	Percent	66.1	54.8	52.7	57.8	59.1	61.7	63.7	64.1	64.0	63.1
Petroleum	Bil. kWh	48	184	289	246	206	147	144	120	100	137
Gas	Bil. kWh	158	373	300	348	346	305	274	297	292	248
Nuclear	Bil. kWh	1	22	173	251	273	283	294	328	384	414
Fuel consumed:											
Total energy equivalent	Quad. Btu	6.57	13.40	15.19	18.57	18.55	17.49	17.75	18.53	18.79	18.61
Coal	Mil. sh. tons	177	320	406	569	597	594	625	664	694	685
Oil	Mil. bbl.	88	339	506	421	352	251	247	206	174	231
Gas	Bil cu. ft	1,725	3,932	3,158	3,682	3,640	3,226	2,911	3,111	3,044	2,600

- Represents zero. Z Less than .5 million. [1] Change from prior year shown; for 1960, change from 1955. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Net summer capability is the steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary power as demonstrated by test at the time of summer peak demand. [3] Includes small percentage from wood and waste, geothermal, and petroleum coke. [4] A prime mover is the engine, turbine, water wheel, or similar machine which drives an electric generator. [5] Fossil fuels only. [6] Includes wind, solar thermal, and photovoltaic, not shown separately. [7] Includes fossil steam, wood, and waste. [8] Each prime mover type in combination plants counted separately prior to 1975. [9] Includes small amounts of wood, waste, wind, geothermal, solar thermal, and photovoltaic.

Source: 1960–1970, U.S. Federal Power Commission, *Electric Power Statistics*, and press releases, thereafter, U.S. Energy Information Administration, 1975–1980, *Power Production, Fuel Consumption, and Installed Capacity Data—Annual*, and unpublished data; thereafter, *Electric Power Annual, Annual Energy Review*, and unpublished data.

Digitized by Google

No. 931. Electric Utility Industry—Capability, Peak Load, and Capacity Margin: 1970 to 1986

[Excludes Alaska and Hawaii. Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions, allowing for maintenance, emergency outages, and system operating requirements. Capacity margin is the difference between capability and peak load]

Year	Capability at the time of—				Non-coincident peak load		Capacity margin			
	Summer peak load (1,000 kW)		Winter peak load [1] (1,000 kW)				Summer		Winter	
	Amount	Change from prior year	Amount	Change from prior year	Summer	Winter [1]	Amount (1,000 kW)	Percent of capability	Amount (1,000 kW)	Percent of capability
1970	326,900	[2] 26,600	339,050	[2] 27,800	274,650	248,550	52,250	16.0	90,500	26.7
1971	353,250	26,350	366,700	27,650	292,100	261,650	61,150	17.3	105,050	28.6
1972	381,700	28,450	394,050	27,350	319,150	290,950	62,550	16.4	103,100	26.2
1973	415,500	33,800	433,150	39,100	343,900	295,100	71,800	17.2	138,050	31.9
1974	444,400	28,900	467,400	34,250	349,250	302,500	95,150	21.4	164,900	35.3
1975	479,300	34,900	492,450	25,050	356,800	331,100	122,500	25.6	161,350	32.9
1976	496,750	19,450	511,000	18,550	370,900	349,850	127,850	25.6	161,150	31.5
1977	516,000	17,250	537,600	26,600	395,350	360,200	119,850	23.2	177,400	33.0
1978	545,700	29,700	561,550	23,950	408,050	383,100	135,650	24.9	178,450	31.8
1979 [3]	544,506	−1,194	554,525	−7,025	398,424	368,878	146,082	26.8	185,649	33.5
1980	558,237	13,731	572,195	17,670	427,058	384,567	131,179	23.5	187,628	32.8
1981	572,219	13,982	586,569	14,374	426,295	391,106	143,924	25.2	188,769	32.2
1982	586,142	13,923	598,066	11,497	414,909	373,318	171,233	29.2	224,081	37.5
1983	596,449	10,307	612,653	14,587	447,526	410,779	148,923	25.0	201,874	32.9
1984	604,240	7,791	622,125	9,673	451,150	436,374	153,090	25.3	185,751	29.9
1985	621,597	17,357	636,475	14,350	480,503	423,660	161,094	25.9	212,815	33.4
1986	627,051	5,454	646,721	10,246	476,320	422,857	150,731	24.0	223,864	34.6

[1] Prior to 1973, data was for the month of December. [2] Change from 1969. [3] Beginning 1979, data are not entirely comparable with prior years due to change in data source.

Source: Edison Electric Institute, Washington, DC, *Statistical Yearbook of the Electric Utility Industry*, annual.

No. 932. Electric Energy—Production and Installed Generating Capacity, by State: 1980 to 1986

[Capacity as of Dec. 31. Covers utilities for public use]

Division and state	Production (bil. kWh)			Installed capacity (mil. kW)		
	1980	1985	1986	1980	1985	1986
U.S	2,286.4	2,469.8	2,487.3	613.5	698.1	707.7
N.E	78.2	81.4	87.6	21.1	21.4	22.6
ME	7.9	9.1	10.9	2.4	2.4	2.4
NH	6.0	6.0	6.1	1.6	1.4	1.4
VT	3.8	4.2	3.1	.9	1.1	1.1
MA	34.8	36.3	34.5	9.6	10.0	10.0
RI	1.0	.5	.7	.3	.3	.3
CT	24.7	25.2	32.2	6.3	6.2	7.4
M.A	260.5	261.2	267.7	78.4	82.3	81.6
NY	108.6	111.8	111.3	31.4	32.5	32.3
NJ	29.4	34.4	28.8	12.6	13.4	14.6
PA	122.5	135.0	147.6	34.4	36.4	34.7
E.N.C	397.0	408.6	414.6	107.9	117.9	118.3
OH	110.2	110.8	111.5	27.4	27.3	28.5
IN	70.6	78.5	77.3	17.1	21.3	21.5
IL	103.4	103.7	106.9	29.9	32.7	32.5
MI	74.8	74.5	76.1	22.7	24.1	24.1
WI	37.8	41.2	42.8	10.7	11.6	11.6
W.N.C	168.2	185.1	185.1	49.0	57.3	57.3
MN	31.5	31.0	28.4	8.8	8.5	8.5
IA	21.8	23.5	24.1	7.3	8.6	8.6
MO	48.9	57.3	54.2	13.8	16.6	16.6
ND	15.8	22.1	22.2	3.4	4.6	4.7
SD	8.6	7.8	7.8	2.2	2.5	2.6
NE	18.3	15.9	18.8	5.1	6.0	5.9
KS	25.1	27.5	29.5	8.3	10.5	10.5
S.A	417.8	467.9	483.2	111.5	129.7	132.7
DE	6.7	8.5	8.4	1.8	1.9	1.9
MD	32.2	32.3	37.7	9.2	10.4	10.4
DC	.7	.1	.2	1.2	.9	.9
VA	34.3	42.1	42.6	11.7	13.6	13.6
WV	70.8	79.5	77.5	15.2	15.2	15.2
NC	72.1	74.5	76.8	15.6	19.7	19.6
SC	41.9	53.6	56.5	11.7	15.1	16.3
GA	63.3	80.9	74.9	16.3	18.7	19.6
FL	95.9	96.4	108.5	29.0	34.2	34.9
E.S.C	214.1	221.5	210.9	53.3	61.9	62.2
KY	57.1	63.0	66.9	13.6	16.8	16.8
TN	60.2	66.6	56.5	15.9	18.0	18.3
AL	78.3	72.7	68.6	18.2	20.0	20.0
MS	18.5	19.2	19.0	5.5	7.1	7.1
W.S.C	313.1	342.5	351.9	84.7	98.7	101.4
AR	19.7	35.6	35.1	7.2	9.3	9.0
LA	45.7	44.3	52.8	12.9	18.4	18.3
OK	44.6	44.1	41.1	11.3	13.0	13.6
TX	203.0	218.5	222.9	53.3	58.0	60.7
Mt	158.8	201.6	203.1	35.8	46.3	49.1
MT	15.5	16.8	22.4	3.2	4.9	4.9
ID	9.5	10.9	12.2	2.0	2.0	2.0
WY	22.4	35.7	28.8	4.1	5.9	5.9
CO	23.6	28.8	28.3	6.1	7.3	7.3
NM	24.7	27.1	23.6	5.0	5.5	5.5
AZ	36.9	48.2	51.2	9.4	12.1	13.7
UT	12.1	15.4	16.8	2.1	3.0	4.3
NV	14.1	16.7	20.0	3.9	5.6	5.5
Pac	278.8	280.1	273.3	71.9	82.6	82.5
WA	92.3	93.1	92.5	23.0	23.7	23.7
OR	36.6	48.2	47.9	8.5	10.6	10.6
CA	140.3	127.8	121.9	37.8	45.1	45.0
AK	3.1	4.3	4.3	1.1	1.7	1.7
HI	6.5	6.6	6.9	1.4	1.5	1.5

Source: U.S. Energy Information Administration, 1980, *Power Production, Fuel Consumption, and Installed Capacity Data*, annual, 1985 and 1986, *Electric Power Annual* and *Inventory of Power Plants in the United States, 1986*.

Digitized by Google

No. 933. Privately and Publicly Owned Electric Utility Generating Plants—Number and Capacity, by Type and Size of Prime Mover: 1970 to 1986

[Capacity as of Dec. 31. Each prime mover type in combination plants is counted separately. For definition of prime mover, see table 930, footnote 3]

Type and size of prime mover	Privately owned						Publicly owned					
	Number of prime movers			Capacity (mil. kW)			Number of prime movers			Capacity (mil. kW)		
	1970	1980	1986	1970	1980	1986	1970	1980	1986	1970	1980	1986
Total	**2,037**	**2,094**	**1,998**	**262.8**	**477.0**	**524.9**	**1,496**	**1,481**	**1,466**	**78.8**	**136.6**	**164.3**
Steam, conventional	672	626	585	222.4	361.4	387.0	326	308	293	37.7	63.1	82.0
Under 100,000 kW	220	134	94	8.2	5.6	4.4	254	195	159	6.9	6.2	6.1
100,000–500,000 kW	299	239	225	77.1	64.0	60.5	58	75	85	12.3	17.4	21.0
Over 500,000 kW	153	253	266	137.1	291.8	322.1	14	38	49	18.5	39.6	54.9
Steam, nuclear	15	43	57	5.7	48.0	66.7	1	8	10	.8	8.5	12.2
Over 500,000 kW	7	37	54	4.5	46.8	66.1	1	7	9	.8	8.5	12.2
Hydro	754	732	752	18.9	24.2	28.4	434	410	478	36.3	52.1	56.1
Over 25,000 kW	165	173	176	15.6	21.0	25.1	164	186	200	35.1	51.0	54.7
Gas turbine	265	411	403	14.4	41.6	41.3	58	130	140	1.1	9.1	10.4
Over 25,000 kW	126	281	280	12.1	39.4	39.3	12	65	73	.4	8.0	9.4
Internal combustion	331	282	201	1.3	1.8	1.5	677	625	545	3.0	3.7	3.5
Under 5,000 kW	238	166	100	.5	.4	.2	471	358	269	1.0	.7	.6
Over 5,000 kW	93	116	101	.9	1.5	1.3	206	267	256	2.0	3.0	2.9

Source: U.S. Energy Information Administration, unpublished data.

No. 934. Electric Energy Sales, by Class of Service, 1970 to 1986, and by State, 1986

[In billions of kilowatthours]

Year, division, and state	Total [1]	Residential	Commercial	Industrial
1970	1,392.3	466.3	306.7	570.9
1973	1,712.9	579.2	386.3	686.1
1975	1,747.1	586.1	403.0	687.7
1979	2,071.1	682.8	473.3	841.9
1980	2,094.4	717.5	488.2	815.1
1981	2,147.1	722.3	514.3	825.7
1982	2,086.4	729.5	526.4	744.9
1983	2,151.0	750.9	543.8	776.0
1984	2,278.4	777.7	578.3	840.6
1985	2,309.5	791.0	609.0	824.5
1986, total	**2,350.7**	**817.7**	**641.5**	**808.3**
New England	**91.8**	**32.8**	**31.5**	**25.7**
Maine	10.2	3.6	2.2	4.2
New Hampshire	7.5	3.1	1.6	2.8
Vermont	4.0	1.4	.9	1.6
Massachusetts	39.9	13.6	15.8	9.6
Rhode Island	5.6	2.1	2.1	1.3
Connecticut	24.7	9.1	8.9	6.3
Middle Atlantic	**274.5**	**86.5**	**89.1**	**86.2**
New York	116.1	34.1	42.6	28.6
New Jersey	55.9	18.0	21.8	15.6
Pennsylvania	102.5	34.3	24.8	42.0
East North Central	**403.2**	**125.3**	**93.7**	**170.5**
Ohio	124.1	35.4	26.3	58.3
Indiana	60.0	20.6	12.2	26.5
Illinois	101.5	30.9	27.0	36.8
Michigan	74.3	23.1	17.9	32.1
Wisconsin	43.4	15.3	10.2	16.9
West North Central	**166.9**	**64.0**	**43.8**	**54.1**
Minnesota	39.1	13.8	6.9	17.8
Iowa	26.5	10.0	5.8	9.7
Missouri	48.4	19.7	15.3	12.6
North Dakota	6.7	3.0	1.6	1.5
South Dakota	6.0	2.8	1.2	1.6
Nebraska	16.2	6.4	4.8	3.8
Kansas	24.0	8.4	8.1	7.0
South Atlantic	**446.6**	**177.3**	**121.0**	**133.6**
Delaware	6.8	2.1	1.8	2.8
Maryland [2]	50.5	17.1	14.1	18.4
Virginia	62.8	25.2	16.5	14.2
West Virginia	20.6	7.0	4.5	9.0
North Carolina	74.2	27.7	18.2	26.8
South Carolina	49.2	16.1	9.8	22.7
Georgia	66.1	24.3	17.2	23.8
Florida	116.4	57.8	38.9	15.9
East South Central	**199.6**	**72.8**	**44.6**	**77.9**
Kentucky	50.5	15.6	8.5	24.1
Tennessee	68.9	27.2	16.2	22.7
Alabama	52.8	18.9	11.0	22.4
Mississippi	27.4	11.1	7.0	8.7
West South Central	**328.4**	**115.1**	**83.3**	**117.6**
Arkansas	22.2	9.2	5.3	7.1
Louisiana	57.5	19.9	12.5	21.2
Oklahoma	36.0	13.8	9.8	10.4
Texas	212.7	72.3	55.6	78.8
Mountain	**135.0**	**43.1**	**40.3**	**45.6**
Montana	11.6	3.2	2.3	5.9
Idaho	15.8	5.4	4.4	5.9
Wyoming	10.4	1.8	1.6	6.9
Colorado	27.6	8.9	11.4	5.9
New Mexico	11.8	3.2	3.9	3.7
Arizona	34.0	12.6	11.0	8.5
Utah	13.0	3.9	3.8	4.3
Nevada	11.0	4.1	1.8	4.4
Pacific	**304.7**	**100.8**	**94.2**	**97.1**
Washington	74.6	26.6	16.2	29.1
Oregon	34.9	13.4	10.0	11.2
California	184.6	57.6	64.7	53.0
Alaska	3.5	1.3	1.6	.5
Hawaii	6.9	1.9	1.8	3.2

[1] Includes other service, not shown separately. [2] Includes District of Columbia.

Source: U.S. Energy Information Administration, *Electric Power Annual, 1986*.

Digitized by Google

NO. 935. ELECTRIC UTILITIES—GENERATION, SALES, REVENUE, AND CUSTOMERS: 1970 TO 1986

[Sales and revenue are to and from ultimate customers]

CLASS	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Generation [1]	Bil. kWh	1,532	1,918	2,124	2,206	2,247	2,286	2,295	2,241	2,310	2,416	2,470	2,487
Sales [2]	**Bil. kWh**	**1,391**	**1,733**	**1,951**	**2,018**	**2,084**	**2,126**	**2,151**	**2,100**	**2,160**	**2,281**	**2,310**	**2,361**
Residential or domestic	Bil. kWh	448	586	652	679	696	734	730	733	750	783	791	822
Percent of total	Percent	32.2	33.8	33.4	33.7	33.4	34.5	34.0	34.9	34.7	34.3	34.2	34.8
Commercial [3]	Bil. kWh	313	418	469	481	495	524	522	517	546	578	609	623
Industrial [4]	Bil. kWh	573	662	757	792	816	794	820	770	783	835	824	818
Revenue [3]	**Bil. dol**	**22.1**	**46.9**	**62.8**	**69.9**	**79.6**	**95.5**	**110.6**	**121.6**	**129.6**	**143.1**	**149.8**	**153.1**
Residential or domestic	Bil. dol	9.4	18.8	24.7	27.4	30.8	37.8	42.4	47.2	51.2	56.1	59.0	61.2
Percent of total	Percent	42.7	40.1	39.4	39.2	38.7	39.4	38.3	38.8	39.5	39.2	39.4	40.0
Commercial [3]	Bil. dol	6.3	13.5	18.0	19.7	22.3	27.4	31.3	34.2	37.1	41.3	44.2	45.8
Industrial [4]	Bil. dol	5.4	12.7	17.8	20.3	23.8	27.3	33.0	35.9	38.8	40.8	41.4	40.8
Ultimate customers, Dec. 31 [5]	**Million**	**72.5**	**81.8**	**85.6**	**87.7**	**89.8**	**92.7**	**94.0**	**95.3**	**97.0**	**99.4**	**101.5**	**103.6**
Residential or domestic	Million	64.0	72.6	75.9	77.8	79.6	82.2	83.3	84.4	85.8	87.9	89.7	91.5
Commercial [3]	Million	7.9	8.8	8.9	9.1	9.4	9.7	9.8	10.0	10.3	10.6	10.7	11.2
Industrial [4]	Million	.4	.4	.4	.5	.5	.5	.5	.5	.5	.5	.7	.5
Avg. kWh used per customer	**1,000**	**19.4**	**21.4**	**23.1**	**23.3**	**23.5**	**23.2**	**23.0**	**22.2**	**22.5**	**23.2**	**23.0**	**23.0**
Residential	1,000	7.1	8.2	8.7	8.8	8.8	9.0	8.8	8.7	8.8	9.0	9.0	9.1
Commercial [3]	1,000	40.0	49.0	52.9	53.1	53.2	54.5	53.4	52.3	53.6	55.2	57.4	57.9
Avg. annual bill per customer	**Dollar**	**307**	**579**	**740**	**807**	**897**	**1,040**	**1,184**	**1,285**	**1,349**	**1,483**	**1,488**	**1,492**
Residential	Dollar	149	282	329	357	391	462	512	563	592	644	663	675
Commercial [3]	Dollar	804	1,580	2,031	2,177	2,394	2,848	3,207	3,452	3,660	3,940	4,171	4,183
Avg. revenue per kWh sold	**Cents**	**1.59**	**2.70**	**3.21**	**3.46**	**3.82**	**4.49**	**5.14**	**5.78**	**6.00**	**6.27**	**6.47**	**6.49**
Residential	Cents	2.10	3.21	3.78	4.03	4.43	5.12	5.80	6.44	6.83	7.17	7.40	7.44
Commercial [3]	Cents	2.01	3.23	3.84	4.10	4.50	5.22	6.00	6.61	6.80	7.14	7.27	7.23
Industrial [4]	Cents	.95	1.92	2.33	2.59	2.91	3.44	4.03	4.66	4.68	4.88	5.04	5.00

[1] Source: 1970–1975, U.S. Federal Power Commission; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, January 1987. [2] Includes other types not shown separately. [3] Small light and power. [4] Large light and power

Source: Except as noted, Edison Electric Institute, Washington, DC, *Statistical Yearbook*.

NO. 936. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1970 TO 1985

[**In billions of dollars.** As of **Dec. 31.** See also *Historical Statistics, Colonial Times to 1970*, series S 133-146 and V 197-212]

ITEM	CLASS A AND B INVESTOR-OWNED ELECTRIC UTILITIES [1]							MAJOR INVESTOR-OWNED ELECTRIC UTILITIES [2]				
	1970	1975	1977	1978	1979	1980	1981	1981	1982	1983	1984	1985
COMPOSITE BALANCE SHEET												
Assets and other debits	87.4	157.1	192.1	211.1	234.8	260.0	286.0	285.1	315.0	342.4	375.6	404.7
Electric utility plant [3]	93.3	160.7	196.8	218.0	242.3	266.9	292.7	291.6	321.2	347.9	377.2	396.9
Depreciation and amortization	*20.3*	*31.9*	*39.8*	*44.5*	*49.7*	*55.5*	*61.5*	*61.1*	*67.6*	*74.3*	*81.9*	*85.7*
Net electric utility plant	73.1	128.8	157.0	173.5	192.6	211.5	231.2	230.5	253.6	273.6	295.3	311.8
Other utility plant	9.0	11.7	12.6	13.2	13.9	14.8	15.7	15.7	16.7	17.5	18.3	19.0
Depreciation and amortization	*2.1*	*3.1*	*3.7*	*3.9*	*4.2*	*4.5*	*4.9*	*4.9*	*5.3*	*5.6*	*6.1*	*6.5*
Net other utility plant	6.9	8.6	9.0	9.3	9.7	10.3	10.8	10.8	11.4	11.8	12.2	13.4
Total utility plant	102.3	172.4	209.4	231.2	256.2	281.7	308.4	307.3	337.9	365.5	395.5	431.1
Depreciation and amortization	*22.3*	*35.0*	*45.5*	*48.4*	*53.9*	*60.0*	*66.4*	*66.0*	*72.9*	*80.1*	*88.0*	*97.4*
Net total utility plant	79.9	137.4	166.0	182.8	202.3	221.7	242.0	241.3	265.0	285.4	307.5	333.8
Other property and investments	1.7	4.5	5.6	6.4	6.0	6.5	7.9	7.9	9.1	10.3	10.9	12.1
Current and accrued assets	5.3	13.5	18.2	18.9	22.4	26.2	28.7	28.6	31.7	33.3	37.9	39.4
Deferred debits	.4	1.7	2.3	3.0	4.1	5.5	7.3	7.3	9.3	13.4	19.3	19.4
Liabilities and other credits [4]	87.4	157.1	192.1	211.1	234.8	260.0	286.0	285.1	315.0	342.4	375.6	404.7
Capital stock	20.8	37.8	45.6	49.1	53.8	59.3	63.9	63.7	70.3	75.9	79.0	82.8
Other paid-in capital	4.4	11.5	15.8	17.9	19.4	21.5	24.0	23.9	27.7	31.0	33.3	35.5
Retained earnings	9.4	14.7	17.8	19.4	21.0	22.7	25.0	24.8	27.9	31.9	37.1	41.1
Subsidiary earnings [5]	(x)	.6	.8	.9	1.0	1.1	1.3	1.3	1.6	1.7	2.0	2.2
Long-term debt	41.9	70.8	82.2	88.3	95.7	105.3	115.5	115.2	124.0	131.6	140.7	152.7
Current and accrued liabilities	7.3	13.7	18.0	18.3	23.4	26.3	28.4	28.1	28.6	29.5	32.0	32.0
Deferred credits and operating reserves	.9	2.7	5.7	7.1	8.7	9.8	11.5	11.0	15.1	16.6	19.0	20.9
Deferred income taxes [6]	2.2	5.4	8.3	10.0	11.9	14.1	16.7	16.6	19.4	23.6	28.1	32.7
COMPOSITE INCOME ACCOUNTS												
Electric operating revenues	19.8	44.8	56.9	65.4	72.9	87.1	102.3	101.7	109.3	116.7	128.3	135.3
Electric operating expenses	*15.3*	*36.1*	*48.6*	*54.3*	*61.0*	*73.4*	*86.0*	*85.5*	*91.1*	*96.2*	*105.5*	*111.1*
Net electric operating revenues	4.5	8.5	10.3	11.1	11.8	13.8	16.3	16.2	18.1	20.5	22.6	24.1
Other utility operating income	.4	.5	.6	.7	.7	.7	.9	.7	.9	.9	1.1	1.2
Total utility operating income	4.9	9.0	10.9	11.7	12.5	14.4	17.0	17.0	19.1	21.4	24.0	25.3
Other income	.8	2.2	2.2	2.5	3.1	3.8	4.4	4.4	5.3	6.5	6.8	7.4
Total income	5.7	11.3	13.0	14.3	15.6	18.0	21.4	21.3	24.4	28.0	30.8	32.7
Income deductions	*2.3*	*5.1*	*5.0*	*5.5*	*6.1*	*7.3*	*8.7*	*8.7*	*9.4*	*10.1*	*11.1*	*14.0*
Net income [7]	3.4	6.1	8.0	8.7	9.5	10.7	12.7	12.7	15.0	17.9	19.7	18.7

X Not applicable. [1] There were 197 utilities of this type in 1983. [2] There were 183 utilities of this type in 1985. [3] Includes construction work in progress. [4] Includes contributions in aid of construction through 1970. [5] Unappropriated undistributed. [6] Cumulative. [7] Beginning 1975, includes net extraordinary income.

Source: 1970–1975, U.S. Federal Power Commission and 1977–1981, U.S. Energy Information Administration, *Statistics of Privately Owned Electric Utilities in the United States*, annual; thereafter, U.S. Energy Information Administration, *Financial Statistics of Selected Electric Utilities*, annual.

Digitized by Google

No. 937. Nuclear Power Plants—Number, Capacity, and Generation: 1965 to 1986

Item	1965	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Operable reactors [1]	6	16	54	70	68	70	74	77	80	86	95	100
Net summer capability [2] (mil. kW)	9	7.0	37.2	50.7	49.6	51.7	55.9	59.9	63.0	69.7	79.4	85.3
Electricity generated (bil. kWh)	4	22	173	276	255	251	273	283	294	328	384	414
Percent of total electric utility generation	.4	1.4	9.0	12.5	11.4	11.0	11.9	12.6	12.7	13.6	15.5	16.7
Capacity factor [3]	(NA)	(NA)	56.0	64.7	58.5	56.4	58.4	56.7	54.4	56.3	57.9	56.9

NA Not available. [1] As of yearend. [2] Net summer capability is the peak steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary and other powerplant, as demonstrated by test at the time of summer peak demand. [3] Weighted average of monthly capacity factors. Monthly factors are derived by dividing actual monthly generation by the maximum possible generation for the month (hours in month times net maximum dependable capacity).

Source: U.S. Energy Information Administration, *Annual Energy Review*.

No. 938. Commercial Nuclear Power Generation, by Country: 1970 to 1986

[Generation for **calendar years**; other data as of **December**. Excludes Communist countries]

Country	Reactors				Electricity generated [1] (bil. kWh)				Gross capacity (1,000 kW)			
	1970	1980	1985	1986	1970	1980	1985	1986	1970	1980	1985	1986
Total	64	209	295	321	73.9	617.9	1,258.6	1,389.1	15,186	126,847	223,486	247,720
U.S.	15	74	89	96	23.2	255.2	399.1	433.6	5,211	56,529	80,327	87,241
Argentina	-	1	2	2	-	2.3	4.8	5.7	-	357	1,005	1,005
Belgium	1	3	7	7	.3	12.5	34.5	36.6	11	1,744	5,709	5,709
Brazil	-	-	1	1	-	-	3.4	1	-	-	657	657
Canada	1	9	15	17	.9	40.4	62.9	74.5	220	5,588	10,332	11,813
China: Taiwan	-	2	6	6	-	8.2	28.7	26.9	-	1,272	5,146	5,146
Great Britain	27	33	37	38	26.5	37.2	59.6	59.1	4,783	9,012	12,280	12,766
Finland	-	4	4	4	-	7.0	18.8	18.8	-	2,296	2,400	2,400
France	4	22	44	49	5.7	61.2	224.0	254.2	1,606	15,412	38,595	47,156
India	2	4	5	6	2.2	2.9	4.4	5.1	400	860	1,095	1,330
Italy	3	4	3	3	3.9	2.2	7.0	8.7	691	1,490	1,330	1,330
Japan	3	22	33	33	3.3	81.0	152.0	164.9	828	15,117	24,686	24,686
Netherlands	1	2	2	2	.4	4.2	3.9	4.2	55	529	540	540
Pakistan	-	1	1	1	-	1	.3	.5	-	137	137	137
South Korea	-	1	4	6	-	3.5	16.5	37.5	-	587	2,866	4,812
Spain	1	3	8	8	.9	5.2	28.0	37.5	160	1,117	5,812	5,812
Sweden	1	8	12	12	(Z)	26.7	58.6	69.9	12	5,770	9,915	9,915
Switzerland	1	4	5	5	1.9	14.3	22.4	22.5	364	2,034	3,079	3,079
West Germany	4	11	16	17	5.3	43.7	125.7	117.4	907	8,996	16,912	18,295
Yugoslavia	-	-	1	1	-	-	4.1	4.1	-	-	664	664

- Represents zero. Z Less than 50 million kWh. [1] Gross.

Source: McGraw-Hill, Inc., New York, NY, *Nucleonics Week*, January issues. (Copyright.)

No. 939. Uranium Supply, Enrichment, and Discharged Commercial Reactor Fuel: 1970 to 1986

[Years ending **Dec. 31**, except as noted. For explanation of kilogram, see weights and measures]

Item	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
URANIUM (U_3O_8)											
Production	Mil. lb	25.81	23.20	37.47	43.70	38.47	26.87	21.16	14.88	11.31	13.20
Exports	Mil. lb	4.20	1.00	6.20	5.80	4.40	6.20	3.30	2.20	5.30	1.60
Imports	Mil. lb	-	1.40	3.00	3.60	6.60	17.10	8.20	12.50	11.70	11.10
Delivered price	Dol./lb	(NA)	10.50	23.85	26.00	32.20	38.37	38.20	32.65	31.43	30.01
ENRICHMENT											
Enriched product [1]	Mil. Swu [2]	5.10	9.92	13.98	10.69	11.50	12.36	[3] 8.46	[4] 11.2	[4] 10.2	[4] 8.8
For domestic customers	Mil. Swu [2]	3.74	4.36	8.68	6.89	7.19	8.69	[3] 4.69	[4] 5.8	[4] 6.0	[4] 4.9
For foreign customers	Mil. Swu [2]	1.36	5.56	5.31	3.80	4.31	5.67	[3] 3.77	[4] 5.4	[4] 4.2	[4] 3.7
Sales [5]	Mil. dol	(NA)	376	1,432	1,379	1,445	2,185	2,329	[4] 1,457	[4] 1,403	[4] 1,085
DISCHARGED COMMERCIAL REACTOR FUEL [6]											
Annual discharge	Metric tons	82	499	1,258	1,193	1,077	1,014	1,224	1,257	1,330	1,411
Inventory, yearend [7]	Metric tons	118	1,538	5,241	6,434	7,511	8,525	9,749	11,006	12,481	13,881
On-site storage	Metric tons	(NA)	(NA)	(NA)	(NA)	7,032	8,046	9,300	10,642	11,953	13,267
Off-site storage	Metric tons	(NA)	(NA)	(NA)	(NA)	479	479	449	364	528	614

- Represents zero. NA Not available. [1] Based on sales. [2] Separate work unit. The standard measure of enrichment services is based on operating tails assay in effect at the time the enriched product was placed in inventory. [3] Jan.-Sept. only. [4] Fiscal years. [5] Uranium content. Source: Nuclear Assurance Corporation, Atlanta, GA. [6] Reprocessed fuel not included as inventory.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*. *Uranium Industry Annual 1984* and Form EIA-858 "Uranium Industry Annual Survey" (1985); and U.S. Dept. of Energy, *Statistical Data of the Uranium Industry 1983* and *Uranium Enrichment Annual Report 1982-1985* and unpublished data.

Digitized by Google

No. 940. Nuclear Power Plants—Number of Units, Net Summer Capability, and Net Generation by State: 1986

Division and state	Number of units	Net summer capability: Total (mil. kW)	Net summer capability: Percent of total	Net generation: Total (mil. kWh)	Net generation: Percent of total
U.S	100	95.3	12.8	414,038	16.7
N. Eng	8	5.4	24.4	29,386	33.6
ME	1	.8	35.2	6,242	57.3
NH	-	-	-	-	-
VT	1	.5	44.6	2,058	65.4
MA	2	.8	8.5	2,420	6.0
RI	-	-	-	-	-
CT	4	3.2	45.5	18,667	58.0
Mid. Atl	16	14.4	19.2	76,675	26.7
NY	5	3.7	12.4	22,084	19.8
NJ	4	3.9	28.7	14,770	51.3
PA	7	6.8	21.6	39,820	27.0
E. No. Cent	20	16.0	14.8	96,094	15.9
OH	2	2.0	7.7	24	(Z)
IN	-	-	-	-	-
IL	9	8.4	28.9	42,614	40.0
MI	5	4.0	17.9	12,257	16.1
WI	4	1.5	14.1	11,199	26.2
W. No. Cent	8	5.5	10.4	35,832	19.4
MN	3	1.6	19.7	11,052	38.9
IA	1	.5	6.4	2,993	12.4
MO	1	1.1	7.4	7,170	13.2
ND	-	-	-	-	-
SD	-	-	-	-	-
NE	2	1.2	22.3	7,658	40.7
KS	1	1.2	11.8	6,959	23.6
So. Atl	24	20.7	16.9	119,228	24.7
DE	-	-	-	-	-
MD	2	1.7	17.2	12,828	34.0
DC	-	-	-	-	-
VA	4	3.4	26.4	21,215	50.0
So. Atl.—Con.					
WV	-	-	-	-	-
NC	4	3.9	20.3	20,286	26.4
SC	7	6.4	43.0	35,625	63.0
GA	2	1.5	8.6	7,238	9.7
FL	5	3.8	12.1	22,036	20.3
E. So. Cent	8	8.3	12.9	15,544	7.4
KY	-	-	-	-	-
TN	2	2.3	13.5	[1] -10.5	(X)
AL	5	4.8	25.8	11,561	16.9
MS	1	1.1	16.1	4,087	21.5
W. So. Cent	4	3.7	3.9	19,513	5.7
AR	2	1.7	17.8	8,876	25.3
LA	2	2.0	11.8	10,637	20.1
OK	-	-	-	-	-
TX	-	-	-	-	-
Mt	3	2.7	5.8	10,026	4.9
MT	-	-	-	-	-
ID	-	-	-	-	-
WY	-	-	-	-	-
CO	1	.2	2.9	52	.2
NM	-	-	-	-	-
AZ	2	2.5	20.5	9,976	19.5
UT	-	-	-	-	-
NV	-	-	-	-	-
Pac	9	8.6	10.7	41,736	15.9
WA	2	1.9	7.8	8,439	9.1
OR	1	1.1	9.7	7,081	14.8
CA	6	5.6	12.7	26,215	21.5
AK	-	-	-	-	-
HI	-	-	-	-	-

- Represents zero. X Not applicable. Z Less than .05 percent. [1] Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Source: U.S. Energy Information Administration, *Electric Power Annual*, and *Inventory of Power Plants in the United States, 1986*

No. 941. Privately Owned Gas Utility Industry—Balance Sheet and Income Account: 1970 to 1985

[In millions of dollars. The gas utility industry consists of pipeline and distribution companies. Excludes operations of companies distributing gas in bottles or tanks. See also *Historical Statistics, Colonial Times to 1970*, series S 205–218]

Item	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
COMPOSITE BALANCE SHEET										
Assets, total [1]	34,929	50,286	62,918	70,245	75,725	86,894	95,003	100,499	98,933	104,479
Total utility plant	38,541	49,384	59,033	62,710	66,767	72,917	78,479	82,038	83,118	88,121
Depreciation and amortization	*10,696*	*16,779*	*22,861*	*24,400*	*26,062*	*28,908*	*31,388*	*34,208*	*35,542*	*38,377*
Utility plant (net)	27,845	32,605	36,172	38,310	40,705	44,009	47,091	47,380	47,576	51,744
Investment and fund accounts [1]	3,024	9,198	12,805	14,097	15,625	19,368	20,750	21,531	21,872	23,871
Current and accrued assets	3,674	7,543	12,129	15,427	17,211	20,563	23,576	27,571	25,367	24,771
Deferred debits [2]	386	940	1,815	2,411	2,184	2,954	3,586	3,567	4,118	4,092
Liabilities, total [1]	34,929	50,286	62,918	70,245	75,725	86,894	95,003	100,499	98,933	104,479
Capitalization, total [1]	28,646	39,044	45,830	48,165	51,299	57,512	62,390	65,040	64,458	65,799
Capital stock [1]	12,965	19,500	25,585	27,135	29,262	33,041	36,161	38,488	38,959	39,517
Long-term debts	15,681	19,544	20,245	21,030	22,037	24,471	26,229	26,552	25,499	26,282
Current and accrued liabilities	4,832	8,158	11,704	16,024	18,107	22,134	23,809	25,150	23,043	26,125
Deferred income taxes [3]	788	2,052	2,991	3,798	4,144	4,972	5,473	6,537	7,000	7,769
Other liabilities and credits	863	1,032	2,393	2,257	2,175	2,276	3,331	3,772	4,432	4,785
COMPOSITE INCOME ACCOUNT										
Operating revenues, total	16,380	30,550	52,895	66,931	85,807	101,593	115,673	116,096	115,491	103,945
Operating expenses [4]	14,306	27,480	49,272	62,887	81,517	96,917	110,259	110,142	109,165	98,326
Operation and maintenance	11,636	22,957	43,108	56,281	74,433	89,108	101,548	100,495	99,953	88,572
Federal, State, and local taxes	1,569	2,783	3,980	4,294	4,653	5,056	5,694	6,506	7,146	6,580
Operating income	2,074	3,070	3,723	4,043	4,290	4,676	5,414	5,954	6,326	5,625
Utility operating income	2,159	3,221	3,944	4,296	4,633	5,087	5,819	6,303	6,847	6,030
Income before interest charges [1]	2,457	4,137	5,385	6,303	7,112	8,369	8,742	8,717	9,068	7,638
Net income [1]	1,427	2,502	3,443	4,208	4,377	5,145	5,072	5,158	5,619	3,785
Dividends	1,006	1,509	2,117	2,362	2,566	3,064	3,297	3,638	4,471	4,060

[1] Beginning 1975, not comparable with 1970 due to Federal Power Commission ruling requiring adoption of the equity method in reporting earnings of subsidiaries. [2] Includes capital stock discount and expense and reacquired securities. [3] Includes reserves for deferred income taxes. [4] Includes expenses not shown separately.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual (Copyright.)

Digitized by Google

No. 942. Gas Utility Industry—Summary: 1970 to 1985

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately and municipally owned gas utilities in U.S., except those with annual revenues less than $25,000. See also *Historical Statistics, Colonial Times to 1970*, series S 190-204]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Customers [1]	1,000	**41,482**	**44,555**	**45,789**	**46,478**	**47,225**	**47,947**	**48,415**	**48,799**	**49,325**	**49,971**
Residential	1,000	38,097	40,950	42,183	42,821	43,489	44,149	44,552	44,894	45,367	45,929
Commercial	1,000	3,131	3,367	3,370	3,423	3,500	3,564	3,631	3,676	3,730	3,816
Industrial and other	1,000	254	237	236	234	236	234	232	229	228	226
Sales [2]	**Tril. Btu** [3]	**16,044**	**14,863**	**14,748**	**15,440**	**15,413**	**15,375**	**14,183**	**12,858**	**13,162**	**12,616**
Residential	Tril. Btu	4,923	4,991	5,107	5,083	4,826	4,610	4,770	4,450	4,628	4,513
Percent of total	Percent	30.7	33.6	34.6	32.9	31.3	30.0	33.6	34.6	35.2	35.8
Commercial	Tril. Btu	2,007	2,367	2,500	2,486	2,453	2,376	2,471	2,298	2,396	2,338
Industrial	Tril. Btu	8,439	6,837	6,841	7,555	7,957	8,239	6,795	5,970	5,991	5,635
Other	Tril. Btu	674	648	301	316	177	150	147	140	147	130
Revenues [2]	**Mil. dol**	**10,283**	**19,101**	**32,150**	**38,947**	**48,303**	**56,110**	**63,200**	**65,837**	**67,496**	**63,293**
Residential	Mil. dol	5,207	8,445	12,939	14,833	17,432	19,180	23,700	26,173	27,485	26,864
Percent of total	Percent	50.6	44.2	40.2	38.1	36.1	34.2	37.5	39.8	40.7	42.4
Commercial	Mil. dol	1,620	3,302	5,696	6,624	8,183	9,266	11,666	12,659	13,205	12,722
Industrial	Mil. dol	3,161	6,745	13,065	16,961	22,215	27,124	27,200	26,315	26,094	23,086
Other	Mil. dol	274	608	450	530	473	520	634	690	712	621
Prices per mil. Btu [3]	**Dollars**	**.64**	**1.29**	**2.18**	**2.52**	**3.13**	**3.65**	**4.46**	**5.12**	**5.13**	**5.02**
Residential	Dollars	1.06	1.69	2.53	2.92	3.61	4.16	4.97	5.86	5.94	5.95
Commercial	Dollars	.81	1.38	2.28	2.66	3.34	3.91	4.72	5.51	5.51	5.44
Industrial	Dollars	.38	.99	1.91	2.24	2.79	3.29	4.00	4.41	4.36	4.10
Gas mains mileage	**1,000**	**913**	**980**	**1,013**	**1,030**	**1,052**	**1,070**	**1,083**	**1,095**	**1,102**	**1,119**
Field and gathering	1,000	66	68	75	76	84	86	90	92	94	94
Transmission	1,000	252	263	261	263	266	270	272	273	272	271
Distribution	1,000	595	649	678	688	702	714	721	730	736	754
Construction expenditures [4]	**Mil. dol**	**2,506**	**2,466**	**3,581**	**4,366**	**5,350**	**6,389**	**5,939**	**4,078**	**4,645**	**5,671**
Transmission	Mil. dol	1,019	590	935	1,226	1,583	2,352	1,921	1,065	1,301	1,582
Distribution	Mil. dol	913	910	1,228	1,448	1,869	1,995	1,881	1,845	2,266	2,577
Production and storage	Mil. dol	370	831	1,202	1,406	1,546	1,672	1,690	746	543	965

[1] Annual average. [2] Excludes sales for resale. [3] For definition, see text, section 19. [4] Includes general.

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

No. 943. Gas Utility Industry—Customers, Sales, and Revenues, by State: 1985

[See headnote, table 942]

DIVISION AND STATE	CUSTOMERS [1] (1,000)		SALES [2] (tril. Btu [3])		REVENUES [2] (mil. dol.)	
	Total [2]	Residential	Total [2]	Residential	Total [2]	Residential
U.S	**49,971**	**45,929**	**12,616**	**4,513**	**63,293**	**26,864**
N. Eng	**1,839**	**1,684**	**349**	**150**	**2,289**	**1,181**
ME	15	12	2	(Z)	19	5
NH	58	50	11	5	71	34
VT	18	16	5	2	30	11
MA	1,130	1,042	221	94	1,389	712
RI	185	170	31	15	207	118
CT	433	394	79	34	573	301
Mid. Atl	**8,363**	**7,737**	**1,500**	**732**	**9,466**	**5,251**
NY	4,024	3,753	639	327	4,198	2,489
NJ	1,955	1,760	335	154	2,145	1,126
PA	2,384	2,223	526	251	3,123	1,636
E. No. Cent	**11,119**	**10,247**	**2,897**	**1,405**	**15,255**	**8,064**
OH	2,794	2,586	625	341	3,414	1,982
IN	1,310	1,197	399	147	1,882	806
IL	3,356	3,081	901	454	4,546	2,439
MI	2,551	2,372	667	346	3,779	2,085
WI	1,108	1,011	305	117	1,634	752
W. No. Cent	**4,373**	**3,938**	**1,144**	**462**	**5,273**	**2,421**
MN	910	824	251	107	1,277	612
IA	764	681	217	79	999	421
MO	1,241	1,145	256	129	1,277	707
ND	95	83	22	10	119	58
SD	110	98	25	11	126	64
NE	466	405	124	48	537	238
KS	787	702	249	78	938	321
So. Atl	**4,405**	**4,026**	**1,095**	**314**	**5,787**	**2,108**
DE	85	79	23	6	125	44
MD	803	746	119	64	780	452
DC	145	131	28	12	206	94
So. Atl.—Con.						
VA	564	512	124	43	737	305
WV	387	355	78	38	442	231
NC	445	393	125	30	670	193
SC	319	286	94	17	480	109
GA	1,196	1,103	271	90	1,436	580
FL	461	421	233	14	911	100
E. So. Cent	**2,286**	**2,058**	**626**	**175**	**2,847**	**956**
KY	644	584	142	61	694	321
TN	550	476	164	40	737	201
AL	688	635	179	47	861	292
MS	404	363	141	27	555	142
W. So. Cent	**5,848**	**5,334**	**2,330**	**400**	**9,063**	**2,089**
AR	531	469	143	41	560	178
LA	996	928	285	61	1,119	336
OK	903	814	263	78	983	345
TX	3,418	3,123	1,639	220	6,401	1,230
Mt	**3,041**	**2,753**	**655**	**259**	**3,051**	**1,369**
MT	189	167	44	21	204	93
ID	117	101	33	6	172	54
WY	128	114	38	14	163	70
CO	1,011	904	192	90	908	460
NM	367	330	75	28	351	158
AZ	595	549	119	30	574	199
UT	433	403	113	54	453	246
NV	201	185	41	14	226	89
Pac	**8,898**	**8,152**	**2,020**	**616**	**10,262**	**3,425**
WA	401	351	134	33	720	212
OR	304	265	77	22	433	149
CA	7,888	7,445	1,763	547	8,970	3,017
AK	72	62	43	13	95	36
HI	33	29	3	1	44	11

Z Less than 500. [1] Averages for the year. [2] Includes other service, not shown separately. [3] Excludes sales for resale. [4] For definition, see headnote, table 904

Source: American Gas Association, Arlington, VA, *Gas Facts*, annual. (Copyright.)

Digitized by Google

No. 944. Wood Energy Consumption, by Region and Sector: 1980 to 1984

[In trillions of Btu, except percent. For composition of regions, see fig. I, inside front cover]

YEAR	Total	Percent of total energy consumption	REGION				SECTOR			
			Northeast	Midwest	South	West	Residential	Industrial	Commercial	Electric utilities
1980	2,483	3.2	386	329	1,380	388	859	1,600	21	4
1981	2,412	3.2	389	331	1,291	402	869	1,519	21	3
1982	2,395	3.3	351	339	1,334	372	937	1,434	22	2
1983	2,556	3.5	369	318	1,471	396	925	1,606	22	3
1984	2,633	3.4	349	341	1,482	461	923	1,679	22	9

No. 945. Households That Burn Wood: 1980 to 1984

[Data are not available for 1983. Based on Residential Energy Consumption Survey; see Appendix III]

ITEM	Unit	HOUSEHOLDS THAT BURN WOOD				HOUSEHOLDS THAT BURN WOOD AS MAIN HEATING FUEL			
		1980	1981	1982	1984	1980	1981	1982	1984
Number of households	Millions	21.6	22.6	21.4	22.9	4.7	5.3	5.6	6.4
Percent of all households	Percent	26.4	27.4	25.6	26.6	5.8	6.4	6.7	7.5
Number of cords burned	Millions	42.7	44.0	48.6	49.0	22.4	24.7	28.7	29.4
Average number per household	Number	2.0	1.9	2.3	2.1	4.7	4.6	5.1	4.6
Median number per household	Number	7	1.0	1.0	1.0	3.3	3.0	4.0	4.0
Wood energy consumption	Tril. Btu	854	881	971	961	448	493	574	589

Source of tables 944 and 945: U.S. Energy Information Administration, *Annual Energy Review*.

No. 946. Water Power—Developed and Undeveloped Capacity, by Division: 1950 to 1986

[In millions of kilowatts. As of **Dec. 31.** Excludes Alaska and Hawaii for 1950 and all capacity of reversible equipment at pumped storage projects. Also excludes capacity precluded from development due to wild and scenic river legislation. For composition of division, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series S 160–175]

DIVISION	DEVELOPED INSTALLED CAPACITY							ESTIMATED UNDEVELOPED CAPACITY						
	1950	1960	1970	1975	1980	1985	1986	1950	1960	1970	1975	1980	1985	1986
U.S	18.7	33.2	52.0	57.0	64.4	68.8	69.6	87.6	114.2	126.0	113.7	129.9	76.4	74.4
New England	1.2	1.5	1.5	1.5	1.5	1.7	1.7	3.3	2.9	3.3	3.3	4.7	4.4	4.3
Middle Atlantic	1.7	2.5	4.3	4.2	4.3	4.5	4.6	6.6	7.6	4.5	4.3	5.1	5.4	5.2
E. No. Central	.9	.9	.9	.9	.9	1.1	1.1	2.3	3.0	1.6	1.4	2.0	1.9	1.8
W. No. Central	.6	1.6	2.7	2.8	2.8	2.9	3.0	5.8	6.4	4.4	2.1	3.4	3.1	3.0
South Atlantic	2.8	3.8	5.3	5.8	5.9	6.5	6.7	8.2	8.4	9.6	8.4	9.8	7.4	7.0
E. So. Central	2.7	3.8	5.2	5.5	5.6	5.9	5.9	4.7	4.6	3.8	3.1	3.3	2.7	2.9
W. So. Central	.5	.9	1.9	2.3	2.3	2.3	2.3	3.6	3.9	3.3	2.7	4.7	5.4	5.2
Mountain	2.3	4.6	6.2	6.9	7.4	8.1	8.2	23.4	23.6	26.7	19.6	34.2	19.4	19.2
Pacific	6.0	13.6	23.9	27.2	33.7	35.8	36.1	29.8	53.8	70.9	68.8	62.9	26.8	26.1

Source: U.S. Federal Energy Regulatory Commission, (formerly U.S. Federal Power Commission), *Hydroelectric Power Resources of the United States, Developed and Undeveloped*; January 1, 1984; and unpublished data.

No. 947. Solar Collector Shipments, by Type, End-Use, and Market Sector: 1974 to 1986

[In thousands of square feet, except number of manufacturers. Solar collector is a device for intercepting sunlight, converting the sunlight to heat, and carrying the heat to where it will be either used or stored. 1985 data are not available]

YEAR	Number of manufacturers	Total shipments [1]	COLLECTOR TYPE		END USE			MARKET SECTOR		
			Low temperature	Medium temperature, special, other	Pool heating	Hot water	Space heating	Residential	Commercial	Industrial
1974	45	1,274	1,137	137	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975	131	3,743	3,026	717	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1976	186	5,801	3,876	1,925	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977	321	10,312	4,743	5,569	6,334	1,713	1,699	7,978	1,680	105
1978	340	10,860	5,872	4,988	5,970	2,513	1,736	8,095	1,848	263
1979	349	14,251	8,395	5,857	8,551	2,958	1,722	11,387	2,015	314
1980	233	19,398	12,233	7,165	12,029	4,790	1,688	16,077	2,417	488
1981	203	20,133	8,677	11,456	9,781	7,204	2,017	15,773	2,561	1,518
1982	265	18,621	7,478	11,145	7,035	7,444	2,367	13,729	3,789	560
1983	203	16,828	4,853	11,975	4,839	9,323	2,082	11,780	3,039	1,665
1984	224	16,419	4,479	11,939	4,427	8,930	2,370	13,980	2,091	289
1986 [2]	97	4,862	3,751	1,111	3,494	1,181	127	4,131	703	13

NA Not available. [1] Includes other end uses and market sectors not shown separately. [2] Declines between 1984 and 1986 are primarily due to the expiration of the Federal energy tax credit and industry consolidation.

Source: U.S. Energy Information Administration, *Solar Collector Manufacturing Activity*, annual

Digitized by Google



Section **20**

Science

section presents statistics on scientific, engineering, and technological resources, with em- on patterns of research and development (R&D) funding and on scientific, engineering, and al personnel, education, and employment. Also included are statistics on space program and accomplishments. Principal sources of these data are the National Science Foundation nd the National Aeronautics and Space Administration (NASA).

gathers data chiefly through recurring surveys. Current NSF publications containing data on r research and development and on scientific and engineering personnel include *Science es Studies Highlights;* and annual, biennial, and special reports such as *Federal Funds for ch and Development; Research and Development in Industry; National Patterns of Science hnology Resources; Academic Science/Engineering: R&D Funds, Scientists and Engineers, te Enrollment and Support; Federal Support to Universities, Colleges, and Selected Nonprof- tions; Characteristics of Doctoral Scientists and Engineers in the United States; U.S. Scien- d Engineers; Employment Attitudes of Recent Science and Engineering Graduates; Science gineering Employment; Characteristics of Experienced Scientists and Engineers; Scientists, rs, and Technicians in Private Industry; Science and Engineering Personnel: A National w; Science and Technology Data Book; Women and Minorities in Science and Engineering;* cy reports relating to national allocation of human resources and funds to science and tech- Statistical surveys in these areas pose particularly difficult problems of concept and defini- l the data should, therefore, be regarded as broad estimates rather than precise quantitative nts. Detailed discussions of the scope and limitations of the data appear in the source pub- .

lational Science Board's biennial *Science Indicators* publication contains data and analyses national and domestic science and technology, including measures of inputs and outputs. *dget of the United States Government,* published by the U.S. Office of Management and contains summary financial data on Federal R&D programs.

arch and development outlays.—NSF defines research as a "systematic and intensive rected toward a fuller knowledge of the subject studied" and development as "the system- of scientific knowledge directed toward the production of useful materials, devices, sys- ethods, or processes." National coverage of R&D expenditures is developed primarily from surveys in four principal economic sectors: *(1) Government,* made up primarily of Federal e agencies; *(2) industry,* consisting of manufacturing and nonmanufacturing firms and the funded research and development centers (FFRDC's) they administer; *(3) universities and* composed of universities, colleges, and their affiliated institutions, agricultural experiment , and associated schools of agriculture, and FFRDC's administered by educational institu- nd *(4) other nonprofit institutions,* consisting of such organizations as private philanthropic ons, nonprofit research institutes, voluntary health agencies, and FFRDC's administered by it organizations. The R&D funds reported consist of current operating costs, including plan- d administration costs, except as otherwise noted. They exclude funds for routine testing, and surveying, collection of general-purpose data, dissemination of scientific information, ning of scientific personnel.

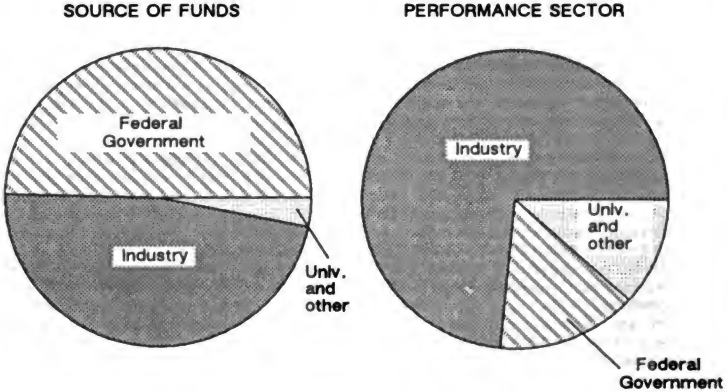
tists, engineers, and technicians.—Scientists and engineers are defined as persons en- scientific and engineering work at a level requiring a knowledge of sciences equivalent at that acquired through completion of a 4-year college course. Technicians are defined as engaged in technical work at a level requiring knowledge acquired through a technical in- unior college, or other type of training less extensive than 4-year college training. Craftsmen ied workers are excluded.

rical statistics.—Tabular headnotes provide cross-references, where applicable, to *Histori- istics of the United States, Colonial Times to 1970.* See Appendix IV.

tics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs o be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Ap- .

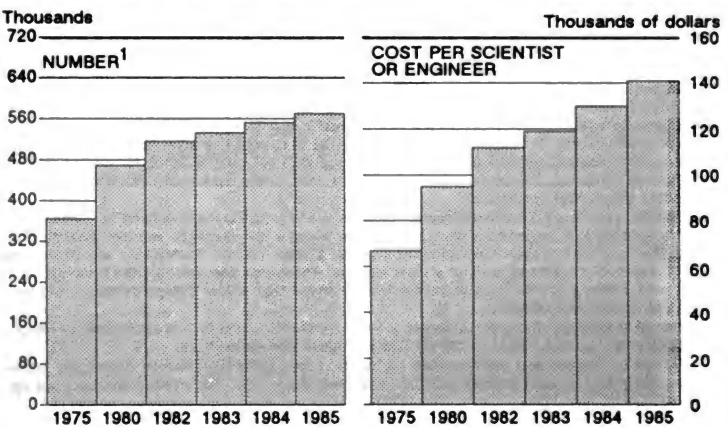
Digitized by Google

Figure 20.1
Research and Development Funds–Percent Distribution: 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 949.

Figure 20.2
Research and Development Scientists and Engineers in Private Industry: 1975 to 1985



[1] Average full-time equivalent employment.
Source: Chart prepared by U.S. Bureau of the Census. For data see table 963.

Digitized by Google

No. 948. Research and Development (R&D)—Outlays: 1955 to 1987

Includes basic research, applied research, and development. Defense-related outlays comprise all research and development spending by Dept. of Defense, including space activities, and a portion of Department of Energy funds. Space-related outlays are those of the National Aeronautics and Space Administration; they exclude space activities of other Federal agencies, estimated at less than 5 percent of all space research and development spending. Minus sign (−) indicates decrease]

Year or period	Current dollars (bil. dol.)			Constant (1982) dollars		Annual percent change [2]		Percent of total R & D outlays					
								Federally funded defense/space-related			Other outlays		
	Total [1]	Defense space related	Other	Total (bil. dol.)	Percent of GNP [2]	Current dollars	Constant dollars	Total	Defense	Space	Total	Non-Federal	Federal
1955	6.2	3.0	3.1	22.6	1.5	9.4	6.1	49	46	1	51	43	8
1960	13.5	7.4	6.1	43.6	2.6	13.8	11.4	55	52	3	45	35	9
1961	14.3	8.0	6.3	45.8	2.7	5.9	4.8	56	50	6	44	35	9
1962	15.4	8.5	6.9	48.2	2.7	7.5	5.3	55	48	7	45	36	9
1963	17.1	9.4	7.7	52.0	2.8	10.8	9.2	55	41	14	45	34	11
1964	18.9	10.6	8.3	57.2	2.9	10.5	8.8	56	37	19	44	34	9
1965	20.0	10.8	9.2	59.4	2.8	6.3	3.8	54	33	21	46	35	11
1966	21.8	11.4	10.5	62.6	2.8	9.0	5.5	52	33	19	48	36	12
1967	23.1	11.3	11.8	64.4	2.8	6.0	2.9	49	35	14	51	38	13
1968	24.8	11.8	12.8	65.5	2.8	6.3	1.8	48	35	13	52	39	13
1969	25.8	11.5	14.1	64.7	2.7	4.2	−1.2	45	34	11	55	42	13
1970	26.1	11.2	14.9	62.4	2.6	2.0	−3.5	43	33	10	57	43	14
1971	26.7	10.9	15.7	60.4	2.4	2.1	−3.2	41	32	9	59	44	15
1972	28.5	11.7	16.8	61.4	2.4	6.8	1.7	41	32	9	59	44	15
1973	30.7	11.7	19.0	62.4	2.3	7.9	1.6	38	30	8	62	47	15
1974	32.9	11.5	21.4	61.5	2.2	7.0	−1.5	35	27	8	65	49	16
1975	35.2	12.0	23.2	59.9	2.2	7.1	−2.6	34	26	8	66	49	17
1976	39.0	13.3	25.7	62.1	2.2	10.8	3.8	34	26	8	66	49	17
1977	42.8	14.1	28.7	63.7	2.2	9.6	2.4	33	25	8	67	50	17
1978	48.1	14.9	33.2	66.8	2.1	12.5	4.9	31	24	7	69	50	19
1979	54.9	18.5	36.5	70.1	2.2	14.1	5.0	30	23	7	70	51	19
1980	62.6	18.2	44.5	73.2	2.3	13.9	4.5	29	22	7	71	53	18
1981	71.8	21.6	50.3	76.6	2.4	14.8	3.9	30	23	7	70	54	16
1982	79.3	25.4	53.9	79.3	2.5	10.4	3.5	32	25	7	68	54	14
1983	87.2	29.6	57.6	83.9	2.6	9.9	5.8	34	27	7	66	53	13
1984	97.6	33.2	64.4	90.5	2.6	12.0	7.9	34	28	6	66	54	12
1985	107.5	39.8	67.7	96.6	2.7	10.1	6.6	37	31	6	63	52	11
1986	116.8	45.5	71.3	102.2	2.8	8.7	5.9	39	32	7	61	51	10
1987, est	124.2	48.5	75.7	105.4	2.8	6.4	3.1	39	32	7	61	51	10

[1] Includes revisions not shown in detail. [2] GNP = Gross national product. [3] Change from prior year shown; 1955 change from 1954.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual, and unpublished data.

No. 949. Research and Development (R&D)—Source of Funds and Performance Sector: 1960 to 1987

[In millions of dollars. See headnote, table 950]

Year	Total	Source of funds				Performance sector				
		Federal Govt.	Industry	Univ., colleges	Other [1]	Federal Govt.	Industry	Univ., colleges	Associated FFRDC's [1]	Other [2]
Current dollars:										
1960	13,523	8,738	4,516	149	120	1,726	10,509	646	360	282
1970	26,134	14,892	10,444	461	337	4,079	18,067	2,335	737	916
1975	35,213	18,109	15,820	749	535	5,354	24,187	3,409	987	1,276
1980	62,593	29,451	30,911	1,323	908	7,632	44,505	6,080	2,246	2,150
1981	71,840	33,405	35,944	1,520	971	8,425	51,810	6,819	2,486	2,300
1982	79,316	36,505	40,096	1,690	1,025	9,141	57,995	7,276	2,479	2,425
1983	87,204	40,671	43,515	1,881	1,137	10,582	63,403	7,807	2,737	2,675
1984	97,639	45,341	49,066	2,024	1,208	11,572	71,471	8,503	3,118	2,975
1985	107,462	51,330	52,569	2,259	1,304	12,996	78,181	9,504	3,529	3,250
1986	118,793	57,219	55,699	2,500	1,375	13,533	85,660	10,600	3,600	3,400
1987, est	124,250	61,350	58,770	2,700	1,430	15,000	90,700	11,150	3,800	3,600
Constant (1982) dollars:										
1960	43,648	28,191	14,591	479	387	5,548	33,955	2,077	1,157	911
1970	62,405	35,636	24,851	1,111	807	9,834	42,986	5,629	1,777	2,179
1975	59,883	30,986	26,679	1,302	918	9,308	40,781	5,927	1,716	2,151
1980	73,235	34,546	36,064	1,561	1,065	9,006	51,919	7,151	2,650	2,508
1981	76,810	35,685	38,257	1,631	1,037	9,039	55,140	7,318	2,667	2,448
1982	79,316	36,505	40,096	1,690	1,025	9,141	57,995	7,276	2,479	2,425
1983	83,891	39,097	41,896	1,805	1,093	10,153	61,047	7,490	2,626	2,576
1984	90,542	42,008	45,544	1,871	1,119	10,696	66,343	7,859	2,882	2,762
1985	96,556	46,078	47,285	2,023	1,170	11,638	70,326	8,509	3,160	2,923
1986	102,236	50,024	48,834	2,177	1,201	11,783	75,107	9,229	3,135	2,981
1987, est	105,364	52,003	49,863	2,286	1,212	12,698	76,958	9,439	3,217	3,054

[1] Federally-funded R&D centers. [2] Nonprofit institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

Digitized by Google

No. 950. Research and Development (R&D) Funds, by Performance Sector and Source: 1970 to 1987

[**In millions of dollars, except percent.** Data primarily on calendar year basis—calendar year data for industry and other nonprofit institutions combined with Federal and university fiscal year data. Data refer, in general, to natural sciences including engineering, and to social sciences in all but industry sector. Excludes capital expenditures data. Expenditures at associated federally funded research and development centers administered by industry and other nonprofit institutions included in totals of respective sectors. See also *Historical Statistics, Colonial Times to 1970*, series W 109–125]

PERFORMANCE SECTOR AND SOURCE OF FUNDS	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total R&D [1]	**26,134**	**35,213**	**62,593**	**71,840**	**79,316**	**87,204**	**97,639**	**107,462**	**116,793**	**124,250**
In 1982 dollars	82,405	59,883	73,235	76,810	79,316	83,891	90,542	96,556	102,236	105,364
Percent Federal as source	57.0	51.4	47.1	46.5	46.0	46.6	46.4	47.6	49.0	49.4
Percent of gross national product	2.6	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.6	2.6
Federal Government	4,079	5,354	7,632	6,425	9,141	10,582	11,572	12,998	13,533	15,000
Industry	18,067	24,187	44,505	51,810	57,995	63,403	71,471	78,181	85,660	90,700
Federal funds	7,779	8,605	14,029	16,382	18,483	20,542	23,163	26,485	30,936	33,000
Industry funds	10,288	15,582	30,476	35,428	39,512	42,861	48,308	51,696	54,724	57,700
Universities and colleges	2,335	3,409	6,060	6,619	7,276	7,807	8,503	9,504	10,800	11,150
Federal funds	1,648	2,288	4,096	4,562	4,752	4,960	5,388	6,003	6,750	7,000
Industry funds	61	113	237	291	334	379	458	538	600	670
University and college funds [2]	461	749	1,318	1,520	1,690	1,881	2,024	2,259	2,500	2,700
Other nonprofit institutions funds [2]	165	259	409	446	500	587	633	704	750	780
Universities and colleges, associated federally funded R&D centers	737	987	2,246	2,486	2,479	2,737	3,118	3,529	3,600	3,800
Other nonprofit institutions	916	1,276	2,150	2,300	2,425	2,675	2,975	3,250	3,400	3,600
Federal funds	649	875	1,450	1,550	1,650	1,850	2,100	2,315	2,400	2,550
Industry funds	95	125	200	225	250	275	300	335	375	400
Other [3]	172	276	500	525	525	550	575	600	625	650
Total research, basic and applied	**9,269**	**12,471**	**22,129**	**26,057**	**28,455**	**31,409**	**33,521**	**36,546**	**39,329**	**40,910**
In 1982 dollars	22,198	21,358	25,962	27,836	28,455	30,194	31,058	32,806	34,379	34,676
Percent Federal as source	80.1	56.8	54.9	52.5	51.9	52.6	53.0	53.5	53.8	53.0
Federal Government	1,904	2,464	3,666	4,034	4,194	4,710	4,764	5,109	5,108	5,200
Industry	4,029	5,300	9,775	12,313	14,055	15,676	16,802	18,319	19,971	20,875
Federal funds	1,207	1,287	2,190	2,641	3,330	4,061	4,626	5,269	6,178	6,275
Industry funds	2,822	4,013	7,585	9,672	10,725	11,595	12,176	13,030	13,793	14,600
Universities and colleges	2,223	3,261	5,717	6,442	6,861	7,370	8,028	8,949	10,000	10,450
Federal funds	1,564	2,210	3,888	4,337	4,517	4,715	5,116	5,683	6,400	6,605
Industry funds	56	106	217	265	304	348	423	488	550	595
University and college funds [2]	448	702	1,228	1,419	1,570	1,755	1,894	2,114	2,340	2,510
Other nonprofit institutions funds [2]	155	243	384	421	470	552	593	664	710	740
Universities and colleges, associated federally funded R&D centers	485	573	1,486	1,663	1,665	1,833	2,002	2,144	2,200	2,300
Other nonprofit institutions	628	673	1,485	1,605	1,680	1,820	1,925	2,025	2,050	2,085
Federal funds	409	545	930	1,010	1,075	1,180	1,250	1,310	1,290	1,290
Industry funds	77	103	160	180	200	220	240	265	295	315
Other [3]	142	225	395	415	405	420	435	450	465	480
Total basic research	**3,549**	**4,608**	**8,079**	**9,180**	**9,937**	**11,058**	**12,076**	**13,222**	**14,309**	**14,815**
In 1982 dollars	8,527	7,951	9,506	9,828	9,937	10,620	11,176	11,854	12,484	12,550
Percent of total R&D	13.6	13.1	12.9	12.8	12.5	12.7	12.4	12.3	12.3	11.9
Percent Federal as source	70.1	68.1	68.8	67.7	66.9	65.8	65.4	65.1	65.1	64.7
Federal Government	577	734	1,182	1,302	1,465	1,690	1,861	1,961	2,000	2,000
Industry	802	730	1,325	1,614	1,680	2,171	2,515	2,731	2,959	3,125
Federal funds	158	157	290	301	380	464	547	625	730	775
Industry funds	444	573	1,035	1,313	1,500	1,707	1,968	2,106	2,229	2,350
Universities and colleges	1,795	2,410	4,026	4,576	4,657	5,269	5,636	6,377	7,100	7,370
Federal funds	1,296	1,694	2,853	3,250	3,396	3,538	3,782	4,255	4,750	4,920
Industry funds	40	72	137	170	198	228	279	345	375	390
University and college funds [2]	350	478	800	906	982	1,144	1,214	1,362	1,530	1,600
Other nonprofit institutions funds [2]	110	166	236	250	281	359	363	415	445	460
Universities and colleges, associated federally funded R&D centers	269	309	786	863	670	983	1,052	1,078	1,150	1,200
Other nonprofit institutions	305	425	780	825	865	945	1,010	1,075	1,100	1,120
Federal funds	189	245	450	495	535	600	650	695	690	690
Industry funds	44	60	95	105	115	125	135	150	170	180
Other [3]	72	120	215	225	215	220	225	230	240	250
Total development	**16,865**	**22,742**	**40,464**	**45,783**	**50,861**	**55,795**	**64,118**	**70,916**	**77,464**	**83,340**
In 1982 dollars	40,206	38,525	47,273	48,774	50,861	53,697	59,484	63,749	67,857	70,688
Percent of total R&D	64.5	64.8	64.8	63.7	64.1	64.0	65.7	66.0	66.3	67.1
Percent Federal as source	55.3	48.5	42.7	43.1	42.7	43.3	43.0	44.8	46.5	47.6

[1] Basic research, applied research, and development. [2] Includes State and local government funds received by these institutions and used for research and development. [3] Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

Digitized by Google

No. 951. Federal Funding for Research and Development, by Budget Function: 1976 to 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Excludes R&D plant. Data for 1976 are shown in obligations; thereafter, are shown in budget authority. See *Historical Statistics, Colonial Times to 1970*, series W 126, for total obligations]

FUNCTION	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.	1988, est.
Total [1]	20,780	25,976	26,208	29,739	33,735	36,115	38,768	44,214	49,887	53,192	58,148	67,576
National defense	10,430	12,899	13,791	14,946	16,413	22,070	24,936	29,287	33,698	36,926	40,260	47,056
Health	2,351	2,968	3,401	3,694	3,871	3,869	4,298	4,779	5,418	5,565	6,608	8,649
Space research and technology	3,130	2,939	3,136	2,738	3,111	2,584	2,134	2,300	2,725	2,894	3,344	3,942
General science	656	1,050	1,119	1,233	1,340	1,359	1,502	1,676	1,882	1,873	2,041	2,332
Energy	1,649	3,134	3,461	3,603	3,501	3,012	2,578	2,581	2,389	2,286	2,155	1,944
Transportation	631	766	798	887	869	791	876	1,040	1,030	917	889	904
Natural resources and environment	683	904	1,010	999	1,061	965	952	963	1,059	1,062	1,083	1,029
Agriculture	383	501	552	585	659	693	745	762	836	815	865	839
Education, training, employment [2]	255	345	354	468	298	228	189	200	220	248	253	225
International affairs	42	57	117	125	160	165	177	192	210	211	217	233
Veterans benefits and services	98	111	123	126	143	139	157	218	193	183	215	201
Commerce and housing credit	69	177	93	101	106	104	107	110	114	111	112	119
Administration of justice	35	44	47	45	34	31	37	24	47	41	42	42
Community and regional develop	109	92	127	119	104	63	44	46	50	32	29	28

[1] Includes functions not shown separately. [2] Includes social services.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

No. 952. Federal Obligations for Research, by Field of Science: 1976 to 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. See headnote, table 951]

FIELD	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986, est.	1987, est.
Research, total	7,819	9,607	10,535	11,597	12,213	13,022	14,254	14,979	16,130	16,455	16,841
Basic	2,768	3,699	4,193	4,674	5,041	5,482	6,260	7,067	7,619	8,145	8,348
Applied	4,852	5,908	6,342	6,923	7,172	7,540	7,993	7,911	8,311	8,310	8,493
Life sciences	2,650	3,427	3,848	4,192	4,436	4,746	5,178	5,636	6,366	6,458	6,289
Engineering	2,089	2,421	2,572	2,830	3,072	3,387	3,517	3,624	3,629	3,684	3,858
Physical sciences	1,259	1,848	1,793	2,001	2,221	2,500	2,891	2,969	3,044	3,072	3,300
Environmental sciences	769	1,025	1,101	1,261	1,121	1,148	1,251	1,276	1,404	1,458	1,483
Mathematics, computer sciences	158	216	210	241	279	350	419	440	578	665	759
Social sciences	393	490	527	524	497	386	435	436	462	435	460
Economics	138	163	182	193	207	157	166	147	160	147	163
Psychology	144	177	197	199	209	218	241	267	319	326	316
Other sciences	179	206	287	350	379	287	320	331	329	357	373

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

No. 953. Federal Obligations for Research and Development, by Agency: 1976 to 1987

[In millions of dollars except percent. For fiscal years ending in year shown; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series W 142, for total R&D expenditures. Minus sign (−) indicates decline]

AGENCY	1976	1981	1982	1983	1984	1985	1986, est.	1987, est.	PERCENT CHANGE	
									1985–86	1986–87
Obligations, total	20,780	33,104	36,433	38,712	42,225	48,332	52,062	59,210	7.7	13.7
Dept. of Defense	9,655	16,509	20,623	22,993	25,373	29,792	33,646	40,679	12.9	20.9
National Aeronautics and Space Administration	3,447	3,593	3,078	2,662	2,822	3,327	3,478	3,926	4.5	12.9
Dept. of Commerce	229	328	336	335	358	399	391	301	−2.0	−23.0
Dept. of Energy	[1] 2,464	4,918	4,708	4,537	4,674	4,966	4,692	4,771	−5.5	1.7
Dept. of Health and Human Services	[2] 2,461	3,927	3,941	4,353	4,831	5,451	5,611	5,271	2.9	−6.1
National Science Foundation	609	962	975	1,062	1,203	1,346	1,334	1,508	−.9	13.0
Dept. of Agriculture	462	774	797	848	866	949	923	909	−2.1	−1.5
Dept. of Transportation	295	416	310	348	446	402	335	246	−16.7	−26.6
Dept. of the Interior	333	427	381	383	411	392	388	351	−1.0	−9.5
Environmental Protection Agency	259	326	335	241	261	320	334	310	4.4	−7.2
Nuclear Regulatory Commission	86	220	220	207	191	150	135	114	−10.0	−15.6
Veterans Administration	98	144	137	161	190	227	186	194	−18.1	4.3
Agency for International Development	38	134	200	227	237	220	221	238	.5	7.7
Dept. of Education	[3] 123	105	128	112	116	125	131	117	4.8	−10.7
Other agencies	219	322	263	243	244	274	258	277	−5.8	7.4

[1] Energy Research and Development Administration. [2] Health, Education, and Welfare. See table 502 for complete list of agencies. [3] Includes National Institute of Education, Office of the Assistant Secretary for Education and Office of Education.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, annual.

Digitized by Google

No. 954. Funds for Performance of Industrial Research and Development (R&D), by Industry: 1970 to 1985

[In millions of dollars. Covers basic research, applied research, and development. See also *Historical Statistics, Colonial Times to 1970*, series W 144–160]

SIC [1] code	INDUSTRY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
	Total [2]	**18,067**	**24,187**	**33,304**	**38,226**	**44,505**	**51,810**	**57,996**	**63,403**	**71,677**	**80,121**
372, 376	Aircraft and missiles	5,219	5,713	7,536	8,041	9,198	11,968	13,858	13,853	16,076	17,801
36	Electrical equipment	4,220	5,105	6,507	7,824	9,175	10,329	11,642	13,950	15,662	17,313
35	Machinery	1,729	3,196	4,283	4,825	5,901	6,618	7,835	8,386	9,671	11,037
28	Chemicals and allied products	1,773	2,727	3,580	4,038	4,636	5,625	6,659	7,293	8,024	8,875
371, 373–75, 379	Motor vehicles, transportation equipment [2]	1,591	2,430	4,010	4,666	5,117	4,970	4,970	5,500	6,340	7,306
38	Professional and scientific instruments	744	1,173	1,998	2,505	3,029	3,614	4,019	4,444	4,851	5,420
29	Petroleum refining	515	693	1,060	1,262	1,552	(D)	(D)	(D)	(D)	(D)
33	Primary metals	275	443	560	634	728	678	1,000	1,115	(D)	(D)
30	Rubber products	276	467	493	577	656	(D)	(D)	(D)	(D)	1,167
34	Fabricated metal products	207	324	384	455	550	624	568	604	716	697
20	Food and kindred products	230	335	472	528	620	(D)	(D)	(D)	(D)	(D)
26	Paper and allied products	178	249	387	445	495	(D)	626	(D)	(D)	(D)
32	Stone, clay, and glass products	167	233	324	356	406	(D)	(D)	(D)	(D)	(D)

D Withheld to avoid disclosure. [1] Standard Industrial Classification. See text, section 13. [2] Includes industries not available separately. [3] Estimated beginning 1981.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

No. 955. Companies Performing Research and Development (R&D)—Selected Data, by Industry Group: 1975 to 1984

SIC [1] code	INDUSTRY GROUP	R & D FUNDS (mil. dol.)				R & D FUNDS AS PERCENT OF NET SALES				R & D SCIENTISTS/ ENGINEERS [2] (1,000)			
		1975	1980	1984	1985	1975	1980	1984	1985	1975	1980	1984	1985
	Total [3]	**24,187**	**44,505**	**71,677**	**80,121**	**3.1**	**3.0**	**3.8**	**4.2**	**363.3**	**450.8**	**544.5**	**580.2**
372, 376	Aircraft and missiles	5,713	9,198	16,076	17,801	12.7	13.7	16.9	17.5	67.5	85.9	96.5	103.8
36	Electrical equipment	5,105	9,175	15,662	17,313	6.5	6.6	7.5	8.0	62.6	94.5	116.1	115.3
35	Machinery	3,196	5,901	9,671	11,037	4.8	5.0	6.0	6.6	52.8	62.1	75.0	77.3
28	Chemicals and allied products	2,727	4,636	8,024	8,875	3.7	3.6	4.6	4.8	45.2	51.4	67.1	67.0
371,373–75, 379	Motor vehicles, transport. equipment [4]	2,430	5,117	6,340	7,306	3.3	3.9	3.4	3.6	27.9	39.7	30.5	31.7
38	Professional and scientific instruments	1,173	3,029	4,851	5,420	5.9	7.5	9.2	10.3	17.9	32.8	(D)	(D)
29	Petroleum refining	693	1,552	(D)	(D)	.7	.6	(D)	(D)	8.4	10.6	13.2	13.4
33	Primary metals	443	728	(D)	(D)	.8	.7	(D)	(D)	6.3	8.1	8.5	9.5
30	Rubber products	467	656	(D)	1,167	2.5	2.2	(D)	3.0	8.4	(D)	(D)	(D)
34	Fabricated metal products	324	550	716	697	1.2	1.4	1.5	1.4	7.4	7.6	12.9	(D)
20	Food and kindred products	335	620	(D)	(D)	.4	.4	(D)	(D)	8.6	7.2	7.6	(D)
26	Paper and allied products	249	495	(D)	(D)	.9	1.0	(D)	(D)	5.0	7.4	7.9	8.7
32	Stone, clay, and glass products	233	406	(D)	(D)	1.2	1.4	(D)	(D)	4.5	5.4	4.8	4.3

D Withheld to avoid disclosure. [1] Standard Industrial Classification. [2] As of January [3] Includes industries not available. [4] Estimated beginning 1984.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

No. 956. Federal Obligations to Universities and Colleges: 1970 to 1985

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Total and nonscience engineering activities for 1981–1983 are estimates based on revised student aid data from the Dept. of Education. Minus sig (–) indicates decrease]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Federal obligations, total	**3,237**	**4,547**	**6,490**	**7,472**	**7,604**	**8,298**	**8,640**	**8,778**	**9,337**	**10,118**	**10,98**
Annual percent change [1]	–6.5	1.5	20.1	15.1	1.6	9.1	4.1	1.6	6.4	8.4	8.
Academic science/engineering obligations	2,188	2,806	3,351	3,960	4,473	4,790	5,062	5,179	5,680	6,390	7,26
Percent of total	67.6	61.7	51.6	53.0	58.8	57.7	58.6	59.0	60.8	63.2	66.
Research and development	1,447	2,246	2,803	3,386	3,874	4,160	4,410	4,554	5,024	5,636	6,33
Research and development plant	45	45	36	34	32	38	28	31	38	50	31
Other science/engineering activities	696	515	512	540	567	593	624	594	619	705	79
Nonscience/engineering activities	1,049	1,741	3,138	3,512	3,131	3,508	3,576	3,597	3,657	3,728	3,73

[1] Percent change from prior year.

Source: U.S. National Science Foundation, *Survey of Federal Support to Universities, Colleges, and Selected Nonprofit Institutions*, annual.

Digitized by Google

No. 957. Nobel Prize Laureates in Chemistry, Physics, and Physiology/Medicine—Selected Countries: 1901 to 1986

[Presented by location of award-winning research and by date of award]

Country	1901–1986				1901–1915	1916–1930	1931–1945	1946–1960	1961–1975	1976–1986
	Total	Physics	Chemistry	Physiology/Medicine						
Total	**378**	**129**	**106**	**143**	**52**	**41**	**49**	**74**	**92**	**70**
United States	143	49	31	63	3	3	14	38	41	44
United Kingdom	66	21	24	23	7	8	11	14	20	8
Japan	4	3	1	–	–	–	–	1	2	1
France	21	8	6	7	10	3	2	–	5	1
Soviet Union	10	7	1	2	2	–	–	4	3	1
West Germany [1]	53	18	25	12	15	12	11	4	8	3
Other countries	79	25	18	36	15	15	11	13	13	12

– Represents zero. [1] Includes East Germany before 1946.

Source: U.S. National Science Foundation, unpublished data.

No. 958. National Research and Development Expenditures as a Percent of Gross National Product, by Country: 1965 to 1986

Year	United States	France [1]	West Germany	Japan	United Kingdom	Soviet Union	Year	United States	France [1]	West Germany	Japan	United Kingdom	Soviet Union
1965	2.8	2.0	1.7	1.5	(NA)	2.9	1977	2.2	1.8	2.1	1.9	(NA)	3.5
1967	2.8	2.1	2.0	1.5	2.3	2.9	1978	2.1	1.8	2.2	2.0	2.2	3.5
1968	2.8	2.1	2.0	1.6	2.3	(NA)	1979	2.2	1.8	2.4	2.1	(NA)	3.8
1969	2.7	1.9	1.8	1.6	2.3	3.0	1980	2.3	1.8	2.4	2.2	(NA)	3.8
1970	2.6	1.9	2.1	1.8	(NA)	3.3	1981	2.4	2.0	2.5	2.4	2.4	3.7
1971	2.4	1.9	2.2	1.9	(NA)	3.5	1982	2.5	2.1	2.6	2.5	(NA)	3.7
1972	2.4	1.9	2.2	1.9	2.1	3.7	1983	2.6	2.2	2.5	2.6	2.2	3.8
1973	2.3	1.8	2.1	1.9	(NA)	3.8	1984	2.6	2.2	2.5	2.8	(NA)	3.9
1974	2.2	1.8	2.1	2.0	(NA)	3.7	1985	2.7	2.3	2.7	2.9	2.2	3.8
1975	2.2	1.8	2.2	2.0	2.2	3.8	1986	2.8	(NA)	2.8	(NA)	(NA)	(NA)
1976	2.2	1.8	2.1	1.9	(NA)	3.8							

NA Not available. [1] Percent of gross domestic product.

Source: U.S. National Science Foundation, *Science Indicators*, biennial; *National Patterns of Science and Technology Resources*, annual; and *International Science and Technology Data Update*, annual.

No. 959. Research and Development (R&D) Expenditures in Science and Engineering at Universities and Colleges: 1980 to 1985

[In millions of dollars. Estimates for nonrespondents account for less than 8 percent of the total]

Characteristic	1980	1983	1984	1985	Characteristic	1980	1983	1984	1985
Total	**6,060**	**7,807**	**8,503**	**9,504**	Field: Life sciences	3,217	4,233	4,607	5,138
In 1972 dollars [1]	3,412	3,587	3,764	4,057	Engineering	865	1,111	1,206	1,383
Basic research	4,026	5,269	5,638	6,377	Physical sciences	677	899	997	1,137
Applied R&D	2,034	2,538	2,865	3,127	Environmental sciences	509	620	650	707
Source of funds:					Social sciences and other	488	521	548	569
All Governments	4,587	5,560	6,014	6,669	Economics	90	98	109	116
Institutions' own funds	627	1,281	1,398	1,593	Mathematics	79	108	124	129
Industry	237	379	458	538	Computer sciences	114	175	223	278
Other	409	587	633	704	Psychology	111	139	147	162

[1] Based on GNP implicit price deflator; see text, section 14.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Expenditures at Universities and Colleges*, annual.

No. 960. Scientists and Engineers Employed in Research and Development: 1970 to 1986

[In thousands of full-time equivalent employees. Yearly averages for industry sector only. Excludes those employed by State and local government agencies, except as noted. DOD = Dept. of Defense. FFRDC's = federally funded R&D centers]

Sector	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986 [1]
Total	**544.5**	**527.7**	**615.0**	**651.7**	**683.7**	**702.8**	**711.7**	**738.4**	**762.4**	**787.4**
Industry (excl. social scientists) [2]	375.8	363.8	437.2	469.2	496.8	516.0	522.1	544.5	560.2	580.3
Universities and colleges, total	68.5	69.8	78.6	81.2	83.3	84.4	85.5	88.6	93.2	96.7
Scientists and engineers	50.3	51.2	56.9	57.9	58.9	59.5	60.8	62.5	65.8	67.8
Graduate students	18.2	18.6	21.7	23.3	24.4	24.9	24.9	26.1	27.4	28.9
Federal Government (incl. DOD)	67.7	58.4	57.8	58.8	59.2	60.0	61.3	62.1	62.9	63.3
University-associated FFRDC's	11.5	12.7	14.1	15.2	15.4	15.4	15.3	15.2	16.6	16.6
Other nonprofit institutions [2] [3]	21.2	23.0	27.5	27.5	27.0	27.0	27.5	28.0	29.5	30.5

[1] Estimated. [2] Includes professional R&D personnel employed at FFRDC's administered by industry and other nonprofit institutions. [3] Includes estimate for R&D scientists and engineers employed in State-affiliated institutions.

Source: U.S. National Science Foundation, *National Patterns of Science and Technology Resources*, annual.

Digitized by Google

No. 961. Scientists and Engineers, by Field, Labor Force Status, and Sex: 1980 to 1986

[In thousands, except percent. Represents the total science and engineering population in the United States]

Field	1980			1984			1986		
	Total			Total			Total		
	Number	Percent female	In labor force	Number	Percent female	In labor force	Number	Percent female	In labor force
Total, all fields	**3,083**	**11.5**	**2,917**	**4,247**	**13.3**	**4,061**	**4,972**	**15.4**	**4,699**
Engineers, total	1,800	3.0	1,701	2,352	3.4	2,241	2,695	4.1	2,471
Scientists, total	1,283	23.4	1,216	1,895	25.4	1,819	2,337	28.1	2,226
Life scientists	313	19.2	295	384	24.8	361	452	26.1	421
Computer specialists	215	28.7	210	445	26.6	439	576	29.7	567
Physical scientists	235	10.3	220	238	11.6	259	313	13.9	293
Social scientists	229	29.5	214	357	29.4	341	459	31.7	438
Economists	84	15.9	78	136	15.7	130	177	19.2	169
Other social scientists	145	37.3	136	221	37.9	212	282	39.6	270
Psychologists	137	39.4	132	223	42.9	215	274	45.5	260
Environmental scientists	84	14.2	79	106	11.4	101	123	12.3	116
Mathematical scientists	70	29.6	66	108	22.6	103	140	26.9	133

Source: National Science Foundation, *U.S. Scientists and Engineers*, and unpublished data.

No. 962. Characteristics of Employed Scientists and Engineers: 1986

[Percent distribution, except as indicated. Represents the total science and engineering employment in the United States]

Characteristic	Total	Engineers	Life scientists	Computer specialists	Physical scientists	Social scientists			Psychologists	Environmental scientists	Mathematical scientists
						Total	Economists	Other social scientists			
Total (1,000)	**4,627**	**2,440**	**412**	**563**	**288**	**428**	**164**	**264**	**254**	**111**	**131**
Male	84.9	95.9	75.0	71.1	86.4	68.7	80.5	61.4	54.6	88.4	74.1
Female	15.1	4.1	25.0	28.9	13.6	31.3	19.5	38.6	45.4	11.6	25.9
Highest degree:											
Doctorate	13.3	4.3	29.5	3.4	39.6	23.0	21.8	23.7	38.5	18.4	30.7
Master's	23.6	23.0	21.4	25.2	20.3	22.1	21.7	22.3	26.6	31.1	33.7
Bachelor's	55.1	59.9	44.6	69.9	38.0	51.7	53.0	50.9	32.4	48.2	34.1
Other	8.0	12.6	4.5	1.5	2.1	3.2	3.5	3.0	2.6	2.2	1.6
Type of employer:											
Industry	67.6	79.5	37.2	76.2	56.8	50.4	62.5	42.9	40.2	58.5	41.8
Educational institutions	13.6	4.1	35.9	6.7	24.7	26.4	20.5	30.1	31.3	16.4	44.8
Nonprofit organizations	3.6	1.5	7.0	2.5	3.3	6.4	2.2	8.9	17.9	1.2	2.1
Federal Government	7.7	7.6	10.3	6.8	10.3	5.1	7.8	3.4	2.7	15.6	8.5
Military	.6	.6	.4	.5	.3	.3	.1	.4	.3	1.3	.4
State, local, and other government	5.0	4.9	7.7	3.7	2.9	9.9	5.3	12.7	5.8	5.3	1.7
Other	1.6	1.7	1.5	1.6	1.7	1.5	1.6	1.5	1.6	1.5	.8

Source: U.S. National Science Foundation, *U.S. Scientists and Engineers: 1986*.

No. 963. Research and Development Scientists and Engineers—Average Full-Time-Equivalent Employment and Cost, by Industry: 1970 to 1985

[Data are estimates, on average full-time-equivalent (FTE) basis. See *Historical Statistics, Colonial Times to 1970*, series W 167, for total cost per scientist or engineer]

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Average FTE of scientists and engineers (1,000)	**375.6**	**361.7**	**363.8**	**373.6**	**393.6**	**414.2**	**437.3**	**469.2**	**498.8**	**516.0**	**533.3**	**552.3**	**570.2**
Chemicals [1]	41.4	43.5	44.8	45.4	47.4	49.2	50.7	53.1	58.2	63.8	66.6	67.1	69.2
Machinery	42.5	51.9	54.3	55.5	56.9	59.0	61.2	65.7	72.6	76.2	75.7	76.2	79.7
Electrical equipment [2]	96.2	82.6	81.5	82.2	84.3	84.7	89.8	100.7	108.4	110.0	113.2	115.7	116.9
Motor vehicles [3]	26.9	28.6	27.5	28.6	32.0	35.5	38.5	36.1	33.9	31.0	30.7	31.1	33.7
Aircraft and missiles	85.2	69.1	67.2	69.5	77.0	84.3	86.2	90.6	93.2	93.3	96.0	100.2	105.1
Other industries	83.5	86.0	88.5	92.4	96.3	101.5	110.9	121.0	132.5	141.7	151.2	162.2	165.9
Cost per scientist or engineer ($1,000) [4]	**48.1**	**63.3**	**66.5**	**72.2**	**75.8**	**80.4**	**87.4**	**94.9**	**103.9**	**112.4**	**118.9**	**129.8**	**140.5**
Chemicals [1]	42.8	56.3	60.9	66.5	67.6	72.8	79.5	87.4	96.7	104.4	109.6	119.7	128.0
Machinery	40.7	57.5	58.9	62.8	68.6	72.6	78.9	89.9	93.9	102.9	110.9	127.0	136.6
Electrical equipment [2]	43.9	60.7	62.7	68.6	69.9	76.8	87.2	91.1	95.3	105.8	123.2	135.4	146.3
Motor vehicles [3]	59.3	86.6	88.4	100.4	108.6	113.0	121.2	134.3	146.6	162.9	173.8	195.9	209.5
Aircraft and missiles	61.3	76.4	85.1	91.3	91.3	89.4	93.3	101.6	128.4	146.4	144.3	160.5	169.4
Other industries	42.4	54.5	56.7	61.1	65.9	72.8	79.6	86.6	91.3	93.4	96.5	99.6	106.9

[1] Includes allied products. [2] Includes communication. [3] And other transportation equipment. [4] Represents the arithmetic mean of the numbers of R&D scientists and engineers reported in each industry for January in two consecutive years divided into total R&D expenditures in each industry.

Source: U.S. National Science Foundation, *Research and Development in Industry*, annual.

Digitized by Google

No. 964. Civilian Employment of Scientists, Engineers, and Technicians, by Occupation and Major Industrial Sector: 1986

[**In thousands.** Based on sample and subject to sampling error. For details, see source]

Occupation	Wage and salary workers								Self-employed
	Total [1]	Mining [2]	Construction	Manufacturing	Transportation [3]	Trade	FIRE [4]	Services	Government	
Scientists and engineers	**2,138.1**	**53.5**	**41.1**	**829.2**	**103.1**	**57.0**	**77.0**	**586.9**	**380.9**	**131.0**
Scientists	806.4	25.5	1.4	141.2	24.1	31.2	66.3	301.3	207.0	92.0
Physical scientists	169.4	20.3	.1	56.9	2.2	2.1	.6	48.7	38.3	11.0
Life scientists	133.2	.3	(Z)	16.7	.8	1.8	.2	53.0	52.8	7.0
Mathematical scientists	47.6	.1	(Z)	6.6	1.7	(Z)	14.5	14.6	9.9	(Z)
Social scientists	144.7	.3	.1	(Z)	1.5	(Z)	9.6	82.8	50.3	54.0
Systems analysts, EDP	311.4	4.5	1.2	61.0	17.9	27.3	41.4	102.2	55.7	20.0
Engineers [5]	1,331.7	28.0	39.7	688.0	79.0	25.8	10.7	285.6	173.9	39.0
Civil engineers	193.2	1.7	19.4	10.4	8.0	.4	.5	77.8	74.8	6.0
Electrical/electronics engineers	391.5	1.0	6.3	221.0	38.9	13.4	.9	77.4	32.7	9.0
Mechanical engineers	228.7	2.2	8.6	140.5	6.4	6.2	.6	51.0	13.1	4.0
Engineering and science technicians	**1,241.1**	**19.0**	**31.4**	**484.6**	**77.1**	**79.9**	**6.9**	**372.4**	**162.4**	**23.0**
Electrical/electronics technicians	309.4	1.0	4.7	135.2	29.4	60.3	1.2	51.3	26.2	4.0
Engineering technicians	373.5	4.8	5.0	134.8	26.4	9.4	.8	96.7	94.9	2.0
Drafters	333.2	4.6	21.5	125.6	19.0	7.2	2.6	137.4	13.2	15.0
Science technicians	225.0	8.5	.2	89.0	2.4	3.0	2.4	87.0	28.0	2.0
Surveyors	**86.5**	**3.7**	**3.8**	.1	3.4	(Z)	.4	**52.0**	**22.5**	**8.0**
Computer programmers	**463.8**	**3.3**	**2.2**	**92.0**	**24.2**	**44.2**	**68.3**	**192.9**	**36.1**	**15.0**

Z Fewer than 50. [1] Includes agriculture, forestry, and fishing not shown separately. [2] Includes oil and gas extraction. [3] Includes communications and public utilities. [4] Finance, insurance, and real estate. [5] Includes kinds of engineers and technicians not shown separately.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review, September 1987* and unpublished data.

No. 965. Scientists and Engineers—Employment in Institutions of Higher Education, by Field: 1980 to 1985

[**In thousands.** As of **January.** Includes full-time and part-time personnel. Excludes graduate students who receive stipends for part-time services as scientists or engineers. R&D = research and development]

Field	1980	1983	1984	1985	Field	1980	1983	1984	1985
Total	**339.3**	**373.9**	**385.6**	**396.0**	Math. and computer scientists	36.0	45.7	48.9	51.1
Universities, colleges	324.2	358.9	370.4	380.4	Life scientists [1]	133.7	151.4	156.4	161.7
Engineers [1]	33.7	37.7	38.7	39.9	Agricultural	15.9	16.7	17.1	17.5
Civil	5.5	6.4	6.4	6.7	Biological	44.8	48.1	49.3	50.5
Electrical	8.2	9.6	10.2	10.8	Medical	67.1	74.4	76.1	78.7
Mechanical	6.1	6.7	7.1	7.2	Psychologists	23.3	23.6	23.8	23.8
Physical and environmental science [1]	43.5	44.9	46.4	47.2	Social scientists	54.1	55.4	56.2	56.7
Chemists	17.6	18.3	18.8	19.1	Economists	14.7	15.6	15.7	15.8
Earth scientists	6.6	6.5	6.7	6.7	Federally funded R&D centers	15.1	15.1	15.2	15.6
Physicists	13.0	13.6	13.9	14.1	Engineers	6.5	6.5	6.0	6.2
					Scientists	8.6	8.6	9.2	9.4

[1] Includes other fields not shown separately.

Source: U.S. National Science Foundation, *Survey of Scientific and Engineering Personnel Employed in Universities and Colleges*, periodic.

No. 966. Professional Scientific, Engineering, and Technical Personnel in the Federal Government, by Occupational Group: 1970 to 1985

[**In thousands, except percent.** As of **October.** Excludes health professional personnel]

Occupational group	1970	1975	1980	1981 [1]	1983 [1 2]	1985 [2 3]	Percent female					
							1970	1975	1980	1981 [1]	1983 [1 2]	1985 [2 3]
Total	**180.3**	**188.9**	**206.9**	**207.9**	**218.9**	**238.0**	**6.7**	**6.5**	**9.5**	**10.3**	**11.8**	**13.8**
Scientific personnel	77.2	77.3	88.0	88.9	89.5	91.4	8.0	8.8	12.7	13.2	14.1	15.6
Physical sciences	29.8	27.1	27.6	27.4	27.1	27.6	6.4	6.6	9.5	10.0	10.9	12.5
Mathematics and statistics	8.6	10.0	11.1	10.9	10.7	11.0	17.4	15.9	19.6	19.9	20.9	22.6
Life sciences	26.9	26.4	30.5	32.4	33.5	33.5	4.1	5.1	8.7	9.8	11.3	12.1
Social sciences [4]	6.6	8.0	10.5	8.9	9.3	10.1	16.2	17.6	23.3	23.1	22.8	25.1
Economics	4.3	5.0	5.9	5.5	5.3	5.9	11.1	12.9	17.4	18.1	18.4	20.6
Other social sciences	2.3	3.0	4.6	3.4	4.0	4.2	25.1	23.7	30.6	31.2	28.7	31.5
Geography and cartography	3.3	2.9	4.9	5.2	5.5	5.7	8.5	7.9	14.6	15.7	16.6	17.0
Psychology	2.2	2.9	3.3	3.4	3.3	3.4	13.7	14.6	16.8	17.5	16.8	21.4
Engineering personnel	83.0	86.6	89.5	87.9	94.3	105.1	1.5	1.7	1.9	2.3	3.6	5.3
Computer specialists	20.1	25.0	29.3	31.1	35.2	41.5	21.1	19.1	23.3	24.7	27.9	31.4

[1] Excludes Tennessee Valley Authority (TVA). [2] Excludes Post Office. [3] Data for 1985 include 4,400 personnel at TVA. [4] Includes community planning.

Source: U.S. National Science Foundation. Compiled from data supplied by the U.S. Office of Personnel Management.

Digitized by Google

No. 967. Graduate Science and Engineering Students in Doctorate-Granting Institutions, by Field, Enrollment Status, and Level of Study: 1975 to 1985

[In thousands. As of fall. Includes outlying areas]

Field of science	Students enrolled full-time									Students enrolled part-time		
	Total			First year			Beyond first year					
	1975	1980	1985	1975	1980	1985	1975	1980	1985	1975	1980	1985
Total	**210.3**	**230.5**	**249.7**	**79.2**	**77.3**	**77.4**	**131.2**	**153.2**	**172.3**	**83.4**	**103.1**	**121.4**
Engineering	37.1	41.9	56.0	16.4	15.7	16.2	20.6	26.2	37.8	27.5	26.2	35.8
Physical sciences	21.3	22.3	26.1	6.0	5.7	6.4	15.3	16.5	19.7	3.3	3.1	3.4
Environmental sciences	9.0	10.3	10.9	3.3	3.4	3.1	5.7	6.9	7.8	2.0	2.5	3.3
Mathematics	10.0	9.4	11.2	3.6	3.2	3.7	6.4	6.1	7.5	4.4	4.3	4.1
Computer sciences	4.1	5.9	12.4	1.6	2.3	4.2	2.3	3.6	8.2	2.9	5.5	11.4
Life sciences	59.6	67.7	66.2	23.3	23.0	20.4	36.3	44.7	45.8	14.0	22.9	27.5
Psychology	19.7	21.6	21.0	5.7	5.7	5.6	14.0	15.9	15.4	7.2	7.8	9.2
Social sciences	49.5	51.5	45.9	19.0	16.3	15.7	30.5	33.2	30.2	22.3	26.8	26.7
Economics	6.0	6.9	6.6	3.1	2.9	2.6	4.9	6.1	6.0	3.0	3.3	2.8

Source: U.S. National Science Foundation, *Survey of Graduate Science and Engineering Students and Postdoctorates*, annual.

No. 968. Doctorates Conferred, by Recipients' Characteristics, 1975 to 1986, and by Selected Science and Engineering Fields, 1986

Characteristic	All fields			1986								
										Social sciences		
	1975	1980	1985	All fields [1]	Engineering	Physical sciences [2]	Mathematics and computer sciences	Psychology	Biological sciences [3]	Total	Economics	Other social sciences [4]
Doctorate conferred	32,951	31,017	31,201	31,782	3,375	3,677	1,130	3,060	3,782	2,222	861	1,361
Percent with master's degree	81.3	80.9	80.0	(NA)	86.5	52.0	77.1	80.0	51.6	81.3	72.6	86.8
Percent distribution	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Male	78.1	69.7	65.7	64.6	93.3	83.6	85.0	49.0	56.3	68.0	60.7	60.8
Female	21.9	30.3	34.3	35.4	6.7	16.4	15.0	51.0	43.7	32.0	39.3	40.0
White [5]	86.7	84.6	86.2	86.6	78.4	87.6	82.4	90.0	89.2	85.5	86.5	85.0
Asian [5]	3.6	4.2	4.3	4.3	15.1	6.1	9.8	1.4	5.1	3.8	5.6	2.9
Black and other [5]	4.9	6.3	7.2	7.0	3.8	3.0	4.1	7.4	4.1	7.5	4.5	9.0
Not reported [6]	4.8	4.9	2.3	2.1	2.7	3.3	3.7	1.2	1.7	3.2	3.4	3.1
U.S. citizens	82.1	81.0	74.5	72.1	40.7	66.1	50.4	88.9	82.2	66.2	55.1	73.3
Foreign citizens	15.9	15.9	20.9	21.0	50.6	27.8	42.0	4.6	13.3	26.6	38.3	19.2
Citizenship unknown	2.0	3.1	4.6	6.9	8.7	6.3	7.5	6.5	4.5	7.2	6.6	7.6
Median age at award [7] (yr.)	31.5	32.2	33.3	(NA)	31.0	29.9	30.7	33.0	30.8	33.4	31.5	34.6
Median total time, [8] baccalaureate to doctorate (yr.)	8.6	9.3	10.2	(NA)	8.1	7.1	8.0	9.7	8.1	10.0	8.4	11.1
Registered time (yr.)	5.9	6.3	6.8	(NA)	5.9	6.0	6.2	7.0	6.4	7.5	6.3	8.2

NA Not available. [1] Includes other fields, not shown separately. [2] Astronomy, physics, chemistry, and earth sciences. [3] Biochemistry, botany, microbiology, physiology, zoology, and related fields. [4] Anthropology, sociology, political science, and international relations. [5] Data on race limited to U.S. citizens and non-U.S. citizens with permanent government visas. [6] For definition of median, see Guide to Tabular Presentation.

Source: U.S. National Science Foundation, Division of Science Resources Studies.

No. 969. Federal Space Program—Budget Authority, by Agency: 1960 to 1984

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. 1984 estimated. NASA = National Aeronautics and Space Administration]

Year	Total [1]	NASA [2]		Dept. of Defense	Dept. of Commerce	Dept. of Energy [3]	Year	Total [1]	NASA [2]		Dept. of Defense	Dept. of Commerce	Dept. of Energy [3]
		Total	Percent of total						Total	Percent of total			
1960	1,066	462	49.2	561	(X)	43	1975	4,914	2,915	65.7	1,892	64	30
1965	8,956	5,138	75.5	1,574	12	229	1976	5,320	3,225	66.7	1,983	72	23
1966	8,970	5,065	74.2	1,689	27	187	1977	5,983	3,440	63.8	2,412	91	27
1967	6,710	4,830	74.0	1,664	29	184	1978	6,509	3,623	62.4	2,729	103	34
1968	6,529	4,430	70.3	1,922	28	145	1979	7,419	4,030	61.9	3,211	98	59
1969	5,976	3,822	66.8	2,013	20	118	1980	8,689	4,680	60.3	3,848	93	46
1970	5,341	3,547	70.1	1,678	8	103	1981	9,978	4,992	55.3	4,828	87	41
1971	4,741	3,101	69.8	1,512	27	95	1982	12,091	5,494	45.4	6,362	144	61
1972	4,575	3,071	72.3	1,407	31	55	1983	15,564	6,328	40.7	9,019	178	39
1973	4,825	3,093	70.6	1,623	40	54	1984	17,449	6,590	37.8	10,590	235	34
1974	4,640	2,759	65.5	1,766	60	42							

X Not applicable. [1] Includes agencies not shown separately. [2] Includes budget authority for the space transportation system of $3.1 billion in 1982; $4.1 billion in 1983, and $4.0 billion in 1984. [3] See footnote 1, table 953.

Source: U.S. National Aeronautics and Space Administration, *Aeronautics and Space Report of the President*, annual. Data from U.S. Office of Management and Budget.

Digitized by Google

No. 970. NASA—Outlays for Operational Activities and for Research and Development: 1965 to 1986

[In millions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

Year	Agency total		Performance (operations)			Performance (R&D)				Facilities (R&D)			
	Total outlays	Percent change	Total operations	Space flight	Other	Total	Space flight	Space science, applications [1]	Air transport and other	Total R&D	Space flight	Space science, applications [1]	Air transport and other
1965	5,093	[2] 22.1	[3]	[3]	[3]	[2] 4,562	[2] 3,138	[2] 1,126	[2] 298	531	401	78	52
1970	3,753	– 11.7	[3]	[3]	[3]	[2] 3,699	[2] 2,195	[2] 963	[2] 541	54	14	21	19
1975	3,266	.3	[3]	[3]	[3]	[2] 3,161	[2] 1,500	[2] 1,076	[2] 606	85	35	9	42
1980	4,850	15.6	1,245	914	331	3,465	1,642	1,341	482	140	38	5	97
1982	6,035	11.3	2,706	2,303	403	3,220	1,255	1,442	543	109	17	3	89
1983	6,664	10.4	4,016	3,431	567	2,538	596	1,486	456	108	26	–	82
1984	7,048	5.6	3,317	2,854	463	3,539	1,183	1,667	689	192	44	20	128
1985	7,251	2.9	4,034	[4] 3,310	724	2,970	542	1,834	594	247	70	23	154
1986	7,404	2.1	3,673	2,947	726	3,432	740	2,101	591	299	107	26	166

– Represents zero. [1] Includes technology. [2] Change from 1964. [3] Performance (operations) included in performance (R&D). [4] Excludes intragovernmental funds, Federal Financing Bank, direct loan principle repayments—$67 million in 1985.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

No. 971. National Aeronautics and Space Administration—Budget Summary: 1985 to 1987

[In millions of dollars]

Item	1985	1986	1987
Budget summary, total	**7,552**	**7,764**	**10,547**
Research and development	**2,468**	**2,619**	**3,121**
Space Science and applications	1,405	1,476	1,553
Physics and astronomy	677	569	553
Hubble space telescope develop	195	126	101
Gamma ray observatory develop	117	85	51
Shuttle/spacelab payload devel-op. and mission management	105	89	90
Mission operations and data analysis	109	112	126
Suborbital program	59	60	75
Explorer development	52	48	57
Research and analysis	40	49	53
Life sciences	62	66	72
Planetary exploration	291	354	358
Magellan	93	120	97
Research and analysis	62	60	68
Galileo development	59	64	71
Mars observer	13	34	36
Mission operations and data analysis	56	67	76
Ulysses	9	9	10
Space applications	374	487	569
Environmental observations	213	272	321
Upper atmosphere research satellite mission	56	114	114
Scatterometer	12	14	33
Upper atmosphere research and analysis	31	33	33
Extended mission operations	30	34	34
TOPEX [5]	–	–	19
Atmospheric dynamics and radiation research and analysis	29	28	31
Oceanic processes research and analysis	19	21	19
Space physics research and analysis	17	20	21
Earth radiation budget experi-ence	8	2	–
COSTR [5]	–	–	5
Shuttle/spacelab payload de-velopment	8	6	12
Communications	61	96	104
Solid earth observations	[1] 58	71	76
Geodynamics	22	32	34
Research and analysis	16	17	20
Shuttle/spacelab payloads	12	22	22
Materials processing in space	27	31	48
Information systems	16	16	21
Safety, reliability, and quality assur-ance	–	–	12
Commercial programs	10	27	41
Space transportation capability development	391	404	491
Upper stages	137	122	156
Engineering and technical base	108	110	133
Payload operations and support equipment	56	55	44
Spacelab	56	78	74
Advanced programs	21	19	28
Tethered satellite system	16	15	11
Orbital maneuvering vehicle	–	5	45
Aeronautics and space technology	492	496	567
Aeronautical research and technology	342	337	419
Research and technology base	223	229	271
Systems technology programs	[1] 119	109	103
Rotorcraft systems technology	26	21	19
Numerical aerodynamic simula-tion	27	28	30
Advanced propulsion systems technology	26	42	28
High-performance aircraft	22	16	26
Transatmospheric research and technology	–	–	45
Space research and technology	150	159	168
Space station	156	200	420
Tracking and data advanced systems	15	16	17
Space flight, control and data communication programs	**3,594**	**3,670**	**5,800**
Space shuttle production and operational capability	1,485	1,370	3,105
Orbiter	674	397	373
Propulsion systems	592	793	464
Launch and mission support	218	180	148
Orbiter replacement	–	–	2,100
Changes and systems upgrade	–	–	20
Space transportation operations	1,314	1,640	1,847
Flight hardware	723	891	936
Flight operations	316	434	558
Launch and landing operations	276	315	353
Expendable launch vehicles	–	–	2
Space and ground network, communi-cations and data systems	796	660	846
Space network	376	274	405
Ground network	233	210	237
Communications and data systems	184	176	204
Research and program man-agement	**1,332**	**1,342**	**1,461**
Construction of facilities	**158**	**133**	**166**

– Represents or rounds to zero. [1] Includes other items not shown separately. [5] Ocean topography experiment. [6] Col-laborative Solar Terrestrial Geotail Research.

Source: U.S. National Aeronautics and Space Administration, *NASA News*.

Digitized by Google

No. 972. NASA—Permanent Personnel Distribution Summary: 1975 to 1986

Code and installation	1975	1980	1982	1983	1984	1985	1986		
							Total	Percent male	Percent Black [1]
Total	24,333	22,613	21,186	21,924	21,415	21,423	21,228	74.2	8.9
Professional	15,169	14,749	14,298	14,664	14,410	14,819	14,603	82.5	5.4
Scientists and engineers, aerospace technicians	11,438	10,779	10,395	10,779	10,605	10,984	10,925	90.3	3.7
Administrators	3,504	3,539	3,462	3,569	3,526	3,675	3,656	53.9	10.7
Scientists and engineers, non aerospace technicians	180	377	302	264	226	209	171	90.1	6.4
Life sciences	47	54	49	52	53	51	51	72.5	3.9
Non-professional	9,164	7,864	6,978	7,260	7,005	6,604	6,425	55.0	14.0
INSTALLATION									
Headquarters	1,562	1,516	1,431	1,505	1,408	1,383	1,382	56.9	21.7
Ames Research Center, CA [2]	2,161	2,116	2,041	2,083	2,093	2,052	2,072	76.9	4.2
Lewis Research Center, Cleveland, OH	3,042	2,822	2,485	2,676	2,650	2,715	2,598	82.3	6.3
Langley Research Center, Hampton, VA	3,315	2,966	2,801	2,968	2,873	2,827	2,814	78.6	9.1
Goddard Space Flight Center, MD [3]	4,165	3,818	3,621	3,718	3,581	3,629	3,679	73.9	9.0
Marshall Space Flight Center, AL	4,100	3,563	3,332	3,412	3,264	3,284	3,260	73.7	6.7
National Space Technology Labs, MS	69	103	103	111	112	122	123	66.7	8.1
Johnson, Houston, TX	3,660	3,508	3,268	3,305	3,316	3,330	3,289	71.8	7.1
Kennedy, FL	2,259	2,201	2,104	2,146	2,118	2,081	2,051	72.5	5.4

[1] Excludes Hispanic Blacks. [2] Includes Flight Research Center, California. [3] Includes Wallops Flight Research Center, Virginia.

Source: U.S. National Aeronautics and Space Administration, *Personnel Management Information System* (PMIS), annual

No. 973. Space Vehicle Systems—Net Sales and Backlog Orders: 1965 to 1985

[**In millions of dollars.** Backlog orders as of **Dec. 31.** Based on data from major companies engaged in manufacture of aerospace products. Excludes engines and propulsion units]

Year	Net sales			Backlog orders			Year	Net sales			Backlog orders		
	Total	Military	Non-military	Total	Military	Non-military		Total	Military	Non-military	Total	Military	Non-military
1965	2,449	602	1,847	2,203	503	1,700	1981	3,856	1,736	2,120	3,174	2,164	1,010
1970	1,956	1,025	931	1,184	786	398	1982	4,749	2,606	2,143	4,337	2,403	1,934
1975	2,119	1,096	1,023	1,304	1,019	285	1983	4,940	2,420	2,520	4,865	2,733	2,132
1980	3,483	1,461	2,022	1,814	951	863	1984	5,225	3,019	2,206	4,624	3,099	1,525
							1985	6,271	4,212	2,059	5,200	3,434	1,766

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA-37D, *Aerospace Industry (Sales and Orders)*.

No. 974. Space Shuttle System Expenditures by NASA in Constant (1982) Dollars: 1972 to 1986

[**In millions of dollars.** For year ending **Sept. 30.** These data cannot be used alone to estimate the total shuttle cost. Only operating expenditures correspond to an annual cost in the economic sense, and even those estimates require adjustment for the three-year period over which the cost of a shuttle flight is incurred and reimbursements are received. For details, see source]

Year	Total	D.D.T. and E [1]	Construction	Production	Operations	Year	Total	D.D.T. and E [1]	Construction	Production	Operations
1972	40	-	40	-	-	1980	2,751	1,339	42	907	463
1973	58	-	58	-	-	1981	2,724	1,041	13	1,093	578
1974	325	216	109	-	-	1982	2,932	894	20	1,283	735
1975	1,543	1,407	136	-	-	1983	3,014	-	26	1,635	1,354
1976	2,619	2,541	79	-	-	1984	3,127	-	73	690	2,364
1977	2,258	2,089	60	109	-	1985	2,636	-	42	1,378	1,218
1978	2,062	1,998	103	61	-	1986	2,791	-	4	1,266	1,521
1979	2,251	1,713	42	496	-						

- Represents zero. [1] Design, development, testing, and evaluation.

Source: U.S. Congress, Congressional Budget Office, *Pricing Options for the Space Shuttle*, March 1985 and U.S. National Aeronautics and Space Administration, *NASA Budget Estimates for Fiscal Year 1988*.

No. 975. World-Wide Successful Space Launches: 1957 to 1986

[Criterion of success is attainment of Earth orbit or Earth escape. E.S.A. = European Space Agency]

Year	Total [1]	Soviet Union	United States	Japan	E.S.A.	India	China, Mainland	Year	Total [1]	Soviet Union	United States	Japan	E.S.A.	India	China, Mainland
Total	**2,866**	**1,922**	**867**	**31**	**14**	**3**	**17**	1970-1974	555	405	139	5	-	-	2
1957-1959	21	6	15	-	-	-	-	1975-1979	607	461	126	10	1	-	6
1960-1964	268	76	192	-	-	-	-	1980-1984	605	483	93	12	8	3	6
1965-1969	586	302	279	-	-	-	-	1985	121	98	17	2	3	-	1
								1986	103	91	6	2	2	-	2

- Represents zero. [1] Includes launches in other countries not shown separately.

Source: Library of Congress, Congressional Research Service, Science Policy Research Division, *Space Activities of the United States, Soviet Union and Other Launching Countries/Organization: 1957-1986*, February 1987.

Digitized by Google



Section 21

Transportation—Land

This section presents statistics on revenues, passenger and freight traffic volume, and employment in various revenue-producing modes of the transportation industry, including motor vehicles, trains, and pipelines. Data are also presented on commuting travel; highway mileage and finances; motor vehicle travel, accidents, sales, and registrations; automobile operating costs; and characteristics of public transit, railroads, and pipelines.

The principal compiler of data on public roads and on operation of motor vehicles is the U.S. Department of Transportation's (DOT) Federal Highway Administration (FHWA). These data appear in FHWA's annual *Highway Statistics.* The U.S. Interstate Commerce Commission (ICC) presents data on interstate land transport in its publications, the *Annual Report to Congress* and the *Transport Statistics in the United States,* which contain data on railroads and motor carriers subject to ICC regulations.

The U.S. National Highway Traffic Safety Administration issues data on traffic accident deaths and death rates in two annual reports: the *Fact Book* and the *Fatal Accident Reporting System Annual Report.* DOT's Federal Railroad Administration presents data on accidents involving railroads in its annual *Accident/Incident Bulletin,* and the *Rail-Highway Crossing Accident/Incident and Inventory Bulletin.*

Various censuses and surveys conducted by the U.S. Bureau of the Census also provide data. Results of the censuses of transportation are presented in the *Truck Inventory and Use Survey.* The *Annual Survey of Manufactures* and reports of the censuses of manufactures, wholesale and retail trade, and service industries contain statistics on the motor vehicle and equipment industry and on retail, wholesale, and services aspects of this industry. Data on persons commuting to work were collected as part of the 1980 census and are in various census reports.

Data are also presented in many nongovernment publications. Among them are: The weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts,* both published by the Association of American Railroads, Washington, DC; *Bus Facts,* issued annually by the American Bus Association, Washington, DC; and the *Transit Fact Book,* containing electric railway and motorbus statistics, published annually by the American Public Transit Association, Washington, DC. Useful annual handbooks in the field of transportation are *Motor Vehicle Facts and Figures* and *World Motor Vehicle Data,* issued by the Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI; *Accident Facts,* issued by the National Safety Council, Chicago, IL; and *Transportation in America,* issued by the Transportation Policy Associates, Washington, DC.

Urban and rural highway mileage.—Beginning 1980, mileage is classified in urban and rural categories, rather than municipal and rural. Urban denotes the Federal-aid legislation definition of an area. Such areas include, as a minimum, a census place with a population of 5,000 to 49,999 or a designated urbanized area with a population of 50,000 or more. These Federal-aid urban areas may extend beyond corporate and census boundaries, and thus are not necessarily coextensive with municipal boundaries. Rural in 1980 refers to non-Federal-aid urban area mileage. Prior to 1980, municipal referred to roads within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas and rural to non-municipal roads.

Federal-aid highway systems.—Federal law provides that Federal funds be matched in varying proportions with State funds for the costs of planning, engineering, right-of-way acquisition, and construction of highways. Other costs, such as maintenance and policing, are borne entirely by the States and local agencies.

Effective July 1, 1976, a uniform road classification system was implemented which shortened the mileage of the highway system and redefined the three main systems of Federal-aid routes. The Federal-aid primary system is comprised of a network of main roads important to interstate, statewide, and regional travel. The system consists of main rural roads and their extensions into or through urban areas. The Federal-aid secondary system consists of rural roads of a more local nature, such as those which connect county seats and the larger population centers not served by

Digitized by Google

the primary system. The Federal-aid urban system is located in urban places of 5,000 or more persons and consists of major urban roads and streets, except those on the primary system.

Regulatory bodies.—The ICC, created by the U.S. Congress to regulate transportation in interstate commerce, has jurisdiction over railroads, trucking companies, bus lines, freight forwarders, water carriers, coal slurry pipelines, and transportation brokers. The Federal Energy Regulatory Commission is responsible for setting rates and charges for transportation and sale of natural gas and for establishing rates or charges for transportation.

Motor carriers.—For 1960-1973, class I for-hire motor carriers of freight were classified by the ICC as those with $1 million or more of gross annual operating revenue; 1974-1979, the class I minimum was $3 million. Effective January 1, 1980 classI carriers are those with $5 million or more in revenue. For 1960-1968, class I motor carriers of passengers were classified by the ICC as those with $200,000 or more of gross annual operating revenue; for 1969-1976, as those with revenues of $1 million or more; and since 1977, as those with $3 million or more.

Railroads.—Railroad companies reporting to the ICC are divided into specific groups as follows: (1) Regular line-haul (interstate) railroads (and their non-operating subsidiaries); (2) switching and terminal railroads; (3) private railroads prior to 1964 (identified by ICC as "circular" because they reported on brief circulars); and (4) unofficial railroads, so designated when their reports are received too late for tabulation. For the most part, the last 3 groups are not included in the statistics shown here.

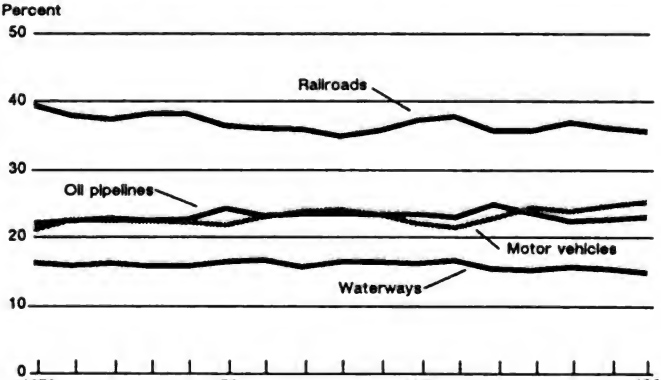
For years prior to 1978, class I railroads were those with annual revenues of $1 million or more for 1950-1955; $3 million or more for 1956-1964; $5 million or more for 1965-1975; and $10 million or more for 1976-1977. In 1978, the classification became class I, those having more than $50 million gross annual operating revenue; class II, from $10 million to $50 million; and class III, less than $10 million. Effective January 1, 1982, the ICC adopted a procedure to adjust the threshold for inflation by restating current revenues in constant 1978 dollars. In 1986, the criteria for class I and class II railroads were $88.5 million and $17.7 million, respectively. Also effective January 1, 1982, the ICC adopted a *Carrier Classification Index Survey Form* for carriers not filing annual report form R-1 with the commission. Class II and class III railroads are currently exempted from filing any financial report with the Commission. The form is used for reclassifying carriers.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Figure 21.1
Ton-Miles of Domestic Intercity Freight Traffic-Percent Distribution by Type of Transportation: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 979.

Digitized by Google

No. 976. Passenger and Freight Transportation Outlays, by Type of Transport: 1970 to 1986

[**In billions of dollars.** Freight data include outlays for mail and express. ICC = Interstate Commerce Commission]

Type of transport	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, est.
Total outlays [1]	**195.6**	**297.8**	**348.9**	**392.2**	**446.1**	**492.4**	**540.9**	**595.8**	**588.7**	**638.7**	**706.0**	**742.0**	**757.0**
Passenger, total	114.9	187.4	221.8	248.3	279.3	307.6	336.9	373.5	377.7	409.0	455.7	483.3	489.6
Private transportation	99.6	161.3	191.8	215.0	241.9	263.9	284.8	317.4	320.6	347.2	387.0	412.6	417.6
Automobiles [2]	97.0	156.6	186.6	210.0	235.9	256.8	276.7	308.0	312.4	339.8	378.8	404.3	410.0
New and used cars	32.1	46.0	59.7	70.4	80.4	77.1	73.3	82.6	85.7	105.6	125.7	138.5	150.2
Tires, tubes, accessories	7.1	12.4	13.8	15.8	17.2	19.8	22.2	24.6	24.9	26.9	27.5	28.4	28.9
Gasoline and oil	29.9	53.9	58.6	56.7	60.3	78.3	99.7	111.3	106.3	105.9	106.7	108.1	92.5
Insurance less claims	4.4	4.5	6.4	9.5	10.2	10.3	11.5	10.8	11.2	12.5	12.0	11.8	12.4
Interest on debt	4.7	7.3	8.6	10.4	12.8	15.4	17.5	21.0	21.8	19.6	25.1	24.5	25.0
Registration and operator's permit fees	1.9	2.3	2.7	2.8	3.0	3.1	3.3	3.5	3.8	4.1	4.5	5.3	5.6
Repair, greasing, washing, parking, tolls [3]	13.2	22.1	25.0	29.5	33.0	36.7	38.0	41.5	43.5	45.7	50.4	56.2	59.0
Air	2.6	4.7	5.2	5.6	5.9	7.1	8.1	9.4	8.2	7.4	8.2	8.3	7.6
Aircraft	.4	1.0	1.2	1.5	1.7	2.1	2.9	3.8	2.8	1.9	2.5	2.3	2.0
Operating costs	2.3	3.8	4.0	4.1	4.2	5.0	5.2	5.6	5.4	5.5	5.7	6.0	5.6
For-hire transportation	15.3	26.2	30.0	33.3	37.3	43.9	52.2	56.1	57.1	61.8	68.7	70.8	72.0
Local [4]	5.4	10.5	12.1	12.7	13.9	15.4	18.5	20.4	21.3	22.3	23.6	24.2	24.9
Bus and transit [5]	1.8	4.7	5.8	5.9	6.7	7.5	9.2	10.1	10.3	11.4	11.7	11.8	12.0
School bus	1.2	2.2	2.4	2.5	2.7	3.2	3.8	4.7	5.0	5.2	5.8	6.1	6.3
Taxi	2.1	3.4	3.8	4.1	4.3	4.5	5.2	5.2	5.6	5.3	5.5	5.6	5.9
Intercity	7.7	12.9	14.9	17.2	19.6	23.3	28.4	30.6	30.5	33.5	38.5	39.5	40.0
Air	6.6	11.2	13.0	14.9	17.1	20.4	25.1	26.8	26.8	29.7	33.6	35.9	36.6
Rail [6]	.3	.6	.9	1.2	1.3	1.4	1.6	1.9	1.8	1.8	1.8	1.6	1.6
Bus	.8	1.0	1.1	1.1	1.2	1.4	1.7	1.8	1.9	2.0	2.0	2.0	1.8
International	2.2	2.7	2.9	3.4	3.8	4.6	5.3	5.3	5.4	6.0	6.6	7.0	7.1
Freight, total [6]	83.8	115.5	133.2	150.4	174.0	192.9	212.1	234.6	220.9	240.5	262.1	271.7	281.6
Highway	62.5	84.8	98.0	111.4	128.8	142.7	155.4	173.3	162.7	180.5	195.6	205.5	216.1
Truck, intercity	33.6	47.4	56.2	67.4	79.6	90.2	94.6	100.2	99.9	111.1	120.7	126.9	137.0
ICC regulated	14.8	22.0	26.0	31.0	36.5	41.2	43.0	47.9	44.1	46.5	52.1	54.2	58.1
Non-ICC regulated	19.0	25.4	30.2	36.4	43.1	49.0	51.6	52.3	55.8	64.6	68.6	74.7	78.9
Truck, local	28.8	37.3	41.6	43.9	49.1	52.3	60.5	72.8	62.5	69.2	74.7	78.4	78.9
Rail	11.9	16.5	19.2	20.5	21.9	24.8	27.7	30.5	27.1	27.3	30.5	29.2	27.5
Water	5.1	7.9	8.9	10.3	12.4	13.4	14.8	15.7	15.6	16.2	17.8	18.7	18.9
Oil pipeline	1.4	2.2	2.5	3.2	5.5	6.2	7.1	7.4	7.9	8.3	8.7	8.9	8.6
Air carrier	1.2	1.8	2.1	2.4	2.7	2.8	4.0	4.3	4.4	5.0	6.0	6.7	7.2

[1] Total outlays less than sum of passenger and freight totals, as estimated freight costs included in costs of new cars, gasoline, oil, tires, and tubes have been excluded to prevent duplication. [2] Includes business-owned vehicles. [3] Includes storage and rental. [4] Includes items not shown separately. [5] Includes Federal, State and local government operating subsidies and capital grants. [6] Includes Federal operating subsidies and capital grants for Amtrak.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1987, with periodic supplements. (Copyright.)

No. 977. Personal Consumption Expenditures for Transportation: 1970 to 1986

[**In billions of dollars, except percent.** Represents market value of purchases of goods and services by individuals and nonprofit institutions]

Type of product or service	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total expenditures	**81.5**	**131.2**	**157.1**	**181.5**	**199.9**	**222.0**	**238.5**	**261.5**	**267.8**	**295.4**	**329.5**	**358.8**	**365.3**
Percent of total personal consumption [1]	12.7	13.0	13.9	14.4	14.2	14.2	13.8	13.7	13.0	13.2	13.8	13.8	13.0
User-operated transportation	74.5	119.9	144.0	166.8	183.7	203.5	216.8	238.0	243.7	270.5	301.8	329.7	335.8
New autos	21.9	29.3	38.2	44.4	48.5	49.3	46.4	50.7	53.3	66.2	77.8	86.9	101.5
Net purchases of used autos	5.2	8.5	11.1	12.2	13.7	14.8	14.9	17.8	19.8	21.6	30.2	34.5	33.8
Other motor vehicles	2.7	7.7	12.1	15.9	19.2	17.6	12.3	12.9	15.8	20.7	26.4	31.3	34.8
Tires, tubes, accessories, other parts	6.1	10.3	11.4	12.9	13.7	15.3	16.7	19.1	20.2	21.9	23.3	25.0	25.0
Repair, greasing, washing, parking [2]	12.3	19.8	22.1	25.7	28.0	31.1	32.3	34.8	35.4	38.4	42.8	48.3	51.8
Gasoline and oil	21.9	39.7	43.0	46.9	51.3	66.1	83.7	92.7	89.1	90.2	90.0	92.8	75.3
Bridge, tunnel, ferry, road tolls	.7	.8	.9	.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4
Insurance premiums less claims paid	3.8	3.8	5.3	7.8	8.3	8.4	9.4	8.9	9.1	10.3	10.0	9.9	12.4
Purchased local transportation [3]	3.0	4.0	4.4	4.8	5.1	5.6	5.8	6.2	6.4	6.5	6.9	7.1	7.6
Transit systems	1.6	1.9	2.0	2.1	2.2	2.4	2.4	2.7	3.0	3.1	3.4	3.5	3.8
Taxicab	1.2	2.0	2.2	2.4	2.6	2.9	3.1	3.2	3.0	2.9	3.0	3.1	3.3
Purchased intercity transportation	4.0	7.3	8.6	9.9	11.1	13.0	15.9	17.3	17.8	18.4	21.0	22.0	21.9
Airline	3.1	5.9	7.1	8.3	9.3	10.9	13.4	14.5	14.7	15.3	17.5	18.3	18.1
Bus	.5	.7	.8	.8	.8	1.0	1.2	1.3	1.3	1.2	1.2	1.2	1.1
Railway and other [4]	.4	.7	.8	.9	.9	1.1	1.3	1.5	1.8	1.9	2.2	2.5	2.7

[1] See table 676. [2] Includes rental and storage. [3] Includes railway commutation, not shown separately. [4] Railway excludes commutation; "other" consists of baggage charges, coastal and inland waterway fares, travel agents' fees and airport bus fares.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

Digitized by Google

No. 978. Employment and Earnings in Transportation, by Industry: 1970 to 1986

[Annual averages of monthly figures. Based on Current Employment Statistics program; see Appendix III. *See also Historical Statistics, Colonial Times to 1970*, series Q 36-42]

SIC [1] code	INDUSTRY	1970	1975	1980	1981	1982	1983	1984	1985	1986
	NUMBER (1,000)									
(x)	**Total**	**2,684**	**2,636**	**2,962**	**2,922**	**2,788**	**2,745**	**2,917**	**3,003**	**3,041**
40	Railroads	634	548	532	495	429	376	376	359	331
4011	Class I railroads	566	498	482	457	398	348	345	323	294
41	Local and interurban passengers	269	270	265	265	263	257	271	278	282
421, 3	Trucking, incl. terminals	999	1,024	1,189	1,168	1,125	1,132	1,227	1,267	1,282
422	Public warehousing	84	84	91	88	84	85	91	96	100
44	Water transportation	213	195	213	219	202	191	191	186	174
45	Air transportation	352	363	453	455	444	455	489	522	570
46	Pipelines, exc. natural gas	18	18	21	22	21	20	19	19	18
47	Transportation services	115	134	198	210	220	229	253	276	284
	AVERAGE WEEKLY EARNINGS (dol.)									
4011	Class I railroads	172	262	427	458	484	542	573	595	608
41	Local and interurban passengers	(NA)	148	217	231	248	252	258	261	275
421, 3	Trucking, incl. terminals	164	247	366	395	401	408	415	412	415
422	Public warehousing	121	171	248	266	277	288	306	315	318
46	Pipelines, exc. natural gas	189	280	441	491	536	586	597	629	637

NA Not available. [1] Standard Industrial Classification, see text, section 13.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 979. Volume of Domestic Intercity Freight and Passenger Traffic, by Type of Transport: 1970 to 1986

[A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1970*, series Q1-22]

TYPE OF TRANSPORT	1970	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986 [1]
FREIGHT TRAFFIC (bil. ton-miles)													
Total	1,936	2,232	2,066	2,307	2,467	2,573	2,487	2,430	2,252	2,337	2,515	2,458	2,502
Railroads	771	858	759	834	868	927	932	924	810	841	935	895	896
Motor vehicles	412	505	454	555	599	608	555	527	520	575	606	610	627
Inland waterways [2]	319	358	342	366	409	425	407	410	351	359	399	382	393
Oil pipelines	431	507	507	546	586	608	588	564	566	566	568	564	579
Domestic airways [3] [4]	3.3	4.0	3.7	4.2	4.8	4.6	4.8	5.1	5.1	5.9	6.5	6.7	7.3
PERCENT DISTRIBUTION													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Railroads	39.82	38.44	36.74	36.15	35.18	36.03	37.47	38.02	36.00	35.99	37.18	36.43	35.80
Motor vehicles	21.28	22.63	21.97	24.06	24.28	23.64	22.32	21.69	23.11	24.60	24.10	24.83	25.10
Inland waterways [2]	16.48	16.04	16.55	15.95	16.58	16.52	16.37	16.87	15.60	15.36	15.86	15.55	15.70
Oil pipelines	22.26	22.72	24.54	23.67	23.75	23.64	23.64	23.21	25.16	23.79	22.58	22.95	23.10
Domestic airways [3] [4]	.17	.18	.19	.18	.19	.18	.19	.21	.23	.25	.26	.24	.29
PASSENGER TRAFFIC (bil. passenger-miles)													
Total	1,181	1,341	1,354	1,529	1,602	1,590	1,558	1,573	1,609	1,645	1,687	1,744	1,815
Private automobiles	1,026	1,163	1,171	1,316	1,362	1,322	1,300	1,319	1,345	1,364	1,388	1,418	1,480
Domestic airways [3]	119	143	148	177	203	228	219	216	227	245	263	291	320
Bus [5]	25	26	25	26	26	27	27	27	27	26	25	24	24
Railroads [7]	11	9	10	10	11	12	11	11	10	10	10	11	12
PERCENT DISTRIBUTION													
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Private automobiles	86.88	86.73	86.48	86.07	85.02	83.14	83.44	83.80	83.53	82.82	82.28	81.31	80.43
Domestic airways [3]	10.08	10.66	10.93	11.58	12.67	14.34	14.06	13.72	14.11	14.88	15.59	16.68	17.64
Bus [5]	2.12	1.94	1.85	1.70	1.62	1.75	1.73	1.72	1.68	1.64	1.48	1.38	1.27
Railroads [7]	.93	.67	.74	.65	.69	.75	.71	.76	.68	.67	.65	.63	.66

[1] Estimated by source, based on available data. [2] Includes Great Lakes and inland waterways, but not coastwise, traffic. [3] Revenue service only for scheduled and non-scheduled carriers, with small Section 418 all-cargo carriers included from 1978. [4] Includes express, mail, and excess baggage. [5] Includes general aviation (mostly private business) flying. [6] Excludes school and urban transit buses. [7] Includes electric railways and rail commuter service.

Source: Transportation Policy Associates, Washington, DC, *Transportation in America*, March 1987, with periodic supplements. (Copyright.)

Digitized by Google

NO. 980. TRANSPORTATION ACCIDENTS, AND RESULTING DEATHS AND INJURIES, BY TYPE OF TRANSPORT: 1970 TO 1986

[For motor vehicle data, see also tables 997 and 998; for railroad data, see also table 1017; for air carrier and general aviation data, see also tables 1024 and 1026]

YEAR AND CASUALTY	Total (1,000)	TYPE OF TRANSPORT											
		Motor vehicle [1] (1,000)	Railroad [2]	Air carriers				General aviation [6]	Recreational boating [7]	Gas pipelines [8]	Liquid pipelines [9]	Waterborne [10]	Hazardous materials [11]
				Total	Airlines [3]	Commuter air carriers [4]	On demand air carriers [5]						
Accidents:													
1970	16,013	16,000	6,095	(NA)	(NA)	(NA)	(NA)	(NA)	3,803	1,019	351	(NA)	(NA)
1975	16,524	16,500	6,041	237	37	48	152	3,995	6,308	1,373	254	3,310	10,951
1980	17,925	17,900	6,451	226	19	38	171	3,590	5,513	1,996	219	4,624	15,737
1981	16,020	16,000	5,781	214	26	31	157	3,500	5,208	1,695	239	3,503	10,070
1982	18,116	18,100	4,589	178	19	27	132	3,231	5,377	1,711	200	3,174	6,636
1983	16,319	16,300	3,906	184	25	19	140	3,060	5,569	1,575	161	4,704	5,845
1984	16,617	18,800	3,900	185	16	21	146	3,008	5,700	965	188	3,275	5,776
1985	19,348	19,300	3,275	196	23	21	152	2,745	6,237	335	181	3,439	6,014
1986	(NA)	(NA)	2,620	157	25	15	117	2,568	6,407	230	204	2,694	5,671
Deaths:													
1970	54.6	52.6	785	(NA)	(NA)	(NA)	(NA)	(NA)	1,416	22	4	(NA)	(NA)
1975	48.2	44.5	575	221	124	28	69	1,252	1,466	14	7	243	27
1980	54.5	51.1	584	143	1	37	105	1,239	1,360	11	3	206	19
1981	52.5	49.3	556	132	4	34	94	1,282	1,206	17	5	154	25
1982	47.2	43.9	512	320	234	14	72	1,182	1,178	31	–	223	12
1983	45.7	42.6	498	89	15	12	62	1,081	1,241	12	6	289	6
1984	44.6	44.3	598	102	4	46	52	1,115	1,063	35	–	113	7
1985	47.3	43.6	454	640	526	37	77	976	1,116	28	5	167	6
1986	48.8	48.1	474	72	4	4	64	973	1,066	23	3	83	16
Injuries:													
1970	2,024	2,000	21,327	(NA)	(NA)	(NA)	(NA)	(NA)	780	347	21	(NA)	(NA)
1975	1,658	1,600	54,306	109	71	6	32	726	2,136	619	17	97	648
1980	2,066	2,000	62,246	74	17	14	43	675	2,650	310	15	176	626
1981	1,956	1,900	53,003	82	21	24	37	597	2,474	74	22	141	643
1982	1,741	1,700	37,638	98	31	28	39	620	2,682	220	6	271	130
1983	1,636	1,600	32,196	49	8	12	29	566	2,913	242	9	209	193
1984	1,739	1,700	35,660	67	9	23	35	595	2,709	229	19	134	257
1985	1,705	1,700	31,592	92	30	16	43	517	2,757	121	17	167	253
1986	(NA)	(NA)	24,281	54	15	10	27	542	2,847	106	32	67	315

– Represents zero. NA Not available. [1] Data on deaths are from U.S. National Highway Traffic Safety Administration and are based on 30 day definition; see table 997. Other data are from National Safety Council. [2] Train accidents cover only those accidents which result in damages to railroad property exceeding amounts specified by the U.S. Federal Railroad Administration. The reporting threshold was raised from $750 to $1,750 in 1975; to $2,900 in 1979; to $3,700 in 1981; to $4,500 in 1983; and to $4,900 in 1985. Grade crossing accidents are also included when classified as a train accident. Deaths exclude fatalities in railroad-highway grade crossing accidents. [3] Includes scheduled and non-scheduled (charter) air carriers operating under 14 CFR 121, 125, and 127. Injuries include only serious injuries. [4] All scheduled service operating under 14 CFR 135. Injuries include only serious injuries. [5] All non-scheduled service operating under 14 CFR 135. Injuries include only serious injuries. [6] 1975–1984 data exclude commuter and on-demand air taxis operating under 14 CFR 135. [7] Accidents are required to be reported to the U.S. Coast Guard whenever they result in a death; a person being injured or receiving medical treatment beyond first aid; damages exceed $200; or a person's disappearance. [8] Pipeline accidents/incidents are credited to the year in which they occurred beginning with 1983 data; prior data are credited to the year the accident/incident reports were filed. Fatalities and injuries as reported in annual report. [9] Pipelines carrying hazardous materials, petroleum, and liquid petroleum products. [10] Covers accidents involving commercial vessels which must be reported to U.S. Coast Guard if there is property damage exceeding $1,500; material damage affecting the seaworthiness or efficiency of a vessel; stranding or grounding; loss of life; or injury causing a person's incapacity for more than 3 days. [11] Accidents, deaths, and injuries involving hazardous materials cover all types of transport.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *Transportation Safety Information Report*, annual.

NO. 981. FEDERAL OUTLAYS FOR TRANSPORTATION, BY FUNCTION: 1970 TO 1987

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

FUNCTION	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, est.
Total outlays	**7,008**	**10,918**	**15,521**	**17,532**	**21,329**	**23,379**	**20,625**	**21,334**	**23,669**	**25,838**	**28,117**	**27,017**
Percent of total outlays	3.6	3.3	3.4	3.5	3.6	3.4	2.6	2.6	2.6	2.7	2.6	2.7
Average annual percent change [1]	7.4	19.0	4.7	13.0	21.7	9.6	–11.8	3.4	10.9	9.2	8.8	–3.9
Ground transportation	4,676	7,027	10,431	12,115	15,274	17,074	14,321	14,265	16,158	17,606	18,725	17,866
Air transportation	1,408	2,387	3,243	3,355	3,723	3,614	3,526	4,000	4,415	4,895	5,267	5,304
Water transportation	895	1,430	1,787	1,969	2,229	2,381	2,687	2,969	3,010	3,201	3,964	3,717
Other transportation	26	74	61	93	104	110	90	99	85	137	140	130

[1] Change from immediate prior year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

Digitized by Google

No. 982. Highway Mileage—Urban and Rural, by Type of Control, and Federal-Aid Highway System: 1955 to 1985

[In thousands, except percent. As of Dec. 31. Beginning 1980, data for urban and rural mileage are not comparable to prior years because of classification changes; see text, section 21. See also *Historical Statistics, Colonial Times to 1970*, series Q 50, 51, and 55]

TYPE AND CONTROL	1955	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984	1985
Total mileage [1]	**3,418**	**3,546**	**3,690**	**3,730**	**3,838**	**3,916**	[2] **3,955**	**3,853**	**3,866**	**3,880**	**3,892**	**3,862**
Urban mileage [3]	373	430	506	561	639	694	624	632	641	662	674	691
Under State control	42	50	65	74	84	88	79	90	103	100	103	111
Under local control	331	379	442	487	555	607	543	540	536	562	571	578
Rural mileage	3,045	3,116	3,183	3,169	3,199	3,224	[2] 3,331	3,221	3,226	3,217	3,218	3,171
Percent surfaced [4]	63.8	69.5	72.3	76.1	77.6	77.5	77.5	86.1	85.7	86.0	87.5	88.1
Under State control	620	659	687	707	711	697	702	726	[5] 825	817	816	779
Under local control	2,333	2,345	2,346	2,275	2,261	2,281	2,270	2,236	[5] 2,140	2,138	2,134	2,173
Under Federal control	93	112	150	188	227	244	262	258	261	262	266	225
Federal-aid highway system: [6]												
Primary	235	265	269	272	266	303	300	298	298	300	300	301
Interstate	(x)	10	21	32	37	40	41	42	42	43	43	44
Urban	(x)	(x)	(x)	(x)	65	124	124	129	134	137	140	144
Secondary	514	601	640	647	643	397	398	401	402	397	398	398

X Not applicable. [1] Prior to 1960, includes public and nonpublic road mileage; beginning 1981, includes only public road mileage as defined 23 USC 402. [2] Includes 98,000 miles of nonpublic road mileage previously contained in other rural categories. [3] Prior to 1960, represents municipal mileage; see text, section 21. [4] Covers soil-surfaced roads and roads with slag, gravel, stone, bituminous, or concrete surfaces. [5] Incomplete reporting from Alaska, Missouri, and Pennsylvania for control accounts for changes between 1981 and 1982. [6] For definition, see text, section 21. Beginning 1979, data represent actual mileage open to traffic rather than total highway miles carrying interstate traffic.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 983. Highway Mileage—Urban, Rural, and Federal-Aid Highway System: 1985

[As of Dec. 31. For definition of urban, rural, and Federal-aid highway system roads; see text, section 21]

STATE	Urban (1,000)	Rural (1,000)	FEDERAL-AID HIGHWAY SYSTEM [1]			
			Total		Urban	Secondary
			Primary	Interstate [2]		
U.S	**690.9**	**3,171.0**	**257,413**	**43,593**	**144,055**	**398,248**
AL	14.5	73.3	6,679	875	2,737	11,390
AK	1.6	10.0	1,043	1,091	233	1,839
AZ	10.0	66.9	3,696	1,166	2,857	3,221
AR	7.6	69.5	5,130	542	1,114	7,170
CA	66.4	107.7	11,076	2,388	16,740	11,119
CO	10.7	65.2	4,292	924	2,259	3,405
CT	10.7	8.9	1,269	339	2,948	902
DE	1.5	3.8	432	41	305	602
DC	1.1	—	173	12	233	—
FL	31.7	67.3	8,395	1,324	5,586	4,682
GA	19.7	86.5	10,050	1,225	3,936	13,962
HI	1.4	2.6	509	37	317	448
ID	2.5	66.7	2,665	605	724	4,178
IL	31.0	103.7	9,710	1,786	6,668	12,934
IN	17.5	73.9	4,968	1,119	4,530	9,331
IA	8.6	103.9	8,851	782	2,402	13,437
KS	8.6	123.8	8,071	816	1,559	22,589
KY	7.5	62.0	3,779	739	1,847	7,245
LA	12.4	45.9	3,156	686	2,143	7,358
ME	2.4	19.6	2,007	312	694	2,727
MD	11.6	16.0	2,195	386	2,106	1,897
MA	20.6	13.2	2,215	562	5,903	2,007
MI	26.6	91.0	5,963	1,131	4,832	19,019
MN	13.5	118.5	9,321	884	2,090	16,490
MS	7.0	64.7	5,693	686	1,664	11,739
MO	15.0	104.1	6,903	1,142	2,362	18,139
MT	2.3	69.2	5,476	1,169	325	4,722
NE	4.9	87.2	7,227	481	1,084	11,441
NV	3.0	40.8	1,650	543	512	2,331
NH	2.4	12.1	1,136	207	714	1,239
NJ	22.4	11.5	1,463	385	5,349	1,720
NM	5.4	48.2	3,556	1,000	596	3,917
NY	37.0	73.1	8,433	1,497	6,670	6,345
NC	17.9	75.4	4,483	795	2,624	10,312
ND	1.6	84.4	5,537	571	433	10,487
OH	30.5	82.5	6,645	1,549	7,613	11,592
OK	12.3	98.4	5,309	927	2,966	10,260
OR	8.4	85.8	5,004	716	1,987	7,766
PA	29.1	86.6	9,913	1,524	6,083	8,039
RI	4.4	1.6	436	70	899	197
SC	9.0	54.2	5,607	784	1,157	8,509
SD	1.7	71.5	5,799	677	373	11,202
TN	13.7	70.1	6,072	1,057	3,048	5,335
TX	69.4	212.8	16,680	3,148	7,510	32,594
UT	5.1	43.4	2,630	848	847	2,559
VT	1.0	13.1	1,110	320	260	1,947
VA	13.8	51.7	5,463	1,027	3,266	10,187
WA	15.4	65.6	5,028	727	3,897	7,205
WV	3.0	32.2	2,450	479	785	5,360
WI	14.0	94.5	8,860	578	2,969	11,641
WY	1.6	36.6	2,983	912	499	2,287

— Represents zero. [1] Highway mileage open to traffic [2] Although the interstate system is part of the Federal-aid primary system, its mileage is shown separately.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

Digitized by Google

NO. 984. HIGHWAY MILEAGE—PAVEMENT CONDITION FOR URBAN AND RURAL AREAS, BY TYPE OF ROAD SYSTEM: 1978 TO 1985

[Highway pavement condition is classified by the Present Serviceability Rating (PSR) system, which ranges from a high of 5.0 down to 0.1. The reported ranges are defined as: PSR 5.0–3.5, pavements give a first class ride and exhibit few, if any, visible signs of surface wear. Of the quality of new or nearly new pavements. PSR 3.4–2.0, pavements have a riding quality somewhat inferior to that of new pavements or may even be barely tolerable at high speeds. Surfaces may show signs of cracking, substantial patching, and rutting. PSR 1.9–0.1, pavements show extensive wear to the point of needing resurfacing or may even need complete reconstruction]

PAVEMENT CONDITION	INTERSTATE ROAD SYSTEMS				ARTERIAL ROAD SYSTEMS				COLLECTOR ROAD SYSTEMS			
	1978	1980	1984	1985	1978	1980	1984	1985	1978	1980	1984	1985
URBAN AREAS												
Percent of road mileage rated—												
PSR 0.1–1.9 (0.1–2.4) [1]	8	6	9	7	5	7	6	5	7	9	8	7
PSR 2.0–3.4 (2.5–3.4) [1]	34	26	36	38	48	42	52	53	59	50	58	58
PSR 3.5–5.0	58	68	55	55	47	51	42	42	34	41	34	35
RURAL AREAS												
Percent of road mileage rated—												
PSR 0.1–1.9 (0.1–2.4) [1]	9	5	8	7	6	8	6	4	9	16	11	7
PSR 2.0–3.4 (2.5–3.4) [1]	28	26	34	33	52	46	50	51	66	55	56	48
PSR 3.5–5.0	63	69	58	60	42	48	44	45	25	29	33	47

[1] PSR range shown in parentheses applies to Interstate roads only.

NO. 985. RECEIPTS AND DISBURSEMENTS FOR HIGHWAYS, BY TYPE: 1970 TO 1987

[**In millions of dollars.** Data compiled from reports of State and local authorities. For Federal highway trust fund receipts, disbursements, and balances, see table 473. State data include District of Columbia]

TYPE	1970	1975	1980	1984	1985	1986	1987, proj.		
							Total [1]	Federal	State
Total receipts	21,747	29,160	39,715	53,822	61,506	64,267	67,560	15,176	35,526
Current income	19,861	26,921	37,604	50,518	54,957	58,989	62,510	15,176	32,526
Imposts on highway users [2]	15,311	18,578	22,559	33,279	35,599	38,743	41,864	13,033	27,976
Other taxes and fees	3,732	6,605	11,808	13,379	15,127	16,030	16,669	1,120	3,190
Investment income and other receipts	818	1,738	3,237	3,860	4,231	4,216	3,977	1,023	1,360
Bond issue proceeds [3]	1,886	2,239	2,111	3,304	6,549	5,278	5,050	–	3,000
Intergovernmental payments [4]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	13,319	5,998
Funds drawn from (+) or placed in (–) reserves	–912	–461	+2,080	–3,438	–4,058	–969	–933	–949	–336
Total funds available	20,835	28,699	41,795	50,384	57,448	63,278	66,627	908	40,736
Total disbursements	20,835	28,699	41,795	50,384	57,448	63,278	66,627	908	40,736
Current disbursements	19,583	27,207	40,084	47,852	54,725	60,626	63,806	908	38,956
Capital outlay	11,575	14,398	20,337	22,897	27,138	30,265	31,521	458	23,417
Maintenance and traffic services	4,720	7,286	11,445	15,036	16,032	17,343	18,267	121	7,146
Administration and research	1,275	1,961	3,022	3,637	4,003	4,463	4,783	329	1,454
Law enforcement and safety	1,303	2,411	3,824	4,625	5,334	5,950	6,447	–	3,572
Interest on debt	710	1,129	1,456	1,657	2,188	2,605	2,786	–	1,823
Debt retirement [3]	1,252	1,492	1,711	2,532	2,723	2,652	2,821	–	1,780

– Represents zero. X Not applicable. [1] Includes other levels of government not shown separately.
[2] Excludes amounts later allocated for nonhighway purposes. [3] Par value. Excludes issue and redemption of short-term notes or refunding bonds. Premiums and discounts on sale of bonds and accrued interest are included with investment income and other receipts. Redemption premiums and discounts are included with interest on debt. [4] Plus sign (+) indicates net receipt of funds from other levels of government; minus sign (–) indicates net disbursement of funds to other levels.

NO. 986. DISBURSEMENTS OF STATE HIGHWAY FUNDS BY STATE: 1980 TO 1985

[**In millions of dollars.** Comprises disbursements from current revenues or loans for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous. Includes transactions by State toll authorities. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1970*, series Q 90–94]

STATE	1980	1984	1985	STATE	1980	1984	1985	STATE	1980	1984	1985
U.S	30,049	35,623	40,891	KS	440	473	506	ND	143	205	199
				KY	913	807	901	OH	1,032	1,528	1,622
AL	517	651	875	LA	662	860	879	OK	461	585	668
AK	274	347	383	ME	164	207	238	OR	482	469	492
AZ	365	657	778	MD	663	879	988	PA	1,557	1,989	2,340
AR	425	311	488	MA	704	719	786	RI	72	131	139
CA	1,930	2,535	3,006	MI	997	1,299	1,275	SC	309	404	420
CO	411	527	563	MN	611	857	980	SD	151	201	211
CT	393	529	565	MS	468	463	545	TN	609	710	800
DE	152	209	234	MO	555	695	854	TX	1,882	1,731	1,825
DC	57	99	142	MT	224	266	266	UT	241	327	394
FL	1,261	1,242	1,647	NE	274	361	358	VT	87	130	135
GA	762	812	1,115	NV	169	198	241	VA	894	952	1,165
HI	134	153	137	NH	152	181	219	WA	787	932	1,040
ID	159	201	229	NJ	662	903	1,229	WV	672	516	582
IL	1,652	1,965	2,087	NM	197	386	384	WI	466	655	669
IN	688	755	919	NY	1,650	1,840	2,022	WY	192	277	298
IA	504	650	746	NC	807	845	986				

Source of tables 984–986: U.S. Federal Highway Administration, *Highway Statistics*, annual, and releases.

Digitized by Google

No. 987. Federal Grants to State and Local Governments for Highway Trust Fund and Urban Mass Transportation Administration (UMTA), by State: 1986

[Year ending Sept. 30]

STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA		STATE	HIGHWAY TRUST FUND		UMTA	
	Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)		Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)		Total (mil. dol.)	Per capita (dol.)	Total (mil. dol.)	Per capita (dol.)
U.S	**13,134**	**54.62**	**3,117**	**12.96**	KY	231	61.72	16	4.23	ND	80	117.59	1	1.62
AL	288	71.12	16	3.99	LA	298	66.27	32	7.01	OH	496	48.31	78	7.26
AK	128	240.40	4	7.89	ME	65	55.58	4	3.32	OK	176	53.12	11	3.45
AZ	248	74.26	11	3.20	MD	285	63.84	100	22.47	OR	179	66.26	53	19.68
AR	157	66.23	5	1.93	MA	165	28.28	257	44.07	PA	802	67.48	195	16.43
CA	855	31.70	439	16.27	MI	397	43.42	79	8.06	RI	80	82.50	14	14.48
CO	231	70.65	40	12.32	MN	297	70.50	22	5.25	SC	141	41.73	11	3.16
CT	190	59.44	48	15.06	MS	180	66.64	8	2.18	SD	80	113.66	2	2.25
DE	49	77.32	4	6.22	MO	340	67.08	40	7.99	TN	300	62.52	23	4.81
DC	48	76.20	118	188.48	MT	132	180.74	3	3.64	TX	931	55.64	140	6.40
FL	449	38.49	85	7.28	NE	132	82.90	14	8.64	UT	189	113.25	15	6.78
GA	397	64.98	23	3.76	NV	117	121.13	4	4.38	VT	80	111.24	1	2.37
HI	53	49.44	10	9.06	NH	59	57.58	2	2.31	VA	358	61.93	23	3.97
ID	96	95.53	2	2.15	NJ	295	38.66	199	26.11	WA	351	78.78	57	12.82
IL	579	50.15	277	23.94	NM	116	78.20	4	3.00	WV	234	121.66	9	4.63
IN	186	33.85	45	8.11	NY	673	37.87	492	27.68	WI	208	43.44	50	10.49
IA	176	61.57	12	4.35	NC	264	41.70	15	2.29	WY	96	188.70	1	1.44
KS	197	80.11	5	2.09										

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year 1986*, March 1987.

No. 988. State Gasoline Tax Rates, 1985 and 1986, and Motor Fuel Tax Receipts, 1985

[See also *Historical Statistics, Colonial Times to 1970*, series Q 233-234]

STATE	RATE [1] (cents per gal.)		Receipts, [2] 1985 (mil. dol.)	STATE	RATE [1] (cents per gal.)		Receipts, [2] 1985 (mil. dol.)	STATE	RATE [1] (cents per gal.)		Receipts, [2] 1985 (mil. dol.)
	1985	1986			1985	1986			1985	1986	
Total	**20.08**	(NA)	(x)	IA	15	16	195	NC	12	15.5	409
Federal	9.0	9.0	(x)	KS	11	11	150	ND	13	13	52
State	**[3] 11.08**	(NA)	**13,763**	KY [5]	10	15	192	OH	12	12	553
AL	[4] 13	[4] 13	248	LA	16	16	351	OK [6]	10	10	195
AK	8	8	24	ME	14	14	86	OR	10	11	126
AZ	13	16	232	MD	13.5	13.5	299	PA	12	12	893
AR	13.5	13.5	170	MA	11	11	286	RI	13	15	48
CA	9	9	1,175	MI	15	15	631	SC	13	13	248
CO	12	18	185	MN	17	17	342	SD	13	13	52
CT	16	17	213	MS	9	9	130	TN [7]	13	17	295
DE	11	[4] 13	40	MO	7	7	206	TX	10	10	994
DC	15.5	15.5	25	MT	15	17	79	UT	14	14	113
FL	9.7	9.7	552	NE	17.4	17.1	129	VT	13	13	38
GA	7.5	7.5	278	NV	13	13	73	VA [5]	11	15	401
HI	11	11	33	NH	14	14	66	WA	18	18	408
ID	14.5	14.5	77	NJ	8	8	313	WV	10.5	10.5	101
IL	13	13	643	NM	11	11	99	WI	16.5	17.5	374
IN	14	14	418	NY	8	8	492	WY	8	8	34

NA Not available. X Not applicable. [1] In effect Dec. 31. [2] Represents net receipts. [3] Represents weighted average based on net gallons taxed. [4] Includes 2 cents per gallon inspection fee. [5] Trucks or combinations with more than 2 axles pay tax of 2 cents per gallon more. [6] .06 cents per gallon is for inspection fee. [7] Includes 1 cent per gallon inspection fee.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

No. 989. Public Highway Debt—State and Local Governments: 1970 to 1987

[**In millions of dollars.** Long-term obligations. State data are for calendar years; local data for varying fiscal years. Excludes duplicated and interunit obligations. Municipal debt includes other political subdivisions urban in character. See also *Historical Statistics, Colonial Times to 1970*, series Q 136-147]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986 [1]	1987 [2]
Total debt issued [3]	1,886	2,239	1,904	2,094	2,574	2,915	2,566	3,151	6,549	5,278	5,050
State	1,305	1,412	941	1,128	965	1,555	1,072	1,715	3,404	3,375	3,000
County and township	174	222	279	276	305	415	475	524	2,145	703	750
Municipal	407	605	684	690	1,304	945	1,019	912	1,000	1,200	1,300
Total debt redeemed [4]	1,252	1,492	1,751	1,706	2,464	2,046	2,172	2,411	2,723	2,852	2,821
State	782	908	960	1,022	1,579	1,146	1,191	1,507	1,580	1,659	1,780
County and township	152	166	177	209	201	225	303	218	432	248	266
Municipal	318	418	614	475	684	675	678	688	711	745	775
Total debt outstanding	19,107	23,801	25,463	25,851	25,961	26,830	27,224	27,964	31,790	34,416	36,645
State	13,903	17,422	18,178	18,282	17,668	18,077	17,958	18,166	19,990	21,706	22,926
County and township	1,685	1,822	2,090	2,157	2,261	2,451	2,623	2,931	4,644	5,099	5,583
Municipal	3,519	4,557	5,197	5,412	6,032	8,302	8,643	6,867	7,156	7,611	8,136

[1] Preliminary. [2] Projection. [3] Excludes refunding issues. [4] Excludes redemptions by refunding.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual.

Digitized by Google

No. 990. Motor Vehicles—Summary: 1970 to 1986

Item	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
PASSENGER CARS										
Passenger car production	1,000	6,550	6,717	6,376	6,253	5,073	6,781	7,773	8,185	7,829
Passenger car factory sales	1,000	6,547	6,713	6,400	6,255	5,049	6,739	7,621	8,002	7,516
Passenger car (new), retail sales [1]	1,000	6,405	6,640	6,979	8,536	7,982	9,182	10,390	11,042	11,453
Domestic [2]	1,000	7,116	7,050	6,581	6,209	5,759	6,795	7,952	8,205	8,215
Subcompact [3]	1,000	1,338	700	1,604	1,630	1,489	1,776	2,322	1,297	1,325
Compact [3]	1,000		2,336	1,659	1,568	1,257	1,110	1,336	2,563	2,461
Standard [3]	1,000	5,778	1,956	1,358	1,250	1,377	1,825	1,617	1,682	1,888
Intermediate [3]	1,000		2,058	1,957	1,757	1,641	2,071	2,484	2,464	2,540
Imports [4]	1,000	1,285	1,587	2,398	2,327	2,223	2,387	2,439	2,836	3,238
TRUCKS										
Truck and bus production	1,000	1,734	2,270	1,634	1,690	1,912	2,444	3,151	3,468	3,490
Truck and bus factory sales	1,000	1,692	2,272	1,667	1,701	1,906	2,414	3,075	3,357	3,393
Truck and bus retail sales [5]	1,000	1,746	2,351	2,232	1,972	2,248	2,709	3,538	3,984	4,031
Light duty (up to 14,000 GVW) [6]	1,000	(NA)	2,076	1,964	1,747	2,064	2,521	3,261	3,700	3,766
Med. duty (14,001–26,000 GVW) [6]	1,000	(NA)	169	92	74	46	48	61	53	51
Heavy duty (over 26,000 GVW) [6]	1,000	126	106	176	152	138	141	216	231	214
MOTORCYCLES										
Motorcycle registrations, new [7]	1,000	751	747	838	794	689	811	772	722	631
Motorcycle (new) retail sales [8]	1,000	1,010	940	1,070	1,065	990	1,185	1,305	1,260	1,045
All-terrain vehicles	1,000	(NA)	(NA)	(NA)	(NA)	250	425	550	550	465
All-terrain vehicle imports	1,000	(NA)	(NA)	(NA)	(NA)	275	430	635	683	498
Motorcycle imports, total [9]	1,000	1,091	948	1,120	1,057	917	540	441	733	550
Value [10]	Mil. dol	308	713	1,142	1,314	1,110	697	523	783	763
FOREIGN TRADE										
Passenger cars (new), exported [1 11]	1,000	285	640	617	548	379	554	616	704	673
Passenger cars (new), imported [1 12]	1,000	2,013	2,075	3,116	2,856	2,926	3,134	3,559	4,398	4,691
Canada	1,000	693	734	595	564	703	836	1,073	1,145	1,162
Germany, Federal Republic of	1,000	675	370	339	234	259	240	335	473	452
Japan	1,000	381	696	1,992	1,912	1,801	1,671	1,949	2,527	2,619
Trucks (new) exports	1,000	91	219	186	166	124	132	159	183	205
Trucks (new) imports [12]	1,000	166	295	747	733	697	785	1,025	1,253	1,351
Japan	1,000	27	142	483	456	356	435	567	800	976
Import value, new passenger cars [1]	Mil. dol	3,719	7,483	16,675	17,695	20,180	23,394	29,264	36,474	45,302
Trucks and buses, new [1]	Mil. dol	381	620	1,985	4,217	4,453	4,848	6,541	7,734	6,504
Export value [1 13]	Mil. dol	3,671	10,658	16,015	16,121	16,039	17,078	20,776	22,820	21,955
Passenger cars (new) [13]	Mil. dol	822	2,852	3,932	3,926	2,867	4,208	4,876	6,027	6,258
Trucks and buses (new) [13]	Mil. dol	636	2,305	2,977	3,247	2,642	2,130	2,479	2,789	2,953
Parts and accessories [14]	Mil. dol	2,413	5,501	9,106	10,946	10,530	10,740	13,421	14,004	12,744
VEHICLES IN USE AND RETIRED										
Cars in use, total	Million	80.4	95.2	104.6	105.6	106.9	109.0	112.0	114.7	117.3
Under 3 years	Million	24.4	25.8	26.8	24.2	21.5	20.7	22.0	24.6	27.9
3–5 years	Million	24.9	27.0	25.5	28.8	29.9	28.6	26.8	23.9	22.7
6–8 years	Million	18.4	22.0	25.2	23.0	22.2	23.5	26.8	27.6	26.5
9–11 years	Million	7.7	13.9	14.6	16.0	17.9	18.9	17.4	17.2	18.7
12 years and over	Million	4.9	6.6	12.5	13.9	15.4	17.0	19.0	21.0	21.5
Average age	Years	5.6	6.0	6.6	6.9	7.2	7.4	7.5	7.6	7.6
Cars retired from use [15]	1,000	7,461	5,669	8,405	7,542	6,921	6,243	6,675	7,729	6,442
Trucks in use, total	Million	17.7	24.8	35.2	36.1	37.0	38.1	40.1	42.4	44.8
Under 3 years	Million	4.7	6.9	8.6	7.3	5.6	5.9	7.2	9.0	11.1
3–5 years	Million	4.3	5.8	8.1	9.7	10.7	9.5	8.0	6.3	6.6
6–8 years	Million	3.0	4.4	7.4	7.1	7.1	7.7	9.2	10.2	8.9
9–11 years	Million	1.9	3.2	4.4	4.9	5.7	6.5	6.2	6.2	6.7
12 years and over	Million	3.9	4.4	6.5	7.2	7.9	8.5	9.6	10.7	11.5
Average age	Years	7.3	6.9	7.1	7.5	7.6	8.1	8.2	8.1	8.0
Trucks retired from use [15]	1,000	837	908	1,732	1,519	1,459	1,491	1,602	2,100	2,311
TIRES AND BATTERIES SHIPMENTS										
Tires, passenger car, total [16]	Million	168.6	167.0	145.9	165.3	167.5	182.0	201.6	200.9	202.7
Radials	Million	2.9	61.5	83.5	108.6	115.9	133.4	156.6	164.7	174.0
Replacement	Million	129.6	122.5	106.8	125.3	130.5	134.6	144.6	141.5	144.3
Tires, truck and bus, total [16]	Million	25.7	27.3	31.1	35.6	33.6	36.9	40.8	41.1	40.6
Radials	Million	(NA)	.6	3.6	9.2	10.4	13.4	16.0	19.7	21.1
Replacement	Million	16.7	19.6	24.4	28.5	28.1	30.3	31.7	32.1	32.4
Batteries, total [17]	Million	46.9	52.9	61.6	65.5	64.6	69.0	74.7	74.0	75.2
Replacement automobile batteries	Million	37.9	39.3	50.1	53.6	54.2	56.1	59.3	58.7	60.3

NA Not available. [1] Based on data from U.S. Dept. of Commerce. [2] Includes domestic models produced in Canada and Mexico. [3] Source: Board of Governors of the Federal Reserve System, unpublished data. Represents total auto sales data from *Ward's Automotive Reports*. Criteria by which each year's car models are grouped into the major size categories vary among those collecting data. Data shown here follow *Automotive News* classifications. Beginning 1980, cars produced in U.S. by foreign manufacturers are included. [4] Excludes domestic models produced in Canada. [5] Excludes motorcoaches and imports from foreign manufacturers. Beginning 1975, includes imports sold by franchised dealers of U.S. manufacturers. [6] Gross vehicle weight (fully loaded vehicle). [7] Source: R. L. Polk & Company, Detroit, MI, *New Motorcycle Registrations by States*. Excludes Oklahoma, 1984, excludes New York. Reproduction prohibited without Polk permission. [8] Estimates by Motorcycle Industry Council Inc., Costa Mesa, CA. Includes all-terrain vehicles and scooters. Excludes mopeds/motorized bicycles. [9] Source: Motorcycle Industry Council, Inc., Costa Mesa, CA. Data from U.S. Dept. of Commerce. Excludes mopeds/motorized bicycles and all-terrain vehicles. [10] Dutiable value for customs purposes prior to 1980 thereafter, c.i.f. value. [11] 1970–1975, covers assembled vehicles only. Beginning 1980, includes chassis. [12] Includes other countries, not shown separately. [13] Covers assembled and unassembled vehicles. [14] Includes rubber tires and tubes and used vehicles. [15] For years ending June 30. Represents vehicles failing to re-register. [16] Includes original equipment. Also includes exports, not shown separately. Source: The Rubber Manufacturers Association, Inc., Washington, D.C., *RMA Monthly Tire Report*. [17] Source: Battery Council International, Chicago, IL.

Source: Except as noted, Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual; and *World Motor Vehicle Data*, annual.

Digitized by Google

No. 991. Motor-Vehicle Registrations, 1970 to 1986, and Drivers Licenses, 1986, by State

[**In thousands, except as indicated.** Motor vehicle registrations cover publicly, privately, and commercially owned vehicles. For uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

State	Automobiles, trucks, and buses [1]									Motorcycles [1] (incl. official) 1986, est.		Drivers licenses, 1986, est.	
							1986, est.						
								Automobiles (incl. taxis)					
	1970, total	1975, total	1980, total	1983, total	1984, total	1985, total	Total	Total	Per 1,000 population [2]	Total	Per 1,000 population [2]	Total [3]	Percent male
U.S	108,418	132,949	155,796	163,749	166,249	171,854	176,532	135,671	563	5,358	22	158,594	52.0
AL	1,966	2,493	2,938	3,145	3,202	3,338	3,461	2,417	596	58	14	2,484	52.0
AK	139	226	262	350	368	353	348	217	406	9	17	302	56.3
AZ	1,093	1,459	1,917	2,289	2,111	2,235	2,353	1,662	501	84	25	2,394	54.1
AR	1,043	1,283	1,574	1,442	1,317	1,364	1,435	939	396	30	13	1,767	51.5
CA	11,901	13,891	16,873	17,767	17,965	18,899	19,703	15,384	570	677	25	17,822	52.7
CO	1,442	1,925	2,342	2,649	2,754	2,759	2,769	2,027	820	107	33	2,307	53.5
CT	1,733	1,949	2,147	2,305	2,366	2,465	2,537	2,377	745	58	18	2,335	51.4
DE	312	351	397	427	459	465	485	383	605	11	17	454	51.1
DC	257	255	268	295	305	326	345	328	524	4	8	394	55.1
FL	4,120	5,395	7,614	8,808	9,394	9,865	10,349	8,142	697	226	19	8,088	51.6
GA	2,584	3,211	3,818	4,208	4,460	4,580	4,686	3,375	553	115	19	3,957	51.3
HI	405	462	570	610	638	651	672	589	555	18	17	604	54.8
ID	488	647	834	877	849	854	862	528	527	48	48	706	52.0
IL	5,238	6,344	7,477	7,513	7,598	7,727	7,785	6,137	531	221	19	7,026	50.2
IN	2,818	3,315	3,826	3,852	3,950	4,024	4,090	3,035	551	130	24	3,616	50.8
IA	1,790	2,099	2,329	2,479	2,443	2,696	2,764	1,998	697	274	96	1,878	49.1
KS	1,548	1,805	2,007	2,048	2,122	2,148	2,171	1,490	606	94	38	1,652	50.1
KY	1,763	2,245	2,593	2,621	2,590	2,815	2,641	1,777	477	38	10	2,273	52.3
LA	1,742	2,188	2,779	2,877	2,958	3,012	3,054	2,079	462	55	12	2,789	51.7
ME	510	648	724	766	800	840	861	641	546	44	38	817	50.6
MD	1,872	2,423	2,803	3,011	3,193	3,276	3,359	2,771	621	83	14	2,954	51.5
MA	2,575	3,107	3,749	3,840	3,788	3,738	3,737	3,264	560	124	21	3,824	51.6
MI	4,589	5,545	6,488	6,295	6,369	6,727	7,187	5,762	630	214	23	6,307	50.8
MN	2,207	2,525	3,091	3,239	2,968	3,385	3,548	2,744	651	175	42	2,502	52.0
MS	1,117	1,377	1,577	1,560	1,669	1,746	1,810	1,375	524	25	10	1,834	53.1
MO	2,408	2,866	3,271	3,433	3,521	3,558	3,593	2,648	523	78	15	3,424	51.3
MT	485	611	680	829	685	652	626	382	466	24	29	588	54.8
NE	974	1,165	1,254	1,235	1,257	1,257	1,262	842	527	40	25	1,089	51.1
NV	355	464	655	730	745	709	696	502	521	18	19	714	52.5
NH	390	485	704	803	870	974	1,019	854	832	66	64	754	51.7
NJ	3,586	4,155	4,761	4,941	4,896	4,909	4,926	4,428	581	128	17	5,904	52.7
NM	637	827	1,068	1,237	1,220	1,176	1,155	732	495	41	28	1,005	52.0
NY	6,718	7,591	8,002	8,417	8,644	9,042	9,373	8,185	461	253	14	9,967	54.2
NC	2,826	3,690	4,532	4,603	4,369	4,450	4,536	3,314	523	67	11	4,196	51.1
ND	428	551	627	666	691	655	649	376	554	29	43	448	51.8
OH	5,974	7,179	7,771	7,766	7,894	8,102	8,331	6,972	648	279	26	7,329	51.5
OK	1,713	2,113	2,583	2,769	2,781	2,864	2,915	1,915	579	105	32	2,279	50.7
OR	1,369	1,628	2,081	2,121	2,183	2,204	2,223	1,561	579	84	31	1,940	52.6
PA	5,818	7,659	6,926	6,844	7,081	7,209	7,340	5,980	503	215	18	7,631	53.1
RI	488	563	623	598	622	810	815	517	530	27	28	626	51.0
SC	1,360	1,772	1,996	2,058	2,128	2,222	2,276	1,715	508	39	12	2,166	51.5
SD	426	521	601	629	643	650	677	429	606	35	49	485	51.3
TN	2,050	2,727	3,271	3,537	3,569	3,754	3,914	3,070	639	105	22	3,071	51.1
TX	6,693	8,396	10,475	11,693	12,172	12,444	12,812	8,606	516	273	16	10,755	52.8
UT	664	845	992	1,074	1,090	1,099	1,105	733	440	52	31	989	50.7
VT	229	287	347	367	377	398	418	315	582	21	39	394	52.5
VA	2,263	3,251	3,626	3,894	4,047	4,253	4,463	3,638	663	84	15	3,861	50.8
WA	2,102	2,540	3,225	3,338	3,430	3,526	3,767	2,652	594	136	30	3,014	51.4
WV	801	966	1,320	1,175	1,107	1,143	1,239	860	448	32	17	1,308	53.8
WI	2,182	2,591	2,941	3,214	3,094	3,187	3,281	2,528	526	206	43	3,259	51.9
WY	247	337	467	502	494	500	507	286	564	19	37	312	53.5

[1] Excludes vehicles owned by military services. [2] Based on resident population as of July 1.
[3] Estimated from data reported by States for current and previous years; allowance has been made for deaths, emigration, or revocation by some States.

Source: U.S. Federal Highway Administration, *Highway Statistics*, annual; and *Selected Highway Statistics and Charts*, annual.

Digitized by Google

. MOTOR VEHICLES—REGISTRATIONS, FACTORY SALES, AND RETAIL SALES: 1950 TO 1986

(–) Indicates decrease. For definition of average annual percent change, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series Q 148–155]

	REGISTRATIONS [1] (mil.)			Motor-cycle registrations [1] (1,000)	FACTORY SALES (1,000)			PASSENGER CARS RETAIL SALES (1,000)			AVERAGE ANNUAL PERCENT CHANGE [4]	
	Total cars, trucks, buses	Passenger cars [2]	Trucks and buses		Total cars, trucks, buses	Passenger cars	Trucks and buses [3]	Total	Domestic	Imports	Registrations [5]	Retail sales
.....	49.2	40.4	8.8	454	8,003	6,666	1,337	(NA)	(NA)	(NA)	[6] 7.4	(NA)
.....	62.7	52.1	10.6	412	9,169	7,920	1,249	7,466	7,408	58	5.0	(NA)
.....	73.9	61.7	12.2	574	7,869	6,675	1,194	6,641	6,142	499	3.3	–2.3
.....	90.4	75.3	15.1	1,382	11,057	9,306	1,752	9,332	8,763	569	4.1	7.0
.....	96.9	80.4	16.5	1,953	8,976	7,437	1,539	8,337	7,568	769	3.5	–5.5
.....	100.9	83.6	17.3	2,089	10,718	8,822	1,896	9,656	8,625	1,031	4.1	15.8
.....	105.1	86.9	18.2	2,316	10,147	8,224	1,923	9,583	8,464	1,118	4.2	–.8
.....	108.4	89.2	19.2	2,824	8,239	6,547	1,692	8,405	7,119	1,285	3.2	–12.3
.....	113.0	92.7	20.3	3,344	10,638	8,585	2,053	10,250	8,681	1,568	4.2	22.0
.....	118.8	97.1	21.7	3,760	11,271	8,824	2,447	10,950	9,327	1,623	5.1	6.8
.....	125.7	102.0	23.7	4,371	12,637	9,658	2,980	11,439	9,676	1,763	5.8	4.5
.....	129.9	104.8	25.1	4,966	10,059	7,331	2,727	8,867	7,454	1,413	3.4	–22.5
.....	132.9	106.7	26.2	4,964	8,985	6,713	2,272	8,640	7,053	1,587	2.3	–2.6
.....	138.5	110.2	28.4	4,933	11,480	8,500	2,979	10,110	8,611	1,498	4.2	17.0
.....	142.1	112.3	29.8	4,881	12,642	9,201	3,441	11,185	9,109	2,076	2.6	10.6
.....	148.4	116.6	31.8	4,858	12,871	9,165	3,706	11,312	9,312	2,000	4.4	1.1
.....	151.9	118.5	33.4	5,422	11,456	8,419	3,037	10,871	8,341	2,329	2.4	–5.7
.....	155.8	121.6	34.2	5,694	8,067	6,400	1,667	8,979	6,581	2,398	2.6	–15.9
.....	158.3	123.1	35.2	5,831	7,956	6,255	1,701	8,536	6,209	2,327	1.6	–4.9
.....	159.6	123.7	35.9	5,754	6,955	5,049	1,906	7,982	5,759	2,223	.8	–6.5
.....	163.9	126.2	37.7	5,585	9,153	6,739	2,414	9,182	6,795	2,387	2.7	15.0
.....	166.2	128.1	38.1	5,480	10,696	7,621	3,075	10,391	7,952	2,439	1.6	13.2
.....	171.7	131.9	39.8	5,444	11,359	8,002	3,357	11,042	8,204	2,838	3.3	6.3
.....	[7] 176.5	[7] 135.7	[7] 40.9	[7] 5,358	10,909	7,516	3,393	11,453	8,215	3,236	2.9	3.7

vailable. [1] Excludes Alaska and Hawaii prior to 1960. Includes publicly owned vehicles. Excludes military services' [2] Includes taxis. [3] Includes standard equipment. [4] From prior year shown. [5] Excludes motorcycles. from 1945. [7] Estimate.

egistrations—U.S. Federal Highway Administration, *Highway Statistics*, annual; sales—Motor Vehicle Manufacturers of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts and Figures*, annual.

03. MOTOR VEHICLE OUTPUT AND TRADE IN NATIONAL INCOME ACCOUNTS: 1970 TO 1986

s of dollars, except percent. Vehicle output equals final dollar sales value of new vehicles, plus net dollar value of used vehicle sales, adjusted for changes in inventories and net balance of vehicle exports and imports]

	CURRENT DOLLARS							CONSTANT (1982) DOLLARS						
		Vehicle output				Vehicle			Vehicle output				Vehicle	
	GNP [1]	Total	Percent of GNP	Auto	Truck	Export value	Import value	GNP [1]	Total	Percent of GNP	Auto	Truck	Export value	Import value
.....	1,016	36.8	3.6	28.5	8.3	1.4	4.4	2,416	73.2	3.0	53.1	20.1	3.0	11.8
.....	1,103	49.3	4.5	38.9	10.4	1.8	5.9	2,485	93.6	3.8	69.8	23.8	3.5	14.8
.....	1,213	55.0	4.5	41.4	13.6	2.0	6.8	2,609	104.2	4.0	73.9	30.3	4.0	16.0
.....	1,359	63.1	4.6	46.0	17.1	2.7	7.8	2,744	119.4	4.4	82.0	37.4	5.3	17.2
.....	1,473	57.7	3.9	38.8	18.9	3.7	6.8	2,729	103.7	3.8	65.4	38.3	6.7	17.5
.....	1,598	56.7	3.5	40.3	16.4	5.1	8.4	2,695	90.9	3.4	61.8	29.1	8.5	14.9
.....	1,783	78.3	4.4	55.2	23.1	5.4	11.0	2,827	118.0	4.2	80.1	37.9	8.3	18.2
.....	1,991	95.1	4.8	64.3	30.8	5.6	13.3	2,959	135.7	4.6	88.7	47.0	8.1	20.3
.....	2,250	105.1	4.7	68.3	36.8	6.5	17.4	3,115	138.6	4.4	87.3	51.3	8.7	23.7
.....	2,508	104.0	4.1	66.9	37.1	8.0	18.6	3,192	128.1	4.0	80.2	47.9	10.0	22.8
.....	2,732	84.4	3.1	60.1	24.3	7.1	20.9	3,187	95.2	3.0	67.1	28.1	8.1	23.5
.....	3,053	96.6	3.2	69.4	27.2	7.2	22.6	3,249	102.1	3.1	73.3	28.8	7.6	23.4
.....	3,166	94.3	3.0	66.5	27.8	5.4	25.5	3,166	94.3	3.0	66.5	27.8	5.4	25.5
.....	3,406	123.8	3.6	88.6	35.0	6.2	29.5	3,279	119.8	3.7	85.9	33.9	6.0	28.6
.....	3,772	156.3	4.1	105.1	51.2	7.3	38.9	3,501	146.2	4.2	98.5	47.7	6.9	36.7
.....	4,010	171.5	4.3	115.3	56.2	8.8	45.5	3,608	156.4	4.3	105.6	50.8	7.9	41.4
.....	4,235	177.8	4.2	119.4	58.4	9.3	55.5	3,713	156.9	4.2	106.4	50.5	8.0	46.0

vition of gross national product (GNP), see text, section 14.

I.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *urrent Business*, July issues.

Digitized by Google

No. 994. New Trucks—Retail Sales, by Weight Class and Type: 1980 to 1986

Weight class and type	Number (1,000)						Percent change			
	1980	1982	1983	1984	1985	1986	1982–1983	1983–1984	1984–1985	1985–1986
6 to 6,000 pounds, total	**985**	**1,102**	**1,314**	**2,031**	**2,408**	**2,541**	**19.3**	**54.6**	**18.6**	**5.5**
Utility	51	51	254	370	429	382	400.3	45.7	15.9	−10.8
Pickup, cartype	50	25	26	26	24	24	3.4	−1.8	−5.0	−1.5
Pickup, compact	254	454	488	813	696	757	7.4	25.6	13.4	8.9
Domestic	26	359	433	560	625	679	20.6	29.4	11.6	8.5
Import	229	95	55	53	70	79	−42.1	−4.1	32.9	11.9
Van	79	75	67	121	115	112	−9.7	80.4	−5.3	−2.2
Mini van	(x)	(x)	(z)	24	103	110	(x)	1,317.2	335.1	6.6
Station wagon (truck chassis)	(x)	(x)	8	62	86	98	(x)	634.1	38.9	14.1
Mini passenger carrier	(x)	(x)	8	169	301	460	(x)	1,964.8	78.3	52.8
6,001 to 10,000 pounds	**975**	**961**	**1,207**	**1,224**	**1,290**	**1,214**	**25.5**	**1.5**	**4.8**	**−5.2**
Utility	108	76	84	103	108	101	10.5	22.2	4.4	−6.4
Van	172	207	311	265	261	261	50.0	−14.8	−1.5	.1
Pickup, conventional	546	485	574	573	628	582	18.4	−.2	9.7	−7.3
Station wagon (truck chassis)	39	55	89	86	95	98	26.3	25.0	9.9	4.1
10,001 pounds and over	**2,232**	**2,248**	**2,709**	**3,538**	**3,984**	**4,031**	**20.5**	**30.6**	**12.8**	**1.2**

X Not applicable. Z Less than 500.

Source: Motor Vehicle Manufacturers Association, *Motor Vehicle Facts and Figures*, annual.

No. 995. Recreational Vehicles—Number and Retail Value of Shipments: 1970 to 1986

Year	Number (1,000)					Retail value (mil. dol.)				
	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers	Total	Motorized homes	Travel trailers	Folding camping trailers	Truck campers
1970	380.3	30.3	138.0	116.1	95.9	1,122	318	445	175	183
1973	528.8	129.0	212.3	97.7	89.8	2,322	1,153	843	160	167
1974	295.8	68.9	126.3	55.2	45.4	1,392	624	567	109	92
1975	339.6	96.8	150.6	48.1	44.3	2,320	1,251	856	101	112
1976	541.1	256.1	189.7	53.3	42.0	4,284	2,923	1,132	117	112
1977	533.9	280.2	167.9	53.9	31.9	5,327	3,876	1,229	123	99
1978	526.3	293.8	159.8	48.2	24.7	5,883	4,329	1,153	116	85
1979	307.7	172.8	90.2	31.1	13.8	3,538	2,682	725	83	48
1980	181.4	99.9	52.0	24.5	5.0	1,952	1,381	485	69	17
1981	239.1	135.2	63.8	35.0	5.1	2,775	2,019	631	105	20
1982	258.0	152.5	65.5	34.3	5.7	3,505	2,701	666	110	28
1983	358.0	223.7	90.0	37.5	6.8	6,324	5,099	1,067	122	36
1984	396.2	257.3	92.4	40.9	7.6	7,733	6,282	1,157	266	46
1985	359.2	233.5	82.9	35.9	8.9	7,029	5,724	1,122	137	46
1986	379.5	249.6	86.0	36.5	7.4	7,564	6,155	1,213	144	53

Source: Recreation Vehicle Industry Association, Reston, VA, *RVs . . . The Family Camping Vehicle, A Year-End Report/1986*. Data also in Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

No. 996. Motor Vehicle Safety Defect Recalls, by Domestic and Foreign Manufacturers: 1975 to 1986

[Covers manufacturers reporting to U.S. National Highway Traffic Administration under section 151 of National Traffic and Motor Vehicle Safety Act of 1966, as amended]

Manufacturer	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Motor vehicles:												
Total recall campaigns [1]	**Number**	**217**	**246**	**271**	**275**	**167**	**156**	**135**	**140**	**164**	**173**	**174**
Domestic	Number	190	195	199	218	129	126	107	110	127	137	139
Foreign	Number	27	51	72	57	38	28	28	30	37	36	35
Total vehicles recalled	**1,000**	**2,109**	**12,923**	**9,063**	**8,919**	**4,863**	**9,405**	**1,914**	**6,114**	**7,220**	**5,829**	**2,860**
Domestic	1,000	1,829	10,993	7,921	6,997	3,939	7,379	1,401	3,090	6,283	4,995	1,731
Vehicles recalled by 4 leading auto manufacturers	1,000	1,602	10,331	7,670	6,989	3,730	7,247	1,324	3,021	6,148	4,811	1,382
Foreign	1,000	280	2,230	1,141	1,922	924	2,026	513	3,024	937	834	1,149
Motor vehicle tires:												
Recall campaigns [1]	Number	22	35	31	42	24	25	17	21	16	19	14
Tires recalled	1,000	72	471	14,686	235	7,070	125	131	95	81	28	164

[1] A recall campaign is the notification to the Secretary of the U.S. Dept. of Transportation and to owners, purchasers, and dealers, of a motor vehicle safety defect.

Source: U.S. National Highway Traffic Safety Administration, *Motor Vehicles Defect Recall Campaigns*, annual.

Digitized by Google

No. 997. Motor Vehicle Accidents—Number and Deaths: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series Q 208 and Q 224-232]

Item	Unit	1970	1972 [1]	1975	1980	1981	1982	1983	1984	1985	1986
Motor vehicle accidents [2]	Million	16.0	17.0	16.5	17.9	18.0	18.1	18.3	18.8	(NA)	(NA)
Cars	Million	23.5	24.5	22.5	22.8	22.9	23.2	23.5	25.2	25.6	(NA)
Trucks	Million	3.2	3.5	3.8	5.5	5.6	5.8	5.8	6.3	6.1	(NA)
Motorcycles	1,000	300	340	372	560	540	550	530	570	480	(NA)
Motor vehicle deaths within 1 yr [3]	1,000	54.6	56.3	45.9	53.2	51.4	45.8	44.4	46.2	45.6	47.6
Noncollision accidents	1,000	15.4	15.8	12.7	14.7	14.2	12.6	12.2	12.6	12.9	13.6
Collision accidents:											
With other motor vehicles	1,000	23.2	23.9	19.5	23.0	22.2	19.8	19.2	20.3	19.9	20.9
With pedestrians	1,000	9.9	10.3	8.4	9.7	9.4	8.4	8.2	8.6	8.4	8.2
With fixed objects	1,000	3.8	3.9	3.1	3.7	3.6	3.2	3.1	3.0	2.7	3.2
Deaths within 30 days [4]	1,000	52.6	54.6	44.5	51.1	49.3	43.9	42.6	44.3	43.8	46.1
Vehicle occupants	1,000	40.6	41.4	32.8	36.8	35.5	31.2	30.6	31.9	31.5	33.7
Pedestrians	1,000	9.0	9.2	7.5	8.1	7.8	7.3	6.8	7.0	6.8	6.8
Motorcyclists [5]	1,000	2.3	3.0	3.2	5.1	4.9	4.5	4.3	4.8	4.6	4.6
Bicyclists	1,000	.8	1.0	1.0	1.0	.9	.9	.8	.8	.9	.9
Traffic death rates: [4] [6]											
Per 100,000 resident population	Rate	25.8	26.2	20.7	22.6	21.5	19.0	18.2	18.7	18.4	19.1
Per 100,000 registered vehicles	Rate	47.3	44.5	32.3	31.6	30.0	26.6	25.1	25.7	24.8	25.3
Per 100 million vehicle miles	Rate	4.7	4.3	3.4	3.3	3.2	2.8	2.6	2.6	2.5	2.5
Per 100,000 licensed drivers	Rate	47.2	46.1	34.3	35.2	34.1	29.2	27.6	28.5	27.9	29.0
Motor vehicle accidents [7]	Million	22.1	24.9	24.9	24.1	26.3	28.5	29.4	30.9	32.5	33.3
Injuries [7]	1,000	4,983	5,190	4,978	5,230	5,019	4,490	4,665	4,850	5,044	5,900
Economic loss [7] [8]	Bil. dol.	23.5	28.7	36.1	57.1	56.7	60.2	62.7	69.0	76.0	80.0

NA Not available. [1] Represents peak year for deaths from motor vehicle accidents. [2] Covers only accidents occurring on the road. [3] Deaths that occur within one year of accident. Includes collision categories not shown separately. [4] Within 30 days of accident. Source: U.S. National Highway Traffic Safety Administration, unpublished data from Fatal Accident Reporting System. [5] Includes motor scooters and motorized bicycles (mopeds). [6] Based on 30-day definition of traffic deaths. [7] Source: Insurance Information Institute, New York, NY, *Insurance Facts*. Estimates based on official reports from a representative cross-section of States. Includes all motor vehicle accidents on and off the road and all injuries regardless of length of disability. 1986 data for economic loss based on information from the National Center for Health Statistics, National Health Survey. [8] Wage loss, legal, medical, hospital, and funeral expenses, insurance administrative costs, and property damage.

Source: Except as noted, National Safety Council, Chicago, IL, *Accident Facts*, annual. (Copyright.)

No. 998. Deaths From Motor Vehicle Accidents, by State: 1970 to 1985

[Data differ from table 997 because data are based on date of death, not date of accident. Data reflect State where death occurred. Includes deaths of nonresidents of U.S. Beginning 1960, deaths classified according to the ninth revision of the *International Classification of Diseases*, for earlier years classified according to the revision in use at the time; see text, section 2. Data based on Vital Registration System, see Appendix III. For composition of regions, see fig. I, inside front cover]

Region, division, and State	1970	1972 [1]	1975	1980	1984	1985
U.S	54,845	56,528	46,032	53,476	46,517	46,159
Region:						
Northeast	8,850	8,992	7,431	8,255	6,812	6,797
Midwest	14,629	14,670	11,293	12,244	9,779	9,760
South	20,792	21,964	18,029	21,014	19,508	19,250
West	10,574	10,902	9,279	11,963	10,418	10,352
N.E	2,095	2,180	1,953	2,248	1,885	1,873
ME	288	252	235	264	243	224
NH	182	172	155	192	199	198
VT	116	126	124	131	113	117
MA	918	1,042	895	933	767	761
RI	143	144	140	142	107	124
CT	448	444	404	584	456	449
M.A	6,755	6,812	5,478	6,009	4,927	4,924
NY	3,117	3,140	2,277	2,717	2,157	2,121
NJ	1,289	1,352	1,099	1,130	960	986
PA	2,349	2,320	2,102	2,162	1,810	1,817
E.N.C	9,623	9,514	7,361	8,000	6,564	6,602
OH	2,488	2,336	1,652	1,976	1,579	1,581
IN	1,587	1,578	1,139	1,213	973	1,045
IL	2,267	2,216	1,816	1,985	1,583	1,594
MI	2,172	2,236	1,811	1,817	1,563	1,605
WI	1,109	1,148	943	1,009	866	777
W.N.C	5,006	5,156	3,932	4,244	3,215	3,158
MN	1,028	1,052	798	900	639	657
IA	946	904	714	662	440	478
MO	1,479	1,500	1,105	1,239	1,029	1,005
ND	194	206	183	184	127	117
SD	240	312	216	238	155	142
NE	435	504	385	408	282	259
KS	684	678	531	615	543	500
S.A	9,796	10,600	8,358	9,767	9,233	9,389
DE	158	130	129	164	134	119
MD	809	852	686	822	659	768
DC	140	100	91	79	101	96
VA	1,251	1,256	1,069	1,111	1,048	1,021
WV	561	578	499	583	463	461
NC	1,801	2,026	1,560	1,588	1,514	1,553
SC	1,070	1,148	837	895	946	943
GA	1,825	1,940	1,420	1,556	1,454	1,462
FL	2,181	2,570	2,067	2,967	2,914	2,958
E.S.C	4,850	4,972	3,881	3,995	3,780	3,664
KY	1,081	1,114	885	865	778	749
TN	1,525	1,526	1,280	1,280	1,039	1,219
AL	1,297	1,356	1,087	1,054	1,056	1,005
MS	947	976	629	796	707	691
W.S.C	6,146	6,392	5,790	7,252	6,495	6,197
AR	595	750	577	607	560	580
LA	1,194	1,136	993	1,261	1,005	1,011
OK	787	792	748	1,006	867	781
TX	3,570	3,714	3,472	4,378	4,063	3,825
Mt	3,549	3,764	3,206	4,071	3,405	3,409
MT	340	408	294	339	254	233
ID	320	324	291	345	242	268
WY	210	196	210	246	161	145
CO	697	746	621	783	650	626
NM	568	588	556	817	545	561
AZ	782	858	713	989	922	942
UT	354	354	285	370	339	335
NV	278	290	236	388	292	297
Pac	7,025	7,138	6,073	7,892	7,013	6,943
WA	902	836	804	1,048	810	786
OR	739	774	582	698	619	605
CA	5,114	5,300	4,414	5,860	5,322	5,294
AK	107	64	120	91	119	124
HI	163	164	153	195	143	134

[1] Represents peak year for deaths from motor vehicle accidents.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual; and unpublished data.

Digitized by Google

NO. 999. FATAL MOTOR-VEHICLE ACCIDENTS—NUMBER OF ACCIDENTS AND FATALITIES, BY TYPE OF VEHICLE: 1980 TO 1985

[Based on data from the Fatal Accident Reporting System]

TYPE OF VEHICLE	ACCIDENTS [1]						OCCUPANT FATALITIES					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Total [1]	**45,284**	**44,000**	**39,092**	**37,976**	**39,631**	**39,195**	**41,927**	**40,424**	**35,646**	**34,843**	**36,284**	**36,043**
Passenger cars [3]	31,550	30,828	27,548	26,698	27,745	27,142	27,449	26,645	23,330	22,979	23,621	23,214
Mini-compact	3,263	3,635	3,559	3,753	4,001	3,973	2,966	3,279	3,194	3,278	3,470	3,429
Subcompact	4,875	5,266	4,649	4,864	5,275	5,445	4,158	4,432	3,881	4,000	4,346	4,422
Compact	1,118	1,363	1,565	1,936	2,670	3,445	927	1,052	1,210	1,499	2,081	2,635
Intermediate	5,224	5,698	5,305	5,352	5,976	6,064	3,878	4,107	3,919	3,985	4,267	4,397
Full size	7,026	6,653	5,691	5,361	5,199	4,906	4,831	4,245	3,651	3,480	3,269	2,974
Largest size	10,817	9,934	8,343	7,524	7,334	6,452	6,746	5,955	4,779	4,470	4,160	3,612
Unknown	5,134	4,596	3,883	3,264	2,905	2,699	3,943	3,575	2,696	2,258	2,008	1,751
Motorcycles	4,879	4,671	4,201	4,045	4,378	4,342	4,961	4,746	4,270	4,104	4,431	4,417
Moped, mini bike	180	157	177	158	172	151	183	160	183	161	177	147
Light trucks [2]	10,841	10,301	9,597	9,347	10,255	10,470	6,566	6,137	5,590	5,395	5,773	5,834
Pickup	6,796	6,356	7,842	7,698	8,285	8,375	5,463	5,097	4,677	4,579	4,873	4,886
Van	2,009	1,961	1,722	1,615	1,737	1,807	1,000	958	814	712	764	791
Medium trucks	1,076	871	666	672	680	654	285	235	154	172	153	157
Heavy trucks [3]	4,036	4,121	3,754	3,968	4,185	4,217	978	897	789	807	920	814
Single-unit [4]	377	333	283	323	271	370	89	57	52	60	83	48
Two-unit [5]	3,396	3,555	3,072	3,144	3,359	3,411	612	782	663	648	758	682
Multi-unit	148	150	129	168	188	182	41	34	25	36	37	31
Buses	329	340	288	305	302	304	46	56	35	53	45	55

[1] Each accident involving multiple types of vehicles is recorded in each category; therefore, the aggregate of all types will exceed the total number of accidents. [2] Includes other types and unknown, not shown separately. [3] Mini-compact wheel base less than 95 in.; subcompact, 95 in. to 99 in.; compact, 100 in. to 104 in.; intermediate, 105 in. to 109 in.; full size, 110–114 in.; and largest size greater than 115 in. [4] Gross vehicle weight greater than 26,000 lbs. [5] Tractor-trailer combination.

Source: U.S. National Highway Traffic Safety Administration, *Fatal Accident Reporting System*, annual.

NO. 1000. HIGHWAY MILEAGE, VEHICLE MILES OF TRAVEL, ACCIDENTS, AND FATALITIES, 1975 TO 1985, AND BY TYPE OF HIGHWAY SYSTEM, 1985

YEAR AND TYPE OF SYSTEM	Highway mileage (1,000)	Vehicle miles of travel (bil.)	Daily vehicle miles per mile	FATAL ACCIDENTS		NONFATAL INJURY ACCIDENTS		FATALITIES [2]	
				Number	Rate [1]	Number (1,000)	Rate [1]	Number	Rate [1]
1975, total	3,836	1,328	948	39,993	3.01	1,861	140	45,500	3.43
1980, total	3,857	1,527	1,082	45,284	2.96	2,008	131	51,091	3.35
1982, total	3,866	1,595	1,130	39,092	2.45	1,966	123	43,945	2.76
1983, total	3,860	1,653	1,167	37,976	2.30	2,005	121	42,589	2.58
1984, total	3,892	1,720	1,208	39,631	2.30	2,137	124	44,257	2.57
1985, total	**3,862**	**1,774**	**1,259**	**39,168**	**2.21**	**2,219**	**125**	**43,795**	**2.47**
Urban	691	1,044	4,141	17,845	1.71	1,545	148	19,257	1.84
Rural	3,171	730	631	21,323	2.92	674	92	24,538	3.36
Interstate	44	371	23,291	3,690	1.00	142	38	4,184	1.13
Urban	11	216	54,744	1,857	.86	104	48	2,031	.94
Rural	33	154	12,891	1,833	1.19	38	25	2,153	1.40
Noninterstate	3,818	1,404	1,008	35,478	2.53	2,076	148	39,611	2.82
Urban	680	828	3,335	15,988	1.93	1,441	174	17,226	2.08
Rural	3,138	576	503	19,490	3.38	635	110	22,385	3.89
Federal-aid highway system, total	843	1,428	4,639	29,952	2.10	1,481	104	33,760	2.36
Urban	188	839	12,258	14,134	1.68	1,081	129	15,275	1.82
Rural	656	588	2,459	15,818	2.69	399	68	18,485	3.14
Interstate	44	371	23,291	3,690	1.00	142	38	4,184	1.13
Other primary arterial	257	519	5,520	12,296	2.37	510	98	14,203	2.74
Urban	33	240	20,109	3,975	1.65	312	130	4,347	1.81
Rural	225	278	3,394	8,321	2.99	197	71	9,856	3.54
Urban (arterial and collector)	144	383	7,279	8,302	2.17	665	174	8,897	2.32
Secondary (collector)	398	156	1,073	5,664	3.63	163	105	6,476	4.15
Non-Federal-aid highway system, total	3,019	347	315	9,216	2.66	738	213	10,035	2.89
Urban	503	205	1,116	3,711	1.81	463	226	3,982	1.94
Rural	2,515	142	155	5,505	3.88	275	194	6,053	4.27
Collector	351	71	553	1,936	2.73	96	136	2,116	2.99
Urban	20	20	2,811	354	1.74	19	93	361	1.86
Rural	331	51	418	1,582	3.13	77	153	1,737	3.43
Local	2,657	247	255	6,696	2.71	622	252	7,267	2.95
Urban	476	180	924	2,860	1.78	427	266	3,072	1.92
Rural	2,182	67	109	3,836	4.42	195	225	4,215	4.85

[1] Rate per 100 million vehicle miles of travel. [2] Represents fatalities occurring within 30 days of accident. Excludes nontraffic accidents which, for example, occur outside the rights-of-way or other boundaries of roads that are open for public use.

Source: U.S. Federal Highway Administration, *Fatal and Injury Accident Rates on Public Roads in the United States*, annual.

Digitized by Google

)1. Licensed Drivers, Fatal Motor-Vehicle Accidents, and Alcohol Involvement, by Age of Driver: 1986

ITEM	Unit	Total	AGE OF DRIVER							
			16–17 years	18–21 years	22–24 years	25–34 years	35–44 years	45–54 years	55–64 years	65 years and over
ers (estimated) [1]	1,000	158,594	4,059	13,020	11,881	39,936	30,640	20,794	19,320	18,844
ribution	Percent	100.0	2.6	8.2	7.5	25.2	19.3	13.1	12.2	11.9
ers involved in fatal										
	Number	[2] 60,297	3,276	9,248	6,757	16,163	9,235	5,070	4,017	4,881
ribution	Percent	[2] 100.0	5.4	15.3	11.2	26.6	15.3	6.4	6.7	6.1
s fatal accidents	Number	[2] 20,659	851	3,954	3,195	6,692	2,827	1,201	744	510
ribution	Percent	[2] 100.0	4.1	19.1	15.5	32.4	13.7	5.8	3.6	2.5

.S. Federal Highway Administration, *Selected Highway Statistics and Charts*, annual. [2] Includes ages unknown 16 years old.

cept as noted, U.S. National Highway Traffic Safety Administration, unpublished data from the *Fatal Accident tem*.

). 1002. Motor Vehicle Travel, by Type of Vehicle, and Speed: 1970 to 1985

ions of vehicle-miles, except as indicated. Travel estimates based on automatic traffic recorder data. Speed trend '0–1975 were collected by several State highway agencies, normally during summer months; beginning Oct. 1975 all monitored speeds at locations on several highway systems as part of 55 mile per hour Speed Limit Monitoring e also *Historical Statistics, Colonial Times to 1970*, series Q 199–207]

	VEHICLE-MILES OF TRAVEL (bil.)				AVG. MILES PER VEHICLE (1,000)			MOTOR VEHICLE SPEED [3]				
	Total	Cars [1]	Buses	Trucks	Passenger vehicles		Trucks	Vehicles recorded (1,000) [4]	Avg. speed (miles per hour)	Percent of vehicles exceeding—		
					Cars [1]	Buses				55 m.p.h.	60 m.p.h.	65 m.p.h.
	1,110	920	4.5	186	10.0	12.0	9.9	200	63.8	67	69	44
	1,313	1,051	5.8	256	9.6	13.6	11.0	181	65.0	69	72	50
	1,281	1,013	5.7	262	9.2	12.7	10.6	203	57.6	65	29	9
	1,328	1,040	6.1	282	9.3	13.1	10.9	102	57.6	66	27	7
	1,402	1,084	6.3	312	9.4	13.1	11.2	515	58.2	69	32	10
	1,467	1,116	5.6	346	9.5	11.9	11.8	500	58.8	74	35	10
	1,545	1,154	5.9	385	9.5	11.6	12.3	468	58.6	74	36	10
	1,529	1,122	5.9	401	9.1	11.3	12.2	508	58.3	72	32	9
	1,527	1,122	6.1	399	9.1	11.5	11.9	667	57.5	66	25	7
	1,553	1,142	6.2	405	6.9	11.5	11.7	3,048	57.9	68	30	9
	1,595	1,176	5.8	413	9.1	10.4	11.7	4,895	59.0	73	40	14
	1,653	1,207	5.2	441	9.1	6.9	12.0	7,856	59.1	74	41	15
	1,720	1,234	4.6	482	9.2	6.0	12.8	6,067	59.3	75	43	16
	1,774	1,270	4.9	500	9.2	8.2	12.7	6,449	59.5	75	44	17

otorcycles. [2] Represents speed on rural interstate highways. For 1970–1979, based on free flow speed of ed on level, straight sections of rural interstate highways during off-peak hours; beginning 1980, based on all al interstate highways. Beginning 1976, for year ending Sept. 30. [4] Citations issued for 55 mph violations.

1003. Domestic Motor Fuel Consumption, by Type of Vehicle: 1970 to 1985

uels (gas, diesel, or other fuels) used for propulsion of vehicles under State motor fuels laws. Excludes Federal military use. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series Q

FUEL CONSUMPTION				AVERAGE FUEL CONSUMPTION PER VEHICLE (gal.)				AVERAGE MILEAGE PER GALLON			
Avg. annual percent change [1]	Cars [2] (bil. gal.)	Buses [3] (bil. gal.)	Trucks [4] (bil. gal.)	All vehicles	Cars [2]	Buses [3]	Trucks [4]	All vehicles	Cars [2]	Buses [3]	Trucks [4]
5.4	67.6	.6	23.6	830	760	2,172	1,257	12.02	13.52	5.54	7.85
6.2	78.7	1.0	30.7	950	771	2,326	1,321	11.89	13.30	5.86	8.34
–3.8	75.1	1.0	30.1	788	716	2,159	1,224	12.05	13.42	5.89	8.70
2.5	76.4	1.1	31.4	790	716	2,279	1,217	12.18	13.52	5.75	6.99
6.2	79.7	1.0	34.8	806	723	2,188	1,250	12.12	13.53	5.98	8.95
3.4	80.4	1.0	38.1	814	716	1,984	1,301	12.26	13.80	5.98	9.06
4.5	81.7	1.0	42.3	816	701	1,957	1,349	12.35	14.04	5.95	9.11
–2.4	77.3	1.0	43.6	776	653	1,891	1,326	12.52	14.41	5.97	9.19
–5.9	71.9	1.0	41.9	712	591	1,926	1,243	13.29	15.46	5.95	9.54
–.4	71.0	1.1	42.2	697	576	1,938	1,219	13.57	15.94	5.92	9.59
–.9	70.1	1.0	42.1	686	566	1,756	1,191	14.07	16.65	5.93	9.80
2.4	69.9	.9	45.1	686	553	1,507	1,229	14.24	17.14	5.92	9.77
2.3	68.7	.6	49.0	691	536	1,359	1,308	14.49	17.83	5.85	9.83
2.2	69.3	.8	51.0	665	525	1,407	1,302	14.62	16.20	5.84	9.79

ar shown. For 1970, change from 1965. [2] Includes taxicabs. [3] Includes school buses.
ibinations.

es 1002 and 1003: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*.

Digitized by Google

No. 1004. Motorcycles—Travel, Registration, and Fuel Consumption: 1970 to 1985

Year	Travel (mil. veh. miles)	Number of registered vehicles (1,000)	Average travel per vehicle (miles)	Fuel consumption		Average miles per gallon consumed
				Total (mil. gal.)	Average per vehicle (gal.)	
1970	2,979	2,824	1,055	59.6	21	50
1975	5,629	4,964	1,134	112.6	23	50
1976	6,003	4,933	1,217	120.1	24	50
1977	6,349	4,933	1,287	127.0	26	50
1978	7,158	4,868	1,470	143.2	29	50
1979	8,637	5,422	1,593	172.7	32	50
1980	10,214	5,684	1,794	204.3	36	50
1981	10,690	5,831	1,833	213.8	37	50
1982	9,910	5,754	1,722	198.2	34	50
1983	8,760	5,585	1,568	175.2	31	50
1984	8,784	5,480	1,603	175.7	32	50
1985	9,086	5,444	1,669	181.7	33	50

Source: U.S. Federal Highway Administration, *Highway Statistics Summary to 1985*.

No. 1005. Volume and Characteristics of Travel: 1983

[Covers only travel day trips regardless of trip length. VMT = Vehicle-miles of travel; PMT = Person-miles of travel]

Characteristic	Household			Person		Percent distribution			
						Household		Persons	
	Number of trips (mil.)	VMT (bil.)	Average trip length (miles)	Number of trips (mil.)	PMT (bil.)	Number of trips	VMT	Number of trips	PMT
Total	**126,874**	**1,002,139**	**7.9**	**224,385**	**1,946,662**	**100.0**	**100.0**	**100.0**	**100.0**
Purpose:									
Trip to work	35,375	302,185	8.5	45,826	391,544	27.9	30.3	20.4	20.2
Work-related business	3,696	42,223	11.4	5,283	115,605	2.9	4.2	2.4	5.9
Shopping	25,363	133,823	5.2	40,855	219,112	20.0	13.3	18.1	11.2
Other family or personal business	23,245	155,131	6.7	38,158	256,929	18.3	15.5	16.1	13.2
School/church	7,444	40,990	5.5	26,486	129,953	5.9	4.1	11.8	6.7
Visit friends or relatives	12,543	135,801	10.8	24,743	283,520	9.9	13.8	11.0	14.6
Other social or recreational	15,416	133,417	8.7	35,457	302,145	12.2	13.3	15.8	15.5
Vacation	187	21,317	114.0	630	155,551	.1	2.1	.3	8.0
Other	3,605	37,252	7.2	9,147	92,303	2.8	3.8	4.1	4.7
Means of transportation:									
Automobiles	95,497	742,301	9.8	139,387	1,181,626	75.3	74.2	62.1	60.8
Station wagons	10,920	81,471	7.5	16,194	139,253	8.6	8.1	7.2	7.2
Passenger van	2,803	21,401	7.6	4,746	51,269	2.2	2.1	2.1	2.6
Pickup truck [1]	13,851	122,504	8.8	18,372	176,926	10.9	12.2	8.2	9.1
Other	[2] 3,803	[2] 34,462	9.0	[2] 45,686	[2] 397,588	[2] 3.0	[2] 3.4	[2] 20.4	[2] 20.4

[1] Excludes pickup with camper and other trucks. [2] Includes other vans, pickups with campers, other trucks, motorized campers, motorcycles, motorized bicycles and other privately owned vehicles not listed elsewhere. [3] Includes other vans, motorized campers, motorcycles, trains, streetcars, elevated rail, airplane, commercial taxis, buses, school buses, bicycles, walking and other forms of transportation not included elsewhere.

Source: U.S. Federal Highway Administration, *1983 Nationwide Personal Transportation Survey*.

No. 1006. Household Motor Vehicles, Miles Driven, and Motor Fuel Expenditures, by Household Characteristic: 1985

[Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, large trucks, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Based on the Residential Transportation Energy Consumption Survey; subject to sampling variability. For composition of regions, see fig. I, inside front cover]

Household characteristic	Households with motor vehicles (mil.)	Vehicles		Miles driven		Motor fuel expenditures	
		Total (mil.)	Average per household	Total (bil.)	Average per household	Total (bil. dol.)	Average per household
Total	**77.7**	**137.3**	**1.8**	**1,353**	**17,402**	**$99.1**	**$1,274**
Northeast	15.0	24.8	1.7	248	16,476	17.6	1,169
Midwest	19.5	34.1	1.7	327	16,734	24.7	1,266
South	27.0	48.5	1.8	486	17,991	35.7	1,321
West	16.1	29.8	1.8	292	18,086	21.0	1,304
Family income in 1985:							
Less than $5,000	3.7	4.4	1.2	34	9,176	2.8	749
$5,000–$9,999	9.7	12.5	1.3	96	10,094	7.8	811
$10,000–$14,999	10.7	15.8	1.5	149	13,848	11.5	1,068
$15,000–$19,999	9.7	15.8	1.6	141	14,599	10.5	1,085
$20,000–$24,999	9.5	16.9	1.8	165	17,411	12.2	1,286
$25,000–$34,999	14.7	28.2	1.9	289	19,741	21.0	1,434
$35,000 or more	19.8	43.7	2.2	477	24,069	33.3	1,679

Source: U.S. Energy Information Administration, *Residential Transportation Energy Consumption Survey, Consumption Patterns of Household Vehicles, 1985*.

Digitized by Google

1007. Household Motor Vehicle Transportation, by Vehicle Model Year: 1985

Household vehicles include all motorized vehicles used for personal transportation, excluding motorcycles, mopeds, s, and buses. The reporting unit for 1985 is all households which owned a vehicle at any time during 1985. Based on ntial Transportation Energy Consumption Survey; subject to sampling variability]

OLD CHARACTERISTICS	VEHICLES (millions)					MILES PER GALLON				
	Total	Model year				Average	Model year			
		1973 and earlier	1974 to 1978	1979 to 1982	1983 and later		1973 and earlier	1974 to 1978	1979 to 1982	1983 and later
	137.3	**26.9**	**43.3**	**37.8**	**26.7**	**16.1**	**13.4**	**13.8**	**17.9**	**19.3**
	24.6	3.0	6.1	7.6	6.1	17.0	13.6	14.0	16.6	20.2
	34.1	6.4	11.4	9.0	7.0	15.6	12.6	13.2	17.6	19.1
	49.5	9.2	15.0	13.6	10.5	15.6	12.9	13.5	17.4	18.9
	29.6	8.3	6.9	7.3	5.1	16.5	14.4	15.0	16.3	19.2
e in 1985:										
$5,000	4.4	1.4	1.7	.7	.6	14.2	12.5	13.7	17.5	15.6
999	12.5	4.3	4.4	2.4	1.4	14.6	13.3	12.7	16.8	19.9
14,999	15.8	4.4	5.6	3.8	1.6	15.2	13.4	13.6	17.5	16.9
19,999	15.6	3.5	5.7	3.9	2.6	15.7	12.9	13.4	16.1	20.4
24,999	16.9	3.1	5.5	4.7	3.4	16.0	13.3	14.0	17.9	16.9
34,999	28.2	4.5	9.2	6.5	5.9	16.2	13.2	14.0	16.2	19.0
more	43.7	5.7	11.0	13.7	13.1	17.1	13.9	14.3	17.9	19.4

.S. Energy Information Administration, *Residential Transportation Energy Consumption Survey, Consumption Patterns f Vehicles*, 1985.

No. 1008. Domestic Motor Gasoline Supply: 1974 to 1987

[In 1,000 barrels per day, except as noted]

R	SUPPLY [1]			Production	Net imports	Stocks [2] (mil. bbls.)	YEAR AND MONTH	SUPPLY [1]			Production	Net imports	Stocks [2] (mil. bbls.)
	Total	Unleaded						Total	Unleaded				
		Total	Percent						Total	Percent			
	6,537	(NA)	(NA)	6,360	202	216	**1986:**						
	6,675	(NA)	(NA)	6,520	182	235	March	6,955	4,678	67.3	6,061	224	219
	6,976	1,508	21.6	6,841	126	231	June	7,209	4,914	68.2	7,101	392	230
	7,177	1,976	27.5	7,033	215	258	Sept.	6,864	4,613	70.1	6,894	303	234
	7,412	2,521	34.0	7,169	189	238	Dec.	7,143	5,193	72.7	6,970	320	233
	7,034	2,798	39.6	6,852	181	237							
	6,579	3,067	46.6	6,506	139	261	**1987:**						
	6,588	3,264	49.5	6,405	155	253	March [3]	6,921	5,150	74.4	6,555	342	249
	6,539	3,409	52.1	6,338	177	235	June [3]	7,320	(NA)	(NA)	7,036	381	235
	6,622	3,647	55.1	6,340	237	222							
	6,693	3,987	59.6	6,453	293	243							
	6,831	4,406	64.5	6,419	381	223							
	7,034	4,854	69.0	6,752	326	233							

vailable. [1] Production plus net imports less net increase in primary stocks. [2] End of year or month, includes e blending components. [3] Preliminary.

S. Energy Information Administration, *Monthly Energy Review*, April 1987, and earlier issues.

No. 1009. Gasoline Retail Prices—Selected Countries: 1973 to 1986

ars per U.S. gallon. As of **July**, except as indicated. Price includes tax except as noted. For most countries, based on exchange rates in effect as of **July 31** of year shown]

ND TYPE	1973	1975	1980	1985 [1]	1986 [1]	COUNTRY AND TYPE	1973	1975	1980	1985 [1]	1986 [1]
E [2]						West Germany, Bonn:					
leaded	(NA)	(NA)	1.25	1.20	1.19	Regular	1.16	1.25	2.46	1.59	(NA)
aded	.40	.57	1.19	1.12	1.11	Tax [3]	.72	.65	1.23	.61	(NA)
nleaded [4]	.45	.61	1.28	1.34	1.34	Premium	1.31	1.34	2.57	1.66	2.04
	.11	.12	.14	.21	.22	Canada, Ottawa:					
E						Regular	.49	.66	.61	1.55	1.38
	1.06	1.56	2.97	(NA)	(NA)	Tax	.19	.23	.25	.39	.39
	.82	.94	1.70	(NA)	(NA)	Premium	.53	.67	.89	(NA)	(NA)
	1.15	1.69	3.17	2.18	2.56	Mexico, Mexico City:					
						Regular	.24	.64	[5] .45	1.07	(NA)
	.99	1.66	3.08	2.43	(NA)	Tax	(NA)	.31	[5] .15	.63	(NA)
	.79	1.15	1.89	1.65	(NA)	Premium	.36	.91	[5] 1.13	1.36	1.02
	1.05	1.71	3.15	2.52	3.09	Japan, Tokyo:					
om:						Regular	.83	1.36	2.72	2.26	2.84
	.76	1.27	2.60	(NA)	(NA)	Tax [3]	.42	.45	.93	.91	(NA)
	.48	.41	1.24	(NA)	(NA)	Premium	.98	1.63	2.69	2.37	(NA)
	.61	1.31	2.65	1.61	2.24						

vailable. [1] As of January. [2] 1973 prices for regular and premium in Washington, DC; all other data are national ges. Source: 1973—Energy Information Administration, *International Energy Annual*; thereafter, *Monthly Energy Review*. 1980, prices are for leaded premium. [4] Source: PennWell Publishing Co., Tulsa, OK, *Oil and Gas Journal*, weekly. import duty and value-added tax, if any. [5] January 1981.

cept as noted, U.S. Energy Information Administration; 1973–1975 *International Petroleum Annual*; thereafter, *Interna- Annual*.

Digitized by Google

No. 1010. Cost of Owning and Operating an Automobile: 1973 to 1985

ITEM	Unit	1973	1974	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Cost per mile	Cents	16.47	16.62	18.31	20.19	19.57	23.97	27.95	31.92	32.35	33.42	31.32 [1]	27.20
Cost per 10,000 miles	Dollars	1,647	1,662	1,831	2,019	1,957	2,397	2,795	3,192	3,235	3,342	3,132 [1]	2,720
Variable cost	Cents/mile	4.75	5.70	6.45	5.80	5.65	5.86	7.62	8.17	8.37	8.36	7.86	8.04
Gas and oil	Cents/mile	3.35	4.18	4.82	4.11	3.89	4.11	5.86	6.27	6.74	6.64	6.19	6.16
Maintenance	Cents/mile	.78	.87	.97	1.03	1.10	1.10	1.12	1.18	1.00	1.04	1.04	1.23
Tires	Cents/mile	.62	.65	.66	.66	.66	.65	.64	.72	.63	.68	.63	.65
Fixed cost	Dollars	1,172	1,092	1,186	1,439	1,392	1,811	2,033	2,375	2,398	2,506	2,346	2,441
Insurance:													
Fire and theft [2]	Dollars	45	38	53	80	57	74	70	76	53	80	80	92
Collision [3]	Dollars	143	118	141	188	138	168	172	180	153	201	200	198
Property damage [4] and liability	Dollars	179	178	189	250	229	241	248	254	243	222	225	213
License and registration	Dollars	28	26	30	74	74	90	82	88	54	102	106	115
Depreciation	Dollars	777	732	773	847	894	942	1,038	1,287	1,356	1,343	1,207	1,253
Finance charge	Dollars	(NA)	(NA)	(NA)	(NA)	(NA)	296	423	490	539	558	528	570
Average fixed cost per day	Dollars	3.21	2.99	3.25	3.94	3.81	4.96	5.57	6.51	6.57	6.67	8.43	6.69

NA Not available. [1] Not comparable to previous data. [2] $50 deductible 1973 through 1977, and $100 deductible 1978 through 1985. [3] $100 deductible 1973 through 1977, and $250 deductible 1978 through 1985. [4] Coverage: $100,000/$300,000.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *Motor Vehicle Facts and Figures*, annual.

No. 1011. Passenger Transit Industry—Summary: 1970 to 1985

[Includes Puerto Rico. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (*a*) local motorbus systems, (*b*) light rail systems, (*c*) heavy rail systems, and (*d*) trolley coach systems. Beginning 1964, data also include suburban railroads, urban ferry boats, automated guideways, inclined planes, cable cars, aerial tramways, and rural fixed-route non-intercity motorbus systems. Also include all transit modes, and are non-continuous between 1983 and 1984. Based on financial and statistical reports received by American Public Transit Association from transit systems representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1970*, series Q 238–250]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Operating systems	**Number**	**1,079**	**947**	**1,018**	**1,027**	**1,044**	**1,035**	**1,036**	**1,036**	**2,314**	**2,361**
Motorbus systems [1]	Number	1,075	941	1,014	1,023	1,040	1,030	1,031	1,031	2,291	2,338
Publicly owned systems [1]	Number	144	333	463	523	578	578	581	599	1,004	1,018
Passenger vehicles owned	**Number**	**61,350**	**82,226**	**64,013**	**65,739**	**70,983**	**72,063**	**73,803**	**73,782**	**94,917**	**95,512**
Motorbuses	Number	49,700	50,811	52,866	54,490	59,411	60,393	62,114	62,093	78,864	79,237
Electric railway cars [2] [3]	Number	10,600	10,712	10,554	10,524	10,749	10,919	10,926	11,003	10,902	11,163
Heavy rail	Number	9,338	9,608	9,567	9,522	9,893	9,801	9,867	9,943	9,841	10,116
Trolley coaches	Number	1,050	703	593	725	823	751	763	686	686	686
Total revenue	**Mil. dol**	(NA)	**3,451**	**4,682**	**5,558**	**6,510**	**7,366**	**8,044**	**8,526**	**11,638**	**12,621**
Passenger revenue	Mil. dol	1,639	1,861	2,271	2,436	2,557	2,701	3,077	3,172	4,456	4,662
Other operating revenue [4]	Mil. dol	68	183	179	212	248	344	380	333	777	716
Operating assistance	Mil. dol	(NA)	1,408	2,232	2,910	3,705	4,321	4,587	5,023	6,605	7,243
Federal	Mil. dol	(NA)	302	690	856	1,094	1,095	1,005	827	1,024	980
State and local	Mil. dol	(NA)	1,106	1,542	2,055	2,611	3,226	3,582	4,195	5,581	6,263
Total expense	**Mil. dol**	**1,996**	**3,752**	**4,789**	**5,611**	**6,711**	**7,623**	**8,314**	**8,736**	**12,559**	**13,541**
Operating expense	Mil. dol	(NA)	3,537	4,539	5,232	6,246	7,024	7,553	7,956	11,219	12,057
Transportation	Mil. dol	(NA)	1,677	2,508	2,735	3,248	3,596	3,882	3,931	5,216	5,592
Maintenance	Mil. dol	(NA)	614	1,069	1,469	1,774	1,946	2,168	2,092	3,334	3,639
Administration	Mil. dol	(NA)	846	962	1,028	1,224	1,482	1,503	1,634	2,669	2,825
Reconciling expense	Mil. dol	(NA)	215	250	380	464	597	761	780	1,340	1,484
Vehicle-miles operated [5]	**Million**	**1,883**	**1,990**	**2,028**	**2,045**	**2,093**	**2,134**	**2,128**	**2,117**	**2,370**	**2,453**
Motorbus	Million	1,409	1,526	1,630	1,634	1,677	1,685	1,669	1,678	1,722	1,771
Electric railway [3] [5]	Million	441	448	384	400	403	437	446	421	456	462
Heavy rail	Million	407	423	364	380	385	420	429	408	436	451
Passengers carried [5] [6]	**Million**	**7,332**	**6,972**	**7,616**	**6,130**	**6,235**	**7,964**	**7,741**	**7,889**	**6,873**	**8,948**
Motorbus [6]	Million	5,034	5,084	5,721	8,156	5,837	5,594	5,324	5,422	5,998	6,024
Electric railway [3] [6]	Million	2,118	1,810	1,825	1,899	2,256	2,232	2,266	2,307	2,388	2,432
Avg. revenue per passenger	**Cents**	**22.4**	**26.7**	**29.8**	**30.0**	**31.0**	**33.9**	**39.7**	**40.2**	**50.2**	**52.1**
Employees, number (avg.)	**1,000**	**138**	**160**	**165**	**178**	**187**	**193**	**194**	**195**	**254**	**262**
Payroll, employee	Mil. dol	1,274	2,236	2,741	3,025	3,280	3,494	3,731	3,921	5,350	5,803

NA Not available. [1] Includes systems with combined services including motorbuses, heavy rail cars, light rail cars, trolley coaches, cable cars, and inclined plane cars. [2] Includes light rail. [3] Beginning 1975, includes cable car and inclined plane. [4] Includes other operating revenue, non-operating revenue, and auxiliary income. [5] Includes trolley coach, not shown separately. [6] Data for 1970–1979 not comparable with later years.

Source: American Public Transit Association, Washington, DC, *Transit Fact Book*, annual.

Digitized by Google

No. 1012. Class I Intercity Motor Carriers of Passengers: 1970 to 1985

ject to ICC regulations. See text, section 21. Minus sign (–) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 69–75]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
ng [1]	Number	71	77	42	43	45	48	45	50	45	43	43
loyees, average	1,000	34	31	27	26	27	31	31	30	25	25	24
of employees	Mil. dol	317	383	400	412	469	599	630	646	570	551	516
nue	Mil. dol	722	942	969	[2] 1,021	1,200	1,397	1,453	1,447	1,276	1,255	1,233
venue [3]	Mil. dol	524	651	655	671	802	947	993	969	876	861	836
revenue and other	Mil. dol	198	291	314	345	398	215	202	229	180	180	184
nses	*Mil. dol*	*639*	*880*	*924*	*983*	*1,143*	*1,318*	*1,381*	*1,416*	*1,283*	*1,254*	*1,166*
evenue	Mil. dol	83	61	45	38	57	79	72	30	–7	1	65
e:												
e taxes	Mil. dol	88	83	58	57	57	107	88	35	16	53	65
taxes	Mil. dol	52	56	40	41	57	90	61	37	26	43	53
cles in service [3]	1,000	13.3	9.7	8.3	8.5	8.2	8.6	8.4	8.1	7.3	7.0	6.4
assenger	Million	871	835	754	726	754	781	732	717	591	585	567
ngers carried	Million	174	147	122	118	122	134	114	112	94	89	88
hicle-mile	Dollar	.73	1.05	1.23	1.35	1.52	1.69	1.89	1.98	2.17	2.14	2.06

arriers preponderantly in local or suburban service and carriers engaged in transportation of both property and [2] Includes $4 million from Government authorities for current operations. [3] Regular route, intercity and local.

Interstate Commerce Commission, 1970, *Transport Statistics in the United States*, Part 7, and 1975–1984, Part 2, 1976, *Financial and Operating Statistics, Class I Motor Carriers of Passengers*, statement No. 750, semiannual. 1979.)

No. 1013. Intercity Bus Lines—Summary of Operations: 1970 to 1985

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
anies	Number	1,000	950	1,050	1,100	1,200	1,330	1,470	1,520	(NA)	(NA)	(NA)
	1,000	22.0	20.5	20.1	20.4	21.3	21.4	21.7	20.9	20.4	20.1	20.2
y served (Dec. 31) [1]	1,000	267	274	276	278	280	279	278	273	270	266	263
: 31) [2]	1,000	50	47	46	46	48	49	50	48	45	44	43
	Million	1,209	1,126	1,118	1,100	1,153	1,162	1,151	1,115	1,027	1,016	993
ngers	Million	401	351	329	336	368	370	370	359	352	352	352
f passengers	Million	92	145	160	175	185	195	204	206	209	(NA)	(NA)
nger-miles	Billion	25.3	25.4	26.0	25.6	27.7	27.4	268	27.3	25.4	35.2	35.2
ue, all services	Mil. dol	901	1,172	1,331	1,419	1,664	1,943	2,097	2,070	1,953	1,914	1,879
ses	*Mil. dol*	*812*	*1,103*	*1,276*	*1,366*	*1,572*	*1,811*	*1,982*	*2,013*	*1,938*	*1,896*	*1,814*
venue [3]	Mil. dol	89	69	55	53	92	132	115	57	15	18	65

ilable. [1] Includes duplication between carriers. [2] Operating companies only. [3] Before income taxes.
can Bus Association, Washington, DC, *Bus Facts*, annual; and *Annual Report*.

Warehousing Services—Operating Revenues, Operating Expenses, and Payroll: 1984 and 1985

OF BUSINESS	Operating revenues			Operating expenses			Annual payroll		
	Total (mil. dol.)		Percent change	Total (mil. dol.)		Percent change	Total (mil. dol.)		Percent change
	1984	1985	1984–1985	1984	1985	1984–1985	1984	1985	1984–1985
freight transition and warehousing services [1]	83,974	88,559	5.5	78,871	84,235	6.8	26,553	27,775	4.6
g, local and distance	79,715	84,015	5.4	75,222	80,261	6.7	25,276	26,400	4.5
warehousing product warehousing and storage	4,148	4,440	7.0	3,556	3,862	8.6	1,231	1,330	8.0
	535	530	–1.0	439	454	3.4	(D)	(D)	(D)
perated warehousing	943	1,032	9.5	793	891	12.2	288	324	12.6
ehold goods rehousing and rage	249	257	3.3	(D)	(D)	(D)	(D)	(D)	(D)
ral warehouse and storage d special rehousing and rage not elsere classified	2,421	2,621	8.3	2,116	2,306	8.9	745	800	7.4

ot meet publication standards because of high sampling error or high imputation rate. [1] Standard Industrial [2] Includes terminal and joint terminal maintenance facilities for motor freight transportation (SIC 4231) not shown

lureau of the Census, *Current Business Reports, 1985 Motor Freight Transportation and Warehousing Survey*.

Digitized by Google

No. 1015. Trucking Services—Operating Revenues, Operating Expenses, and Equipment, by Type of Carrier: 1984 and 1985

[In millions of dollars, except as indicated. Data cover SIC group 421. Estimates include both regulated and nonregulated carriers; excluded are non-employers (i.e., firms with no paid employees) and private fleets operated as auxiliary establishments to nontransportation companies. Some unpublished estimates may be derived from this table by subtraction, but such figures are subject to high sampling variability and should be used with caution]

ITEM	ALL CARRIERS		SPECIALTY FREIGHT CARRIERS		GENERAL FREIGHT CARRIERS	
	1984	1985	1984	1985	1984	1985
Operating revenues:						
Total [1]	79,715	84,015	25,072	26,877	54,643	57,138
Motor carrier	73,999	78,017	21,902	23,431	52,096	54,586
Local trucking	15,830	17,526	7,518	8,537	8,312	8,988
Intercity trucking	58,169	60,490	14,385	14,893	43,785	45,597
Operating expenses:						
Total	75,222	80,261	23,349	25,380	51,872	54,901
Annual payroll	25,276	26,400	6,431	6,796	18,844	19,605
Employer contributions to Social Security and other supplemental labor benefits	5,778	6,009	1,185	1,270	4,593	4,734
Purchased fuels	6,325	6,446	1,808	1,848	4,516	4,598
Lease and rental payments	15,941	16,864	(S)	(S)	10,585	11,214
Depreciation	3,783	4,068	(S)	(S)	2,500	2,689
Taxes and licenses	1,686	1,862	494	548	1,192	1,314
Other	16,435	18,518	6,792	7,769	9,642	10,749
Equipment [2] (1,000 units):						
Trucks	(NA)	221	(NA)	88	(NA)	132
Truck-tractors	(NA)	473	(NA)	147	(NA)	326
Trailers, full and semi	(NA)	1,011	(NA)	207	(NA)	804

NA Not available. S Data do not meet publication standards. [1] Includes other revenues not shown separately. [2] Represents revenue generating freight equipment as of December 31. Includes owned and leased equipment.

Source: U.S. Bureau of the Census, *Current Business Reports*, 1985 Motor Freight Transportation and Warehousing Survey

No. 1016. Class I Intercity Motor Carriers of Property, by Carrier: 1975 to 1985

[See headnote, table 1012. Common carriers are carriers offering regular scheduled service. Contract carriers provide service at request of user. Minus sign (–) indicates loss]

ITEM	Unit	1975	1980	1984	1985	1975	1980	1984	1985
		COMMON CARRIER, GENERAL FREIGHT				COMMON CARRIER OTHER THAN GENERAL FREIGHT			
Carriers reporting	Number	368	298	254	237	330	441	464	397
Number of employees, average	1,000	379	413	383	376	94	101	87	76
Compensation of employees	Mil. dol	5,726	9,803	10,428	10,217	1,046	1,931	1,972	1,783
Operating revenues	Mil. dol	11,116	19,725	22,482	22,314	3,907	8,792	8,991	7,962
Intercity freight	Mil. dol	10,511	19,480	22,222	22,080	3,717	8,339	8,654	7,664
Operating expenses	Mil. dol	10,571	18,870	21,279	21,037	3,758	8,426	8,653	7,752
Ordinary income before taxes	Mil. dol	432	701	1,084	1,198	109	230	254	123
Net income	Mil. dol	225	– 72	657	658	65	14	182	94
Total power units, intercity service	1,000	78	102	106	108	69	95	88	77
Trucks, tractors owned in operation, avg	1,000	49	73	80	82	25	33	32	29
Intercity vehicle-miles	Million	6,246	6,547	6,045	5,760	4,778	6,889	6,589	5,714
Tons of intercity revenue freight carried	Million	191	178	147	136	264	324	345	303
		CONTRACT CARRIER OTHER THAN GENERAL FREIGHT				CARRIERS OF HOUSEHOLD GOODS			
Carriers reporting	Number	50	69	69	64	32	28	35	40
Number of employees, average	1,000	10	14	19	22	4	10	10	11
Compensation of employees	Mil. dol	175	336	569	630	70	157	190	240
Operating revenues	Mil. dol	453	1,272	1,836	1,942	866	1,824	2,510	2,684
Intercity freight	Mil. dol	411	1,172	1,688	1,792	785	1,676	2,288	2,388
Operating expenses	Mil. dol	432	1,207	1,734	1,807	849	1,781	2,432	2,635
Ordinary income before taxes	Mil. dol	17	48	92	103	32	74	107	79
Net income	Mil. dol	9	28	57	69	18	42	70	54
Total power units, intercity service	1,000	8	13	16	16	18	25	33	35
Trucks, tractors owned in operation, avg	1,000	5	7	10	11	(Z)	1	1	1
Intercity vehicle-miles	Million	454	934	1,267	1,227	688	969	1,222	1,171
Tons of intercity revenue freight carried	Million	21	37	38	41	3	5	7	7

Z Less than 500.

Source: U.S. Interstate Commerce Commission, *Transport Statistics in the United States*, Part 2, annual.

Digitized by Google

No. 1017. Railroads, Class I—Summary: 1970 to 1986

1, or **calendar year** data, except as noted. Compiled from annual reports of class I railroads only, except where ning 1983, financial data may not be comparable with earlier years due to changes in accounting systems. Minus licates deficit. See also *Historical Statistics, Colonial Times to 1970*, series Q 284–312, Q 319, Q 330, Q 356–378, 401]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
uling companies [1]	Number	71	73	39	36	33	32	29	23	22
	1,000	566	494	480	457	397	342	344	302	276
on	Mil. dol	5,711	7,475	11,318	11,650	11,021	10,345	11,004	10,563	9,919
er hour	Dollars	4.14	6.39	10.21	11.14	12.26	13.29	13.84	14.30	14.78
er year	Dollars	10,086	15,324	24,659	26,698	29,087	32,125	34,064	34,991	35,961
owned [2]	1,000	206	199	179	168	165	161	157	155	154
k owned [4]	1,000	336	324	290	278	275	270	264	257	256
in service	Number	27,086	26,210	28,396	27,808	27,073	25,838	24,506	22,932	21,045
orsepower	1,000 lb	1,926	2,121	2,302	2,326	2,341	2,364	2,415	2,469	2,531
ce:										
train	Number	11,177	6,471	4,347	3,945	3,736	2,610	[5] 2,580	2,502	2,307
in [4]	1,000	1,784	1,724	1,711	1,673	1,588	1,543	1,486	1,422	1,339
ars [7]	1,000	1,454	1,359	1,168	1,111	1,039	1,007	948	867	799
rage capacity [7]	Tons	67.1	72.9	78.5	80.5	81.6	82.4	83.4	83.2	84.1
regate capacity [7]	Mil. tons	95.6	99.2	92.7	89.4	84.8	83.0	80.0	72.2	67.2
	1,000	590	475	347	314	278	271	245	216	180
la and hopper [7]	1,000	724	680	636	621	584	577	552	505	473
[7]	1,000	140	204	185	176	167	159	151	145	146
xpenses:										
evenues	Mil. dol	11,992	16,402	28,103	30,899	27,504	26,729	29,453	27,586	26,204
penses	Mil. dol	11,476	15,936	26,250	28,587	26,490	24,106	25,800	25,225	24,896
from railway										
	Mil. dol	514	466	1,853	2,312	1,013	2,623	3,653	2,361	1,308
e fixed charges	Mil. dol	994	1,094	3,167	4,425	2,680	3,869	4,893	3,393	2,480
on ordinary income [8]	Mil. dol	88	58	291	45	[9] 58	[9] 44	255	294	490
	Mil. dol	1,069	1,706	2,578	3,330	21,628	3,014	3,577	3,088	2,611
nded debt	Mil. dol	497	623	933	1,056	1,019	939	916	877	875
income	Mil. dol	227	144	1,192	2,041	1,152	1,778	2,654	1,788	747
perating income	Mil. dol	486	351	1,312	1,361	742	1,838	2,536	1,746	507
n on average										
ent	Percent	1.73	1.20	4.13	3.98	2.11	4.29	5.70	3.84	1.11
expenditures	Mil. dol	1,351	1,790	3,621	2,750	1,975	2,761	3,744	4,423	3,601
	Mil. dol	993	1,303	2,346	1,502	713	455	806	965	693
nd structures	Mil. dol	358	486	1,275	1,248	1,262	2,306	2,938	3,458	2,908
/ investment	Mil. dol	38,213	40,344	43,923	46,619	47,311	62,964	63,471	64,241	64,781
eciation and										
	Mil. dol	10,027	10,605	10,706	11,622	12,051	19,480	20,098	19,756	20,940
nt	Mil. dol	26,186	29,740	33,217	34,997	35,260	43,483	45,435	46,237	45,344
equity	Mil. dol	17,323	14,942	19,860	21,253	21,349	26,461	27,986	27,805	25,442
apital	Mil. dol	−59	68	897	1,892	1,372	1,325	1,844	1,084	743
ds	Mil. dol	421	434	810	662	1,038	1,085	1,066	1,444	1,376
enger traffic:										
evenue	Mil. dol	(NA)	(NA)	(NA)	468.1	465.1	515.3	556.7	604.9	633.6
engers carried	1,000	(NA)	(NA)	(NA)	19,869	18,725	19,469	20,065	20,945	20,165
enger miles	Mil.	(NA)	(NA)	(NA)	4,662	4,122	4,343	4,566	4,977	5,015
r passenger	Dol.	(NA)	(NA)	(NA)	23.54	24.80	26.39	26.23	28.86	31.42
r passenger mile	Cents	(NA)	(NA)	(NA)	10.33	11.26	11.83	12.43	12.15	12.63
ssenger	Miles	(NA)	(NA)	(NA)	234.4	220.1	223.1	227.6	237.6	248.7
e	Mil. dol	10,922	15,390	26,200	28,925	25,627	25,835	28,472	26,688	25,344
	Cents	1.43	2.04	2.83	3.18	3.21	3.20	3.08	3.04	2.92
ated	Dollar	7.67	11.40	18.05	20.36	20.89	20.66	20.89	21.39	20.82
originated	Million	1,485	1,395	1,492	1,453	1,269	1,293	1,429	1,320	1,087
carried	Million	2,616	2,437	2,434	2,377	1,979	1,932	2,119	1,985	1,938
ne mile	Billion	765	754	919	910	798	827	922	877	868
of road operated	1,000	209	205	179	177	174	170	165	161	155
niles per mile of										
	1,000	3,652	3,666	5,133	5,142	4,802	4,876	5,578	5,446	5,587
on-mile	Cents	1.428	2.041	2.852	3.178	3.212	3.119	3.090	3.043	2.921
	Million	427	402	426	408	345	346	369	347	347
per train-mile [10]	Number	1,820	1,938	2,175	2,265	2,345	2,432	2,543	2,574	2,552
per loaded										
	Number	44.9	51.7	63.5	67.1	68.3	61.2	62.4	62.7	63.2
r train-hour	Miles	20.1	20.0	18.2	19.0	21.4	20.3	21.9	21.9	22.5
U.S. as a system	Miles	490	516	590	600	604	613	617	635	636
	Number	2,255	1,560	1,417	1,264	1,119	1,073	1,247	1,036	1,091
d	Number	21,327	54,306	62,246	53,003	40,275	34,816	38,570	34,304	26,923

liable. [1] See text, section 21 for definition of class I. [2] Average mid-month count. [3] Represents the of roadway of all line-haul railroads. Excludes yard tracks, sidings, and parallel lines. (Includes estimate for class s.) [4] Includes multiple main tracks, yard tracks, and sidings owned by both line-haul and switching and terminal. te for class II and III railroads.) [5] Excludes Long Island Railroad, which was reclassified. [6] Includes cars ailroads, private car companies, and shippers. [7] Class I railroads only. [8] Includes State income taxes [9] Represents credit. [10] Revenue and non-revenue freight. [11] Includes highway grade crossing casual- mparable with later years due to change in requirements for reporting injuries.

sation of American Railroads, Washington, DC, *Yearbook of Railroad Facts*, *Statistics of Railroads of Class I*, *lysis of Class I Railroads*, annual. Accident data: U.S. Federal Railroad Administration, *Accident Bulletin*, annual.

Digitized by Google

No. 1018. Railroads, Class I—Cars of Revenue Freight Loaded, 1960 to 1986, and by Commodity Group, 1985 and 1986

[In thousands. Figures are 52-week totals. Data for 1978–86 include 12 class II railroads which were class I in 1977. See text, section 21, for definition of class I. N.e.c. = Not elsewhere classified]

YEAR	CARLOADS		COMMODITY GROUP	CARLOADS		COMMODITY GROUP	CARLOADS	
	Total	Piggy-back		1985	1986		1985	1986
1960	30,441	554	Coal	5,793	5,680	Crushed stone, gravel, sand	642	667
1965	29,248	1,077	Metallic ores	725	742	Nonmetalic minerals, n.e.c.	568	453
1970	27,160	1,450	Chemicals, allied products	1,251	1,240	Waste and scrap materials	436	411
1975	23,217	1,308	Grain	1,187	1,265	Lumber, wood products (exc. furniture), n.e.c.	366	397
1980	22,598	1,661	Motor vehicles and equipment	1,092	1,035	Forwarder/shipper assoc. traffic	336	201
1981	21,613	1,723	Pulp, paper, allied products	712	857	Coke	254	218
1982	18,496	1,920	Primary forest products	584	532	Petroleum product	237	240
1983	18,815	2,348	Food and kindred prod., n.e.c.	568	562	Farm products, exc. grain	188	192
1984	20,257	2,703	Grain mill products	537	545	Less than carload	8	6
1985	19,574	2,863	Metals and products	445	414	All other carloads	3,113	3,510
1986	19,477	3,279	Stone, clay, and glass products	530	508			

Source: Association of American Railroads, Washington, DC, *Cars of Revenue Freight Loaded*, annual.

No. 1019. Railroads, Class I Line-Haul—Revenue Freight Originated, by Commodity Group: 1970 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series Q 332, for total carloads originated]

COMMODITY GROUP	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Carloads [1] (1,000)	**27,015**	**22,930**	**22,482**	**23,409**	**22,223**	**21,343**	**18,585**	**19,013**	**20,946**	**19,501**	**19,587**
Coal	5,296	4,844	4,372	5,329	5,789	5,835	5,718	5,278	6,061	5,684	5,433
Farm products	2,374	1,873	1,599	1,721	1,866	1,637	1,566	1,642	1,757	1,494	1,602
Food and kindred products	2,706	2,154	1,922	1,348	1,787	1,557	1,391	1,316	1,234	1,224	1,276
Metallic ores	1,602	1,338	1,405	1,480	1,258	1,354	781	812	1,001	511	508
Chemicals, allied products	1,578	1,313	1,426	1,471	1,322	1,322	1,120	1,216	1,312	1,296	1,287
Nonmetallic minerals [2]	2,204	1,895	1,650	1,592	1,474	1,272	958	1,079	1,204	1,196	1,113
Lumber and wood products [3]	2,048	1,615	1,629	1,565	1,384	1,254	1,002	1,075	1,051	948	965
Transportation equipment	1,059	1,135	1,352	1,278	1,004	939	801	954	1,141	1,202	1,148
Pulp, paper, allied products	1,197	1,015	975	977	954	899	765	746	741	703	672
Primary metal products	1,486	798	873	913	756	760	459	440	487	449	389
Stone, clay, and glass products	1,231	906	911	920	776	690	516	543	578	551	530
Waste and scrap materials	805	744	734	713	632	810	409	417	480	429	402
Petroleum and coal products	699	787	704	716	596	607	467	495	529	491	477
Machinery, exc. electrical	200	156	104	90	77	66	43	38	40	35	31
Fabricated metal products [4]	398	244	96	87	72	55	36	33	37	31	26
Tons [1] (mil.)	**1,484.9**	**1,395.1**	**1,390.4**	**1,502.1**	**1,492.4**	**1,453.0**	**1,268.8**	**1,292.6**	**1,429.4**	**1,319.8**	**1,305.8**
Coal	404.8	407.8	383.1	473.8	522.1	527.6	523.8	493.6	566.8	538.0	517.5
Farm products	134.2	134.4	128.7	138.5	156.1	139.9	133.5	142.2	151.1	127.0	136.4
Food and kindred products	110.1	100.2	95.4	93.2	91.9	82.8	77.0	75.2	72.1	73.5	78.3
Metallic ores	126.7	106.4	112.5	119.9	105.4	113.8	62.6	68.4	85.5	46.9	46.4
Chemicals, allied products	91.8	91.4	106.7	112.4	108.3	105.9	91.2	99.3	107.4	106.4	105.6
Nonmetallic minerals [2]	169.3	150.6	130.2	132.3	124.8	110.7	84.7	96.5	108.2	107.7	101.2
Lumber and wood products [3]	101.9	88.8	95.1	93.1	85.5	80.3	65.9	71.7	69.8	63.2	64.9
Transportation equipment	24.2	27.3	32.2	30.8	23.9	22.2	18.8	22.2	26.1	27.2	25.9
Pulp, paper, allied products	42.5	40.8	41.4	42.4	42.1	41.6	36.4	36.6	37.7	36.2	35.6
Primary metal products	82.2	51.4	60.3	63.9	52.7	53.3	32.0	32.0	36.1	33.8	29.7
Stone, clay, and glass products	71.1	56.8	59.9	61.5	53.7	49.2	38.2	41.8	44.7	43.5	42.1
Waste and scrap materials	39.8	38.2	37.8	38.5	34.3	34.1	22.7	24.5	28.8	25.7	25.0
Petroleum and coal products	36.3	45.8	44.4	43.9	38.1	39.0	31.6	33.8	35.3	32.9	32.8
Machinery, exc. electrical	4.6	3.8	2.5	2.3	2.0	1.7	1.2	.8	.9	.9	.8
Fabricated metal products [4]	11.3	8.2	2.5	2.3	2.0	1.7	1.0	.8	.9	.8	.7
Gross revenue [1] (mil. dol.)	**11,386**	**15,899**	**20,785**	**24,283**	**26,938**	**29,590**	**26,504**	**26,710**	**29,866**	**28,225**	**27,196**
Coal	1,381	2,146	2,813	3,872	4,956	5,977	6,307	5,969	6,965	6,556	6,089
Farm products	1,068	1,472	1,878	2,101	2,801	2,621	2,305	2,374	2,483	1,977	2,007
Food and kindred products	1,363	1,822	2,158	2,421	2,837	2,928	2,604	2,349	2,309	2,256	2,192
Metallic ores	333	468	553	621	597	723	403	450	567	375	375
Chemicals, allied products	1,137	1,661	2,342	2,739	2,946	3,288	2,942	3,078	3,360	3,342	3,342
Nonmetallic minerals [2]	409	596	723	829	948	1,036	852	834	997	949	839
Lumber and wood products [3]	832	1,066	1,461	1,546	1,543	1,559	1,303	1,527	1,611	1,525	1,563
Transportation equipment	734	1,263	2,089	2,167	1,917	2,120	1,966	2,292	2,659	3,110	2,996
Pulp, paper, allied products	730	977	1,260	1,445	1,652	1,848	1,717	1,671	1,762	1,641	1,570
Primary metal products	813	848	1,104	1,291	1,332	1,559	977	818	955	872	787
Stone, clay, and glass products	512	851	902	1,018	1,025	1,114	886	908	1,024	960	906
Waste and scrap materials	232	359	432	479	513	573	418	423	496	446	425
Petroleum and coal products	305	573	713	835	865	1,019	887	844	913	861	800
Machinery, exc. electrical	146	200	166	174	178	178	115	75	81	72	58
Fabricated metal products [4]	210	221	115	117	110	105	71	52	57	48	40

[1] Includes commodity groups and small packaged freight shipments, not shown separately. [2] Except fuels. [3] Except furniture. [4] Except ordnance, machinery, and transport.

Source: 1970–1979, U.S. Interstate Commerce Commission, *Freight Commodity Statistics—Class I Railroads in the United States*, annual; thereafter, Association of American Railroads, Washington, DC, *Freight Commodity Statistics*, annual.

Digitized by Google

No. 1020. Railroad Freight—Producer Price Indexes: 1970 to 1986

[Dec. 1984 = 100. Reflects prices for shipping a fixed set of commodities under specified and unchanging conditions]

COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total railroad freight	**29.1**	**45.3**	**53.2**	**56.9**	**65.0**	**75.9**	**87.4**	**93.7**	**95.0**	**99.3**	**99.9**	**100.7**
Annual percent change [1]	8.8	13.2	6.8	7.0	14.2	16.8	15.2	7.2	1.4	4.5	.6	.8
Coal	26.9	44.0	52.4	56.5	65.9	75.8	86.9	95.4	96.5	99.9	100.0	100.7
Farm products	29.7	45.2	52.4	56.1	64.6	75.6	86.3	92.4	94.0	98.7	99.0	99.8
Food and kindred products	28.9	44.8	51.9	55.8	63.5	75.2	87.4	93.7	94.8	99.1	100.0	99.9
Metallic ores	26.4	43.2	51.2	55.1	63.8	74.5	86.1	93.9	95.9	99.4	100.2	100.5
Chemicals and allied products	30.0	46.5	54.3	57.5	64.9	75.8	87.1	93.5	94.3	98.7	100.1	101.2
Nonmetallic minerals	25.4	40.5	48.3	52.0	60.6	72.2	86.4	93.3	94.8	98.9	100.1	101.6
Lumber and wood products	28.3	42.8	50.1	53.8	81.0	72.7	85.2	91.4	93.3	99.7	100.0	100.9
Transportation equipment	31.7	50.3	59.3	63.1	71.5	81.7	91.6	94.5	95.6	99.8	100.0	100.8
Pulp, paper, and allied products	31.5	47.1	53.9	57.0	64.7	76.7	88.5	94.7	95.8	99.9	100.0	101.0
Primary metal products	29.9	47.8	56.0	59.5	67.5	77.8	86.5	94.3	95.4	99.7	99.7	100.2
Stone, clay, concrete, glass, products	26.9	43.0	50.9	55.0	62.8	74.2	86.5	93.4	94.4	98.8	100.0	102.2

[1] Change from prior year.

Source: U.S. Bureau of Labor Statistics, *Producer Prices and Price Indexes*, monthly and annual.

No. 1021. Petroleum Pipeline Companies—Characteristics: 1972 to 1985

[Covers pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission from 1972 to 1975, and Federal Energy Regulatory Commission beginning 1977]

ITEM	Unit	1972	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Miles of pipeline, total	1,000	172.1	170.7	154.5	161.6	169.8	172.7	172.8	172.5	167.8	173.9	171.4
Gathering lines	1,000	42.3	40.4	34.7	36.5	36.9	36.3	38.6	35.8	31.0	36.1	35.0
Trunk lines	1,000	129.8	130.3	119.8	125.1	132.9	136.4	134.2	136.9	136.9	137.9	136.4
Total deliveries	Mil. bbl	8,847	9,391	10,019	10,768	11,140	10,600	10,223	10,181	10,310	10,224	10,745
Crude oil	Mil. bbl	5,510	5,729	6,089	6,550	6,728	6,405	6,070	5,968	6,020	5,671	6,239
Products	Mil. bbl	3,337	3,662	3,930	4,218	4,412	4,195	4,153	4,213	4,289	4,552	4,506
Total trunk line traffic	Bil. bbl-miles	2,687	2,892	3,895	3,723	3,577	3,405	3,554	3,442	3,328	3,406	3,342
Crude oil	Bil. bbl-miles	1,520	1,551	2,267	2,031	1,946	1,948	1,813	1,938	1,875	1,855	1,842
Products	Bil. bbl-miles	1,167	1,341	1,627	1,691	1,631	1,458	1,740	1,484	1,452	1,551	1,500
Carrier property value	Mil. dol	6,749	10,740	16,736	17,654	18,990	19,752	21,250	21,942	22,255	19,397	21,605
Operating revenues	Mil. dol	1,338	1,869	2,818	4,990	5,781	6,356	6,678	7,140	7,472	7,824	7,461
Net income	Mil. dol	415	456	478	1,696	1,648	1,912	2,031	2,162	2,353	2,545	2,431

Source: PennWell Publishing Co., Tulsa, Okla., *Oil and Gas Journal*, November 24, 1986 and earlier issues. (Copyright.)

No. 1022. Major Interstate Natural Gas Pipeline Companies—Summary: 1980 to 1985

[Major natural gas pipeline companies are those whose combined sales for resale and natural gas transported or stored for a fee exceed 50 billion cubic feet. They account for more than 85 percent of all interstate natural gas]

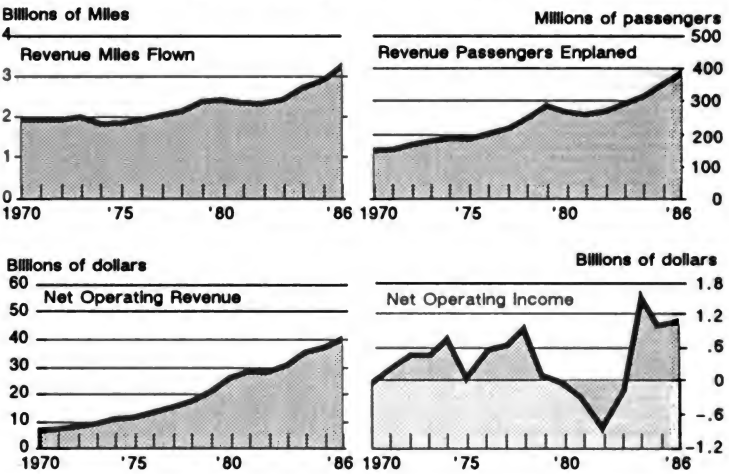
ITEM	Unit	1980	1981	1982	1983	1984	1985
Sales	Tril. cu. ft	(NA)	15.2	14.4	12.9	13.2	11.3
Residential	Tril. cu. ft	(NA)	.1	.3	.3	.3	.3
Commercial, industrial	Tril. cu. ft	(NA)	1.1	1.2	1.0	1.2	1.1
For resale	Tril. cu. ft	(NA)	14.1	13.0	11.8	11.8	9.9
Operating revenues	Mil. dol	(NA)	46,465	56,203	56,792	56,326	49,106
From sales [1]	Mil. dol	(NA)	44,277	53,601	53,710	52,529	44,996
Residential	Mil. dol	(NA)	204	1,273	1,725	1,927	1,879
Commercial, industrial	Mil. dol	(NA)	3,336	4,453	4,233	5,180	4,466
For resale	Mil. dol	(NA)	40,877	47,776	47,661	45,268	38,545
From transportation of gas to others	Mil. dol	(NA)	1,011	1,259	1,787	1,923	2,272
Other	Mil. dol	(NA)	1,177	1,344	1,296	1,874	1,838
Operation, maintenance expenses	Mil. dol	33,303	41,242	49,989	49,391	48,411	42,528
Production	Mil. dol	29,644	36,706	44,449	43,516	42,407	36,739
Storage	Mil. dol	253	313	405	441	415	418
Transmission	Mil. dol	2,431	3,122	3,629	3,729	3,760	3,409
Distribution	Mil. dol	26	31	103	131	131	132
Administrative, general, and other	Mil. dol	947	1,070	1,402	1,576	1,697	1,830
Pipeline mileage:							
Transmission lines	1,000	(NA)	(NA)	178.0	176.7	183.4	189.7
Field lines	1,000	(NA)	(NA)	64.6	63.7	65.2	69.6
Storage	1,000	(NA)	(NA)	6.9	6.5	4.6	4.8

NA Not available. [1] Includes other ultimate customers not shown separately.

Source: U.S. Energy Information Administration, *Statistics of Interstate Natural Gas Pipeline Companies*, annual.

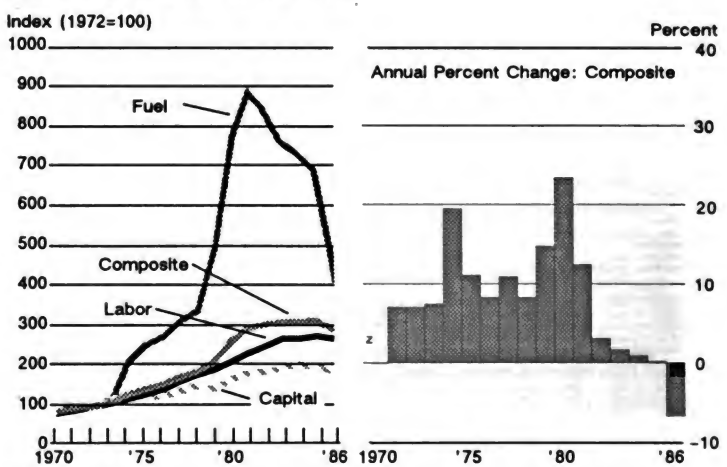
Digitized by Google

Figure 22.1
Domestic Scheduled Air Carriers: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1023 and 1024.

Figure 22.2
Airline Cost Indexes: 1970 to 1986



Z-Rounds to zero.
Source: Chart prepared by U.S. Bureau of the Census. For data see table 1026.

Digitized by Google



Section 22

Transportation—Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. Comparative data on various types of transportation carriers are presented in section 21.

Principal sources of these data are the annual *FAA Statistical Handbook of Aviation* issued by the Federal Aviation Administration (FAA); the annual *Waterborne Commerce of the United States* issued by the Corps of Engineers of the Department of the Army; the monthly and annual issues of *U.S. Waterborne Exports and General Imports*, and *U.S. Airborne Exports and General Imports*, the annual *Vessel Entrances and Clearances*, and the monthly *Highlights of U.S. Export and Import Trade*, issued by the Bureau of the Census. In addition, the Bureau of the Census in its commodity transportation survey (part of the census of transportation, taken every five years, for years ending in "2" and "7") provides data on the type, weight, and value of commodities shipped by manufacturing establishments in the United States, by means of transportation, origin, and destination.

Air transportation data are also presented annually by the Air Transport Association of America, Washington, DC in *Air Transport Facts and Figures*. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the U.S. Maritime Administration; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Completed in the World* and the *Register Book*, published by Lloyd's Register of Shipping, London, England.

Civil aviation.—Federal promotion and regulation of civil aviation have been carried out by the FAA and the Civil Aeronautics Board (CAB). The CAB promoted and regulated the civil air transportation industry within the United States and between the United States and foreign countries. The Board granted licenses to provide air transportation service, approved or disapproved proposed rates and fares, and approved or disapproved proposed agreements and corporate relationships involving air carriers. In December 1984, the CAB ceased to exist as an agency. Some of its functions were transferred to the Department of Transportation (DOT), as outlined below. The responsibility for investigation of aviation accidents resides with the National Transportation Safety Board.

The Office of the Secretary, DOT aviation activities include: negotiation of international air transportation rights, selection of U.S. air carriers to serve capacity controlled international markets, oversight of international rates and fares, maintenance of essential air service to small communities, and consumer affairs. DOT's Research and Special Programs Administration (RSPA) handles aviation information functions formerly assigned to CAB.

The principal activities of the FAA include: The promotion of air safety; controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment; and the development of general aviation.

The CAB published monthly and quarterly financial and traffic statistical data for the certificated route air carriers. RSPA continues these publications, including both certificated and non-certificated (commuter) air carriers. The FAA publishes annually data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the volume of activity in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

General aviation comprises all civil flying (including such commercial operations as small demand air taxis, agriculture application, powerline patrol, etc.) but excludes certificated route air carriers, supplemental operators, large-aircraft commercial operators and commuter airlines.

Air carriers and service.—The CAB previously issued "certificates of public convenience and necessity" under Section 401 of the Federal Aviation Act of 1958 for scheduled and non-scheduled (charter) passenger services and cargo services. It also issued certificates under Section 418 of the Act to cargo air carriers for domestic all-cargo service only. The DOT Office of the Secretary now

Digitized by Google

issues the certificates under a "fit, willing and able" test of air carrier operations. Carriers operating only 60 seat or less aircraft are given exemption authority to carry passengers, cargo and mail in scheduled and non-scheduled service under Part 298 of the DOT (formerly CAB) regulations. Exemption authority carriers who offer scheduled passenger service to an essential air service point must meet the "fit, willing and able" test.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft, except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States, whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo are not included in the figures.

Units of measurement.—Cargo (or freight) tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. Substantially, it represents space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Deadweight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is, therefore, the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 1023. Certificated Route Passenger/Cargo Air Carriers—Number, Operating Revenues, and Expenses: 1970 to 1986

[**In millions of dollars, except number of carriers.** 1970-1979, includes scheduled and charter operations. Beginning 1980, includes all cargo carriers. Minus sign (−) indicates loss. See also headnote, table 1024, and *Historical Statistics, Colonial Times to 1970*, series Q 591-603]

ITEM	1970	1975	1979	1980	1981 [1]	1982 [1]	1983 [1]	1984 [1]	1985 [1]	1986, [1] prel
Number of air carriers	39	33	49	63	98	98	96	95	106	98
DOMESTIC										
Operating revenue	**7,131**	**11,911**	**21,337**	**26,404**	**28,788**	**26,728**	**31,014**	**35,394**	**37,829**	**40,921**
Passenger	6,359	10,290	18,930	23,317	25,504	25,440	27,346	31,437	33,343	33,745
Mail (including subsidy)	205	247	413	530	591	572	537	560	740	683
Express and freight	472	702	1,184	1,582	1,659	1,505	1,582	1,690	1,581	4,277
Other	94	672	810	974	1,034	1,211	1,549	1,707	1,965	2,216
Operating expenses	**7,128**	**11,781**	**21,213**	**26,409**	**28,051**	**26,478**	**31,186**	**33,812**	**36,611**	**39,833**
Flying operations	2,098	3,869	7,867	11,029	12,037	11,529	11,370	12,161	12,684	11,334
Maintenance	1,127	1,595	2,421	2,758	2,821	2,709	2,878	3,178	3,604	4,462
General services and administration	3,157	5,050	9,120	10,545	11,943	12,825	14,274	15,625	17,324	20,647
Depreciation and amortization	745	883	1,352	1,560	1,723	1,676	2,107	2,223	2,318	2,651
Transport related	(NA)	383	453	517	526	537	554	627	681	739
Net operating income	**3**	**129**	**123**	**−6**	**−264**	**−750**	**−171**	**1,582**	**1,018**	**1,088**
INTERNATIONAL										
Operating revenue	**1,913**	**3,063**	**5,191**	**6,543**	**6,390**	**6,435**	**7,163**	**7,975**	**8,302**	**8,616**
Passenger	1,553	2,435	4,226	4,984	4,916	4,959	5,361	6,075	6,451	6,545
Mail (including subsidy)	110	97	107	175	165	177	152	158	160	154
Express and freight	209	381	534	1,011	984	989	913	1,071	1,131	1,451
Other	41	150	325	372	325	309	737	671	560	466
Operating expenses	**1,894**	**3,059**	**5,105**	**6,766**	**6,574**	**6,452**	**6,693**	**7,486**	**7,984**	**8,449**
Flying operations	515	1,050	1,795	2,775	2,757	2,596	2,490	2,629	2,738	2,396
Maintenance	241	363	521	616	540	512	548	677	768	900
General services and administration	950	1,345	2,289	2,811	2,752	2,795	3,056	3,436	3,731	4,442
Depreciation and amortization	188	212	327	385	382	396	389	446	482	517
Transport related	(NA)	88	173	178	144	152	211	297	265	194
Net operating income	**19**	**4**	**86**	**−223**	**−184**	**−17**	**470**	**490**	**319**	**167**

NA Not available. [1] Excludes carriers that report system total only (operating revenues of $1,033 million in 1981, $902 million in 1982, $415 million in 1983, $692 million in 1984, $2,649 million in 1985, and $450 million (preliminary) in 1986; operating expenditures of $986 million, $874 million, $352 million, $650 million, $2,613 million, and $443 million (preliminary) in 1981, 1982, 1983, 1984, 1985, and 1986, respectively.

Source: U.S. Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Financial Statistics*, quarterly

Digitized by Google

NO. 1024. CERTIFICATED ROUTE AIR CARRIERS—SUMMARY: 1970 TO 1986

[As of Dec. 31 or for **calendar years.** See text, section 22. Operations between conterminous U.S., Puerto Rico, and outlying areas included with international. See also *Historical Statistics, Colonial Times to 1970*, series Q 577–590 and Q 624–633]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
Domestic operators [1]	Number	35	33	63	98	96	95	106	98
International operators [1]	Number	8	2						
Employment, total [2]	1,000	297	290	371	330	329	345	355	422
Pilots, copilots, and other flight personnel	1,000	33	32	39	35	35	37	40	46
Flight attendants	1,000	34	39	57	51	56	60	63	68
Mechanics	1,000	48	45	45	43	40	43	43	48
Aircraft and traffic servicing personnel	1,000	64	83	122	88	95	101	101	136
Other	1,000	98	91	108	113	103	104	108	124
Fixed-wing aircraft in operation [3]	Number	2,421	2,260	2,505	2,468	2,618	2,692	2,860	3,799
Turbojet	Number	2,041	2,022	2,336	2,377	2,492	2,572	2,740	3,282
Two-engine	Number	519	500	652	863	974	1,065	1,235	1,494
Three-engine	Number	631	961	1,311	1,260	1,296	1,277	1,277	1,466
Four-engine	Number	891	561	373	254	222	230	228	322
Turboprop	Number	316	193	163	88	118	110	110	416
Piston	Number	64	45	6	3	8	10	10	101
Average available seats: [4] [5]									
Domestic	Number	110.4	130.4	143.1	153.0	154.1	153.7	152.5	153.4
International	Number	154.9	224.8	274.5	283.0	283.6	289.9	296.6	293.1
Average/hr. speed: [5]									
Domestic	Mi. per hr.	403	403	405	408	415	414	409	409
International	Mi. per hr.	482	482	494	483	491	494	497	493
Jet fuel consumed: [6]									
Domestic	Mil. gal.	7,842	7,558	9,218	8,326	8,556	9,417	10,115	11,103
International	Mil. gal.	2,241	1,949	2,093	1,942	1,970	2,053	2,486	2,580
Revenue-miles flown [5]	Millions	2,426	2,241	2,816	2,699	2,809	3,133	3,320	3,719
Domestic	Millions	2,027	1,909	2,471	2,387	2,483	2,786	2,950	3,318
International	Millions	399	332	345	312	326	347	370	401
Revenue passengers enplaned [5]	Millions	169	205	297	294	319	345	382	418
Domestic	Millions	153	189	273	274	297	321	357	393
International	Millions	16	16	24	20	22	24	25	25
Revenue passenger-miles flown: [5]									
Domestic	Billions	104.1	131.7	200.8	210.1	226.9	243.7	270.6	301.8
International	Billions	27.6	31.1	54.4	49.5	54.9	61.4	65.8	64.4
Average passenger-mile rate: [5] [7]									
Domestic	Dollars	.060	.077	.113	.121	.121	.128	.123	.112
International	Dollars	.050	.072	.075	.100	.098	.099	.098	.102
Express and freight revenue, ton-miles flown [5]	Millions	3,515	4,796	5,742	5,482	6,092	6,566	6,020	7,336
Domestic	Millions	2,216	2,747	3,277	3,039	3,385	3,565	3,133	3,990
International	Millions	1,299	2,049	2,465	2,443	2,707	3,001	2,887	3,346
Mail, ton-miles flown: [5]									
Domestic	Millions	715	683	949	1,004	1,065	1,161	1,214	1,247
International	Millions	549	426	393	400	415	457	445	434
Accidents [8] (scheduled passenger service):									
Total [9]	Number	39	29	15	15	22	12	18	22
Fatal	Number	2	2	–	3	4	1	4	1
Fatalities	Number	3	122	–	233	15	4	197	3

– Represents zero.

[1] The Airline Deregulation Act of 1978 lifted some restrictions on entering new markets. As a result there is no longer a clear distinction between domestic and international operators. Includes all cargo.

[2] Scheduled airlines only. Source: Air Transport Association of America, Washington, DC, *Air Transport Facts and Figures*, annual.

[3] Excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1975, includes aircraft operated by the scheduled all-cargo certificated route air carriers. Beginning in 1986 also includes large aircraft (passenger seating capacity of more than 30 or a payload of more than 7,500 pounds) operated by commuters and air taxis.

[4] Seats per aircraft mile. Passenger seat-miles divided by revenue-miles flown in passenger service.

[5] Scheduled services of all certificated route air carriers; includes all cargo.

[6] Includes all cargo. Beginning 1980 includes very small amount of gasoline.

[7] Passenger revenues divided by revenue passenger-miles flown.

[8] Beginning 1975, includes all scheduled services of U.S. air carriers operating under 14 CFR 121.

[9] Includes mid-air collisions nonfatal to air carrier occupants (excluded in computation of fatal accidents).

Source: Except as noted, U.S. Dept. of Transportation, Federal Aviation Administration and Research and Special Programs Administration, *Air Carrier Traffic Statistics*, monthly and *Air Carrier Financial Statistics*, quarterly. Includes data from U.S. National Transportation Safety Board.

Digitized by Google

No. 1025. Large Air Traffic Hubs—Summary: 1985

[In thousands, except number of airports. For calendar year. Air traffic hubs are cities and standard metropolitan statistical areas requiring aviation services. A large hub is one which enplanes at least one percent of the total enplaned revenue passengers in all services and all operations of U.S. certificated route air carriers]

Area or hub	Airports [1]	Aircraft departures			Revenue passengers enplaned	Enplaned revenue tons		
		Total [2]	Scheduled			Total [3]	Freight and express	U.S. mail
			Number	Completed				
Total, all areas	**700**	**5,696.2**	**5,748.6**	**5,626.0**	**381,108.1**	**4,905.3**	**3,403.3**	**1,485.2**
Total, 26 large hubs	41	3,439.4	3,487.7	3,399.7	264,507.1	3,130.6	2,048.0	1,080.9
Atlanta, GA	1	283.8	286.5	282.3	20,678.1	291.5	167.2	124.3
Boston, MA	1	101.3	102.1	99.5	9,112.9	118.2	85.5	32.6
Charlotte, NC	1	88.8	89.7	88.4	5,102.7	33.6	18.5	15.1
Chicago, IL	3	322.2	330.2	320.0	22,752.0	402.8	291.4	111.3
Dallas-Ft. Worth, TX	2	258.9	260.8	257.3	20,935.8	147.1	92.3	54.8
Denver, CO	1	177.6	181.3	175.9	13,863.0	100.7	49.4	51.3
Detroit/Ann Arbor, MI	2	125.5	124.0	121.4	7,163.6	123.3	88.8	34.4
Honolulu, HI	1	55.8	60.2	53.0	5,979.7	106.6	91.0	15.6
Houston, TX	2	141.7	144.1	141.3	10,017.4	79.8	56.7	23.1
Las Vegas, NV	1	60.3	60.1	59.2	4,627.1	7.4	4.3	3.1
Los Angeles/Burbank/Long Beach, CA	4	212.8	216.0	209.9	19,532.3	295.1	230.2	64.9
Miami/Ft. Lauderdale, FL	2	115.3	116.0	112.9	10,668.1	135.5	102.9	32.4
Minneapolis/St. Paul, MN	1	112.0	113.8	111.1	7,250.3	101.5	48.2	53.0
Newark, NJ	1	146.1	148.7	144.8	14,272.6	89.0	64.7	24.3
New York, NY	2	207.0	212.8	204.2	19,665.9	342.3	226.1	116.1
Orlando, FL	1	63.4	60.9	59.9	4,848.8	27.2	19.7	7.4
Philadelphia, PA/Camden, NJ	1	73.8	74.3	72.9	4,761.0	81.5	35.9	45.5
Phoenix, AZ	1	101.4	102.1	100.6	6,713.3	23.4	11.2	12.2
Pittsburgh, PA/Wheeling, WV	1	109.4	110.1	108.6	7,002.3	36.1	9.9	26.2
St. Louis, MO	1	145.8	147.2	144.5	9,550.2	94.3	36.5	57.8
Salt Lake City, UT	1	57.8	58.2	57.3	4,137.0	35.0	16.7	18.3
San Diego, CA	1	49.5	50.0	49.2	3,930.9	17.2	10.0	7.2
San Francisco/Oakland, CA	2	155.4	158.7	153.4	12,955.6	233.1	176.7	56.3
Seattle/Tacoma, WA	3	83.4	86.6	82.6	5,724.2	107.5	73.0	33.8
Tampa/St. Petersburg/Clearwater/Lakeland, FL	2	61.5	62.2	60.9	4,240.6	25.4	14.5	10.9
Washington, DC	2	129.2	131.2	127.5	9,015.6	75.7	26.7	49.1

[1] Airports serving area or hub. Airports certificated under Federal Aviation Regulation (FAR Part 139) served by scheduled and unscheduled air carriers. [2] Includes completed scheduled and unscheduled. [3] Includes foreign mail, not shown separately.

Source: U.S. Federal Aviation Administration, *Airport Activity Statistics*, annual.

No. 1026. Airline Cost Indexes: 1970 to 1986

[Covers U.S. major and national service carriers. Major carriers have operating revenues of $1 billion or more; nationals have operating revenues from $75 million to $1 billion]

Item	Index (1972 = 100)								Percent of cash operating expenses [1]			
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1986
Composite	**87.2**	**142.7**	**262.9**	**304.9**	**310.0**	**312.9**	**313.6**	**292.7**	**100.0**	**100.0**	**100.0**	**100.0**
Labor	82.9	129.6	211.3	249.7	268.5	268.3	276.1	269.6	46.0	40.9	35.2	36.2
Interest [2]	99.0	125.0	167.2	188.6	195.5	205.5	198.8	189.7	3.6	2.7	2.9	3.6
Fuel	94.3	250.6	770.3	841.8	762.0	729.1	689.6	472.4	12.8	18.9	29.7	16.4
Passenger food	94.7	120.6	153.6	162.9	168.9	174.5	167.0	167.7	3.9	3.4	2.9	3.4
Advertising and promotion	99.1	102.0	137.6	200.6	204.3	202.9	201.8	205.5	2.6	1.8	1.6	2.4
Landing fees	82.1	135.9	192.3	212.8	214.6	219.0	217.6	241.2	2.2	2.4	1.7	2.0
Passenger traffic commissions	80.1	154.5	318.5	408.2	436.0	476.4	477.0	484.7	2.9	3.8	5.2	8.6
All other	90.4	127.6	164.4	215.2	223.2	232.6	239.9	246.2	26.1	26.1	20.8	27.5

[1] Total operating expenses plus interest on long term debt, less depreciation and amortization. [2] Interest on debt.

Source: Air Transport Association of America, Washington, DC, *Air Transport, 1986*, annual, and unpublished data.

No. 1027. Commuter/Regional Airline Operations—Summary: 1978 to 1986

[Calendar year data. Commuter/regional airlines operate primarily aircraft of predominately 60 passengers or less and 18,000 pounds of payload capacity serving short haul and small community markets. Represents operations within all North America by U.S. regional carriers. Averages are means. For definition of mean, see Guide to Tabular Presentation]

Item	Unit	1978	1979	1980	1981	1982	1983	1984	1985	1986
Passenger carriers operating	Number	228	227	214	246	215	196	203	179	179
Passengers enplaned	Millions	11.3	14.0	14.8	15.4	18.6	21.8	26.1	[1] 26.0	28.4
Average passengers enplaned per carrier	1,000	49.6	61.7	69.2	62.6	86.5	111.2	128.1	152.4	158.4
Revenue passenger miles (RPM)	Billions	1.36	1.72	1.92	2.09	2.61	3.24	4.17	[1] 4.41	4.47
Average RPMs per carrier	Millions	5.97	7.58	8.97	8.50	12.14	16.53	20.46	[1] 24.64	24.98
Airports served	Number	681	746	732	766	817	854	853	854	824
Average trip length	Miles	121	123	129	136	141	149	160	173	158
Passenger aircraft operated	Number	1,047	1,265	1,339	1,483	1,573	1,545	1,747	1,745	1,806
Average seating capacity (seats)	Number	11.9	12.5	13.9	15.1	15.6	18.1	18.4	19.2	18.4
Fleet flying hours	1,000	1,131	1,390	1,740	1,994	2,160	2,415	2,764	2,854	2,929
Average annual utilization aircraft	Hours	1,080	1,193	1,299	1,363	1,373	1,563	1,582	1,635	1,622

[1] Adjusted to exclude a merger in 1986.

Source: Regional Airline Association, Washington, DC, *1987 Annual Report of the Regional Airline Association* (copyright)

Digitized by Google

No. 1028. Civil Flying—Summary: 1970 to 1986

[As of Dec. 31 or for years ending Dec. 31, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series Q 604-623]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986
Airports in operation [1]	Number	11,261	13,251	15,161	15,831	18,029	18,075	18,318	18,582
Heliports	Number	790	1,524	2,336	2,712	2,918	2,980	3,120	3,336
Public	Number	4,260	4,573	4,814	4,805	4,812	4,806	5,861	4,924
Private	Number	7,001	8,678	10,347	11,026	11,217	11,269	10,457	11,658
Airports with runway lights	Number	3,554	4,171	4,738	4,844	4,878	4,889	4,941	4,954
Airports with paved runways	Number	3,805	4,965	5,833	6,223	5,441	6,529	6,721	6,948
Miles of Federal airways	1,000	324.7	403.9	411.1	366.2	364.4	364.8	368.5	332.0
Airport Improvement Program [2]	Mil. dol	50.5	339.9	639.0	407.1	721.5	733.3	842.1	1,815.3
Total civil aircraft	1,000	154.5	196.3	259.4	259.0	264.9	271.5	274.9	275.7
Active aircraft [3]	1,000	134.5	171.2	214.8	214.0	217.5	225.3	215.4	(NA)
Air carriers, total [4]	1,000	2.8	2.5	3.8	4.2	4.2	4.4	4.7	4.9
General aviation aircraft [5]	1,000	131.7	168.5	211.0	209.8	213.3	220.9	210.7	(NA)
Fixed-wing aircraft:									
Multi-engine	1,000	18.4	24.8	31.7	33.2	34.5	35.8	33.8	(NA)
Single-engine:									
4-place and over	1,000	64.6	82.8	107.9	106.5	107.2	109.9	105.6	(NA)
3-place and less	1,000	44.9	54.4	60.5	57.7	59.2	62.0	58.8	(NA)
Rotorcraft [6]	1,000	2.2	4.1	6.0	6.2	6.5	7.1	6.4	(NA)
Balloons, blimps, gliders, etc	1,000	1.6	2.8	5.0	6.2	5.9	6.3	6.3	(NA)
Airman certificates held	1,000	1,002	1,029	1,195	1,133	1,131	1,149	1,105	1,119
Pilot [7]	1,000	733	728	827	733	718	722	710	709
Held by women	Percent	4.0	5.2	6.4	6.2	6.1	6.1	6.1	6.1
Airline transport	1,000	34	43	70	73	75	79	83	87
Commercial	1,000	187	189	183	185	159	155	152	148
Private	1,000	304	306	357	322	319	320	311	306
Student	1,000	196	177	200	156	147	150	147	150
Nonpilot [8]	1,000	269	300	368	400	413	427	395	410
Ground technicians [9]	1,000	241	271	321	352	365	376	341	353
FAA employees: Total	Number	(NA)	56,732	55,340	46,897	46,993	47,178	47,245	46,809
Air traffic control specialists [10]	Number	(NA)	26,790	27,190	20,906	21,271	21,759	22,115	22,036
Full performance [11]	Number	(NA)	(NA)	16,317	9,078	15,458	11,031	11,672	12,533
Developmental [11]	Number	(NA)	(NA)	4,367	6,246		4,848	4,304	3,978
Assistants [11]	Number	(x)	(x)	(x)	1,166	1,367	1,475	1,465	1,479
Electronic technicians	Number	(NA)	9,149	8,871	8,031	7,633	7,229	6,856	6,600
Aviation safety inspectors	Number	(NA)	2,082	2,038	1,835	1,805	1,845	1,897	2,204
Engineers	Number	(NA)	2,597	2,436	2,238	2,313	2,419	2,457	2,417
Other	Number	(NA)	18,114	14,805	13,887	13,971	13,826	13,920	13,552
General aviation: [6]									
Hours flown	Million	26.0	32.0	41.0	36.5	35.2	36.1	34.1	(NA)
Fuel consumed [12]									
Gasoline	Mil. gal	362	397	520	448	428	462	420	(NA)
Jet fuel [13]	Mil. gal	415	510	766	887	813	739	691	(NA)
Aircraft accidents: [14]									
General aviation [5]	Number	4,712	3,995	3,590	3,231	3,060	3,011	2,745	2,568
Fatal	Number	641	633	818	589	554	545	500	466
Rate per 100,000 aircraft hours flown	Rate	(NA)	2.20	1.70	1.84	1.78	1.73	1.63	1.53
Fatalities	Number	1,310	1,252	1,239	1,182	1,081	1,114	957	958
Air carrier [15]	Number	55	29	15	15	22	12	18	22
Fatal	Number	2	2	--	1	4	1	4	1
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.001	--	.001	.001	.0003	.001	.001
Fatalities	Number	146	122	--	233	15	4	197	3
Commuter air carriers [16]	Number	(NA)	48	38	26	18	22	22	14
Fatal	Number	(NA)	12	8	5	2	7	7	2
Rate per 1,000,000 aircraft miles flown	Rate	(NA)	.07	.04	.02	.01	.02	.02	.01
Fatalities	Number	(NA)	28	37	14	11	48	37	4
Air taxis [11]	Number	(NA)	152	171	132	140	146	152	118
Fatal	Number	(NA)	24	46	31	27	23	35	31
Rate per 100,000 aircraft hours flown	Rate	(NA)	.95	1.27	.95	1.05	.75	1.26	1.12
Fatalities	Number	(NA)	69	105	72	62	52	76	64
Hijacking incidents, worldwide	Number	83	25	40	31	33	22	35	12
U.S.-registered aircraft	Number	27	12	22	10	18	3	4	4
Successful [17]	Number	18	4	13	4	13	2	2	--
Foreign-registered aircraft	Number	56	13	18	21	15	19	31	8
Successful [18]	Number	37	3	9	12	6	18	18	2

-- Represents or rounds to zero. NA Not available X Not applicable [1] Existing airports, heliports, seaplane bases, etc. recorded with FAA. Includes military airports with joint civil and military use. Includes U.S. outlying areas. Airport-type definitions: Public—publicly owned and under control of a public agency; private—owned by a private individual or corporation. May or may not be open for public use. [2] Fiscal year data. Does not include System Planning Grants. Includes U.S. outlying areas. 1970–1982 data are obligated Federal funds for the Airport Development Aid Program. 1983–1986 data are appropriated Federal funds under the Airport and Airway Improvement Act of 1982. [3] Registered aircraft that flew 1 or more hours during the year. [4] Includes helicopters. [5] See text, section 22. [6] Includes autogyros; excludes air carrier helicopters. [7] Includes all active pilots. An active pilot is one with a pilot certificate and a valid medical certificate. Also includes pilots who hold only a helicopter, glider, or lighter than air certificate, not shown separately. [8] Includes dispatchers, flight navigators and engineers, and ground technicians—mechanics, parachute riggers, and ground instructors. [9] No medical examinations are required, therefore, data represent all certificates on record and include retired or otherwise inactive technicians. [10] Includes staff positions, managers, and supervisors not shown separately. [11] Serving in-flight service stations, towers, and centers. [12] Source: 1970 and 1975, U.S. Bureau of Mines; 1980–1985 FAA, General Aviation Activity and Avionics Survey. [13] Includes kerosene-type and naphtha-type jet fuels. [14] Data from National Transportation Safety Board. [15] Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 121. [16] Beginning 1975, includes all scheduled service of U.S. Air Carriers operating under 14 CFR 135. [17] Beginning in 1975, includes all nonscheduled service of the U.S. Air Carriers operating under 14 CFR 135. [18] Hijacker controls flight and reaches destination or objective.

Source: U.S. Federal Aviation Administration, *FAA Statistical Handbook of Aviation*, annual; and unpublished data. Includes data from U.S. Department of Transportation, Research and Special Programs Administration.

Digitized by Google

No. 1029. U.S. Aircraft Shipments: 1970 to 1987

[Value in millions of dollars]

Year	Total		Civil						Military	
	Units	Value	Large transports [1]		General aviation [2]		Helicopters		Units	Value
			Units	Value	Units	Value	Units	Value		
1970	11,632	7,511	311	3,158	7,292	337	495	49	3,534	3,967
1975	16,918	9,355	285	4,006	14,056	1,033	838	266	1,739	4,050
1980	14,660	18,845	383	9,793	11,877	2,486	1,353	674	1,047	5,892
1981	11,860	20,157	388	9,731	9,457	2,920	953	636	1,062	6,870
1982	6,248	19,266	236	6,254	4,266	2,000	587	365	1,159	10,647
1983	4,407	25,232	262	8,493	2,691	1,470	401	269	1,053	15,000
1984	3,932	25,471	188	6,343	2,438	1,698	376	330	930	17,100
1985	3,620	31,496	273	9,375	2,033	1,435	384	506	930	20,180
1986 [3]	3,079	34,168	329	11,120	1,495	1,260	330	288	925	21,500
1987 [4]	2,775	34,740	340	12,200	1,225	1,100	315	340	895	21,100

[1] Capacity over 70 seats. [2] Includes aircraft kits for exports. [3] Estimated. [4] Forecast.

Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1987*.

No. 1030. Employment and Earnings in Aircraft Industries: 1970 to 1986

[Annual averages of monthly figures]

SIC [1] code	Item	Unit	1970	1975	1980	1982	1983	1984	1985	1986
	Employment:									
(X)	**Total**	1,000	**664**	**607**	**783**	**732**	**720**	**746**	**814**	**877**
3721	Aircraft	1,000	371	293	349	320	305	306	326	339
3724	Aircraft engines and engine parts	1,000	(NA)	126	163	149	140	140	148	153
3728	Aircraft equipment, n.e.c. [2]	1,000	(NA)	95	140	132	134	146	163	183
376	Guided missiles, space vehicles, and parts	1,000	(NA)	93	111	131	141	154	177	202
(X)	Average weekly earnings: [3]									
3721	Aircraft	Dollars	169	256	404	485	(NA)	(NA)	(NA)	(NA)
3724	Aircraft engines and parts	Dollars	(NA)	247	394	454	476	523	542	561
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	245	378	447	481	499	513	518
(X)	Average hourly earnings: [3]									
3721	Aircraft	Dollars	4.17	6.21	9.66	11.85	(NA)	[4] 12.91	[4] 13.18	[4] 13.48
3724	Aircraft engines and parts	Dollars	(NA)	6.04	9.42	11.18	11.61	12.40	12.85	13.08
376	Guided missiles, space vehicles, and parts	Dollars	(NA)	6.02	9.22	10.95	11.61	11.88	12.09	12.21

NA Not available X Not applicable [1] Standard Industrial Classification; see text, section 13. [2] N.e.c. = not elsewhere classified. [3] For production workers. [4] Excludes lump-sum payments. Earnings include proration of lump-sum payments: $13.11 in 1984; $13.40 in 1985; $13.78 in 1986.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1031. Aerospace Industry—Summary: 1975 to 1987

[For calendar year, except employment and earnings annual averages of monthly figures. Includes Standard Industrial Classification Codes 372 and 376. Industry shipments refer to the total value of all products shipped by establishments classified in that industry. Product shipments refer to the total value of specific products shipped, irrespective of how the establishments which made them are classified]

Item	Unit	1975	1979	1980	1981	1982	1983	1984	1985	1986 [1]	1987 [2]
INDUSTRY DATA											
Value of shipments	Mil. dol.	29,055	48,279	58,483	64,837	66,466	74,823	77,826	90,795	96,576	103,524
In 1982 dollars	Mil. dol.	58,263	66,557	71,696	71,145	66,466	70,876	71,542	82,808	85,010	87,902
Employment, total	1,000	586	682	721	732	685	690	693	746	798	782
Production workers	1,000	312	374	387	377	349	341	344	372	381	387
Average hourly earnings	Dol.	6.53	8.91	9.90	11.19	12.23	13.06	13.24	13.88	13.93	(NA)
Capital expenditures	Mil. dol.	478	1,550	1,923	2,005	2,143	2,158	3,050	3,784	(NA)	(NA)
PRODUCT DATA											
Value of shipments	Mil. dol.	26,834	43,663	53,296	58,968	60,024	66,229	70,200	80,625	87,002	93,601
In 1982 dollars	Mil. dol.	54,316	60,296	65,479	64,762	60,024	62,631	64,400	73,296	76,560	79,405
Shipments price index	1982=100	49.4	71.8	80.8	90.8	100.0	105.8	108.7	109.7	113.5	117.9
TRADE DATA											
Value of imports	Mil. dol.	747	1,395	3,190	4,325	4,242	3,455	4,917	6,083	7,885	8,253
Value of exports	Mil. dol.	7,354	11,520	15,426	17,523	15,335	15,819	15,081	16,726	19,728	20,285

NA Not available [1] Estimated. [2] Forecast.

Source: U.S. Department of Commerce, International Trade Administration, *U.S. Industrial Outlook, 1987*

Digitized by Google

No. 1032. Aerospace—Sales, New Orders, and Backlog: 1970 to 1986

[**In billions of dollars, except as indicated.** Reported by establishments in which the principal business is the development and/or production of aerospace products]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Net sales	24.8	29.5	58.4	69.9	75.5	83.5	86.9	100.5	105.6
Percent of U.S. Government	66.3	58.7	45.6	47.2	55.9	58.8	62.7	63.2	61.9
Complete aircraft and parts [1]	10.4	11.3	22.6	25.1	23.2	27.3	28.3	34.2	38.0
Aircraft engines and parts	3.1	3.4	6.9	8.5	8.7	8.6	9.1	9.7	9.8
Missiles and parts	5.4	6.3	8.4	4.7	5.7	12.7	13.6	16.7	17.5
Other products, services	5.9	8.5	20.5	31.6	37.9	34.8	36.0	39.8	40.3
Net, new orders	21.2	29.0	70.4	72.7	84.9	91.6	104.9	111.0	110.8
Backlog, Dec. 31	24.7	35.0	90.5	93.4	103.5	116.6	132.5	143.0	148.2

[1] Except engines sold separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-37D.

No. 1033. Aerospace Industry Sales, by Product Group and Customer: 1970 to 1986

[**In billions of dollars.** Due to reporting practices and tabulating methods, figures may differ from those in table 1032]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS [2]					
	1970	1975	1980	1984	1985	1986 [1]	1970	1975	1980	1984	1985	1986 [1]
Total sales	25.6	29.7	54.7	83.5	96.8	103.5	69.9	56.0	68.1	76.7	87.9	91.1
PRODUCT GROUP												
Aircraft, total	14.1	16.4	31.5	41.9	50.5	53.2	38.5	31.0	39.2	38.5	45.9	46.8
Civil [3]	4.4	6.5	16.3	10.7	13.7	15.2	12.0	12.2	20.3	9.8	12.5	13.4
Military	9.7	10.0	15.2	31.2	36.8	38.0	26.5	18.8	18.9	28.7	33.4	33.4
Missiles	4.1	3.8	6.5	11.3	11.4	12.6	11.2	7.1	8.1	10.4	10.4	11.1
Space	4.7	4.7	7.9	16.3	18.6	20.5	12.9	8.8	9.9	15.0	16.9	18.0
Related products and services [4]	2.6	4.8	8.8	13.9	16.1	17.2	7.1	9.1	10.9	12.8	14.6	15.2
CUSTOMER GROUP												
Aerospace, total	22.9	24.9	45.9	69.6	80.5	86.3	62.6	47.0	57.1	63.9	73.2	76.0
DOD [5]	14.6	13.1	22.8	46.0	53.2	58.4	39.9	24.8	28.4	42.3	48.4	51.5
NASA [6] and other agencies	3.0	2.8	4.1	6.1	6.3	6.6	8.2	5.3	5.1	5.6	5.7	5.8
Other customers [7]	5.3	8.9	19.0	17.5	21.0	21.3	14.5	16.9	23.6	16.1	19.1	18.7
Related products and services [4]	2.6	4.8	8.8	13.9	16.1	17.2	7.1	9.1	10.9	12.8	14.6	15.2

[1] Preliminary. [2] Based on aerospace composite price deflator supplied by the U.S. International Trade Administration. [3] All civil sales of aircraft (domestic and export sales of jet transports, commuters, business and personal aircraft and helicopters). [4] Electronics, software, and ground support equipment, plus sales of non-aerospace products which are produced by aerospace-manufacturing establishments and which use technology, processes, and materials derived from aerospace products. [5] Department of Defense. [6] National Aeronautics and Space Administration. [7] Includes civil aircraft sales (see footnote 3), commercial space sales, all exports of military aircraft and missiles and related propulsion and parts.

Source: Aerospace Industries Association of America, Inc., Washington, DC, *Aerospace Facts and Figures, 1987/88*.

No. 1034. U.S. Exports of Aerospace Vehicles and Equipment: 1980 to 1987

ITEM	NUMBER OF UNITS					VALUE (mil. dol.)				
	1980	1984	1985	1986	1987 [1]	1980	1984	1985	1986	1987 [1]
Aerospace vehicles and equipment, total	(NA)	(NA)	(NA)	(NA)	(NA)	15,681	15,081	16,726	19,727	20,265
Civil aircraft, total	4,434	1,045	1,050	1,326	1,197	8,378	4,147	6,694	7,365	6,960
Under 10,000 lbs. empty weight, new	3,150	407	465	428	490	657	146	147	174	170
10,000–33,000 lbs. empty weight, new	28	16	38	25	25	83	97	94	89	50
Over 33,000 lbs. empty weight, new	237	85	152	158	152	8,849	3,220	5,518	6,276	5,800
Rotary wing, new	525	233	137	210	210	299	234	210	277	360
Other new aircraft, n.e.c. [2]	(NA)	(NA)	(NA)	(NA)	(NA)	5	157	442	66	180
Used, rebuilt, and converted	494	304	277	494	320	486	293	333	501	400
Military aircraft, total	502	381	322	405	325	949	1,581	2,012	1,502	1,550
Aircraft engines and parts, total	(NA)	(NA)	(NA)	(NA)	(NA)	1,887	2,984	3,283	3,660	3,945
Internal combustion and parts	(NA)	(NA)	(NA)	(NA)	(NA)	270	269	303	325	325
Military, new and used	110	90	72	144	65	4	16	2	3	6
Non-military, new	1,848	995	984	1,060	1,020	25	16	20	21	18
Non-military, used	1,365	1,196	1,402	1,415	1,200	17	20	24	21	21
Parts, n.e.c. [2]	(NA)	(NA)	(NA)	(NA)	(NA)	224	217	257	280	280
Turbines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	1,616	2,715	2,980	3,335	3,620
Military, new or used	254	308	244	135	200	59	125	144	108	150
Non-military, new and used	1,392	1,264	2,317	1,342	1,400	514	1,021	880	944	1,070
Parts, n.e.c. [2]	(NA)	(NA)	(NA)	(NA)	(NA)	1,044	1,569	1,956	2,283	2,400
Missile engines and parts	(NA)	(NA)	(NA)	(NA)	(NA)	29	28	34	33	40
Propellers and parts	(NA)	(NA)	(NA)	(NA)	(NA)	57	37	55	49	70
Landing gear and parts	(NA)	(NA)	(NA)	(NA)	(NA)	92	124	102	127	130
Aircraft parts and accessories, n.e.c. [2]	(NA)	(NA)	(NA)	(NA)	(NA)	3,436	4,931	5,449	5,960	6,300
Guided missiles and space vehicles	(NA)	(NA)	(NA)	(NA)	(NA)	327	286	404	303	440
Flight simulators	(NA)	(NA)	(NA)	(NA)	(NA)	54	117	82	126	140
Space vehicle equipment, n.e.c. [2]	(NA)	(NA)	(NA)	(NA)	(NA)	392	646	387	322	400
Avionics	(NA)	(NA)	(NA)	(NA)	(NA)	80	198	224	280	310

NA Not available. [1] Forecast. [2] N.e.c. means not elsewhere classified.

Source: U.S. Dept. of Commerce, International Trade Administration, *U.S. Industrial Outlook*, annual.

Digitized by Google

No. 1035. U.S. Receipts and Payments for International Transportation: 1970 to 1986

[**In millions of dollars.** Data are international transportation transactions recorded for balance of payment purposes (see table 1329). Receipts include freight on exports carried by U.S.-operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (–) indicates excess of payments over receipts. See *Historical Statistics, Colonial Times to 1970*, series U 3 and U 10, for totals]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total receipts	**3,669**	**6,879**	**12,127**	**14,208**	**15,671**	**15,491**	**15,627**	**16,837**	**17,106**	**18,752**
Ocean transportation	2,256	4,065	6,868	7,757	8,028	7,685	8,133	6,849	6,819	9,395
Export freight earnings	604	1,183	2,091	2,641	2,803	2,549	2,881	2,702	2,866	2,609
Freight earnings on shipments between foreign countries	209	328	480	588	561	555	575	563	574	576
Port expenditures	1,406	2,481	4,235	4,435	4,552	4,468	4,562	5,457	5,247	6,070
Charter hire	37	73	62	93	112	113	115	127	132	140
Air transportation	1,240	2,515	4,611	5,946	7,160	7,326	7,023	7,473	7,806	8,495
Export freight earnings	187	390	577	742	752	762	576	645	706	783
Passenger fares	541	1,039	2,156	2,591	3,111	3,174	3,037	3,028	3,040	3,562
Port expenditures	512	1,086	2,076	2,613	3,297	3,390	3,410	3,800	4,060	4,150
Other transportation	173	299	448	505	483	480	471	515	481	862
Total payments	**4,058**	**7,971**	**14,090**	**15,397**	**16,981**	**16,482**	**17,706**	**21,345**	**23,165**	**23,941**
Ocean transportation	2,380	4,465	6,379	8,447	8,900	8,307	8,624	10,560	11,210	11,960
Import freight payments	1,444	3,047	6,084	5,809	6,073	5,562	5,827	7,755	8,306	9,076
Passenger fares	245	278	258	268	287	290	305	305	320	320
Port expenditures	316	755	1,607	1,905	2,054	1,957	1,980	1,972	2,048	2,026
Charter hire	375	385	430	465	486	498	512	528	536	538
Air transportation	1,581	3,346	5,448	6,705	7,785	7,938	8,842	10,542	11,729	11,681
Import freight payments	115	246	508	562	671	725	1,066	1,633	1,683	2,059
Passenger fares	970	1,985	2,926	3,339	4,200	4,482	5,179	6,197	6,993	6,522
Port expenditures	496	1,115	2,016	2,804	2,914	2,731	2,597	2,712	3,053	3,100
Other transportation	97	160	263	245	276	237	240	243	226	300
Receipts balance	**–389**	**–1,092**	**–1,963**	**–1,189**	**–1,290**	**–991**	**–2,079**	**–4,508**	**–6,059**	**–5,189**

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June issues, and unpublished data.

No. 1036. Exports and Imports, by Method of Transport: 1970 to 1986

[Exports are free alongside ship (f.a.s.) value (see text, section 29) for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years. Export data include both domestic and foreign; import data for general imports only. For details, see source]

ITEM	Unit	EXPORTS						IMPORTS					
		1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
All methods [1]	Bil. dol.	43.2	107.6	220.7	217.9	213.1	217.3	40.0	96.9	240.6	325.7	345.3	370.0
Vessel	Bil. dol.	24.6	63.4	120.9	102.0	91.7	90.1	24.8	63.5	165.1	193.0	208.4	221.6
Air	Bil. dol.	6.1	15.2	46.1	53.4	52.3	63.4	3.4	8.9	26.0	52.3	51.3	62.0
Shipping weight: Vessel	Bil. lb.	480.5	538.5	801.6	750.0	700.5	653.3	598.4	655.3	976.6	632.2	797.0	914.2
Air	Bil. lb.	.9	1.4	2.3	2.2	1.8	2.1	.6	1.1	1.3	3.1	2.9	2.8

[1] Includes types other than vessel and air.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1037. Federal Expenditures for Civil Functions of the Corps of Engineers, United States Army: 1960 to 1986

[**In millions of dollars. For fiscal years ending in year shown,** see text, section 9. These expenditures represent the work of the Corps of Engineers to plan, design, construct, operate, and maintain civil works projects and activities, particularly in the management and improvement of rivers, harbors, and waterways for navigation, flood control, and multiple purposes. The amounts listed below do not include the expenditure of funds contributed, advanced, or reimbursed by other government agencies or local interests. Includes Puerto Rico and outlying areas]

FISCAL YEAR	Total program [1]	Navigation	Flood control	Multiple purpose	FISCAL YEAR	Total program [1]	Navigation	Flood control	Multiple purpose
1960	873	310	293	270	1980	3,061	1,225	1,226	551
1965	1,169	426	447	283	1981	3,198	1,339	1,273	527
1970	1,128	398	379	331	1982	2,940	1,331	1,083	453
1975	2,070	694	904	439	1983	2,959	1,290	1,088	482
1977	2,340	792	918	594	1984	3,085	1,383	1,154	445
1978	2,645	951	1,069	583	1985	2,956	1,234	1,167	419
1979	2,934	1,083	1,218	577	1986	3,163	1,266	1,377	401

[1] Includes expenditures which are not associated with a specific purpose (e.g., headquarters staff supervision, management, and administration activities, and some research and development activities).

Source: U.S. Army Corps of Engineers, *Report of Civil Works Expenditures by State and Fiscal Year*, annual.

Digitized by Google

No. 1038. Freight Carried on Inland Waterways, by System: 1960 to 1985

[**In billions of ton-miles.** Excludes Alaska and Hawaii, except as noted. Includes waterways, canals, and connecting channels]

System	1960	1970	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	**220.3**	**318.6**	**372.9**	**368.3**	**409.3**	**424.6**	**406.9**	**410.2**	**351.2**	**369.0**	**399.0**	**381.7**
Atlantic coast waterways	28.6	28.8	32.1	30.4	30.5	31.9	30.4	26.3	25.4	22.5	24.7	24.8
Gulf coast waterways	16.9	26.8	34.3	37.6	37.1	38.1	36.8	35.1	31.8	32.4	36.7	36.5
Pacific coast waterways [1]	6.0	8.4	11.3	12.8	13.6	14.1	14.9	14.4	12.8	13.2	20.5	19.9
Mississippi River system [2]	99.3	138.5	189.5	196.9	209.3	218.8	228.9	234.4	218.0	223.0	234.8	224.7
Great Lakes System [3]	99.5	114.5	105.6	90.7	118.9	121.7	96.0	98.0	63.2	67.9	82.5	75.8

[1] Includes Alaskan waterways. [2] Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers. [3] Does not include traffic between foreign ports.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

No. 1039. Waterborne Imports and Exports—Cargo Tonnage and Value, by Coastal District: 1970 to 1986

[Exports are free alongside ship (f.a.s.) value for all years; imports are f.a.s. value for 1975 and 1980 and customs value for other years see text, section 29. Includes commodities classified for security reasons as "Special Category" (exports only) and exports by Dept. of Defense (grant-aid shipments), and merchandise shipped in transit through the U.S. See Appendix III]

District	Cargo tonnage (mil. sh. tons)							Value (bil. dol.)						
	1970	1975	1980	1983	1984	1985	1986	1970	1975	1980	1983	1984	1985	1986
Imports:														
Atlantic	219	232	183	171	197	190	218	15.0	34.7	71.5	75.5	92.8	94.4	97.5
Gulf	47	134	243	140	155	141	171	2.9	14.3	56.4	32.5	35.7	32.8	27.0
Pacific	31	64	56	44	47	51	53	5.5	15.2	45.0	53.9	70.8	90.4	104.0
Great Lakes	26	22	18	16	18	17	14	1.3	1.7	1.9	2.0	2.7	2.8	2.3
Exports:														
Atlantic	79	80	117	87	82	93	83	11.9	28.7	51.0	41.2	37.5	35.2	36.3
Gulf	78	106	163	164	167	144	135	8.9	21.4	41.5	36.0	37.3	31.8	29.0
Pacific	48	49	78	78	86	81	82	4.1	10.0	25.2	25.1	27.2	25.8	26.3
Great Lakes	36	35	45	32	41	34	32	1.4	2.8	4.8	2.8	3.4	2.4	1.0

Source: U.S. Bureau of the Census, *U.S. Waterborne Exports and General Imports*, FT 985, annual.

No. 1040. Domestic and Foreign Waterborne Commerce, by Type of Commodity: 1970 to 1985

[**In millions of short tons.** Domestic trade includes all commercial movements between U.S. ports and on inland rivers, Great Lakes, canals, and connecting channels of U.S., Puerto Rico, and Virgin Islands. Figures may differ from those shown in table 1039 due to minor differences in basic concepts]

Commodity	1970		1975		1980		1985			
	Total	Domestic	Total	Domestic	Total	Domestic	Total	Domestic	Foreign	
									Imports	Exports
Net total	**1,531.7**	**950.7**	**1,895.0**	**946.3**	**1,998.9**	**1,077.5**	**1,788.4**	**1,014.1**	**412.7**	**361.6**
Petroleum products [1]	394.7	287.3	407.6	328.5	423.2	339.2	368.8	259.0	74.1	35.7
Gasoline	89.3	88.7	95.7	92.2	87.3	81.0	94.0	78.0	15.2	.8
Distillate fuel oil	78.8	76.9	90.4	87.0	74.8	72.1	70.0	55.0	11.0	4.0
Residual fuel oil	170.5	78.8	172.1	111.5	186.0	141.3	130.0	83.7	33.7	12.6
Crude petroleum	210.5	118.3	333.8	77.9	480.2	174.2	357.7	194.7	163.0	-
Coal and lignite	225.4	154.1	219.0	152.8	256.4	164.1	273.9	179.9	1.7	92.3
Nonmetallic minerals [1] [2]	166.6	132.6	159.2	123.3	157.1	111.6	150.7	108.5	22.8	19.4
Sand and gravel [3]	78.4	73.9	72.4	67.9	65.1	60.8	66.4	62.0	2.7	1.7
Limestone	42.0	34.1	37.8	29.1	34.2	23.9	24.5	21.9	.5	2.1
Phosphate rock	16.6	5.8	20.1	9.4	23.7	9.5	19.4	8.4	.1	10.9
Iron and concentrates	129.3	75.2	121.4	89.3	98.4	64.9	72.7	50.0	17.1	5.8
Farm products [1]	90.4	28.5	144.3	43.1	216.8	63.4	172.8	60.0	6.7	106.1
Corn	27.2	11.7	56.8	20.8	98.8	30.8	76.3	29.0	.1	47.2
Wheat	25.0	5.8	44.4	10.4	53.4	14.3	38.0	10.6	.1	27.3
Soybeans	21.2	8.3	23.2	9.4	39.8	18.1	32.9	14.9	-	18.0
Chemicals and allied products	62.0	39.7	66.5	40.0	91.9	49.4	108.5	53.3	25.2	30.0
Food and kindred products	35.0	11.0	35.5	13.3	54.8	20.4	52.5	17.6	14.5	20.4
Lumber and wood products [4]	49.9	27.3	48.2	24.7	52.0	22.7	47.2	18.8	4.8	23.8
Primary metal products	42.4	10.8	38.1	9.3	28.9	9.0	33.4	8.5	23.6	1.3
Waste and scrap	25.9	16.0	28.0	18.8	31.1	18.8	37.4	23.9	.4	13.1
Other	99.7	51.9	93.5	45.5	108.1	39.8	112.8	40.0	58.9	13.9

– Represents zero. [1] Includes categories not shown separately. [2] Excludes fuels. [3] Includes crushed rock. [4] Excludes furniture.

Source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*, annual.

Digitized by Google

No. 1041. Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage, by Flag of Carrier Vessel: 1961 to 1986

[In millions of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Seaports comprise all ports except Great Lakes ports. See also *Historical Statistics, Colonial Times to 1970*, series Q 507–517]

Yearly average or year	All ports					Seaports					
	Number of vessels	Tonnage, all vessels				Tonnage, all vessels			Tonnage, with cargo		
		Total	U.S.	Percent U.S.	Foreign	Total	U.S.	Foreign	Total	U.S.	Foreign
Entered:											
1961–1965	49,670	188	33	17.9	155	166	30	136	128	19	109
1966–1970	53,459	232	29	12.5	203	206	27	180	157	18	139
1971–1975	53,760	319	30	9.5	290	292	28	264	220	24	196
1976–1980	53,700	458	40	8.7	418	425	38	387	316	30	286
1981–1985	50,124	452	57	12.4	395	424	55	369	277	36	241
1970	53,293	254	26	10.3	228	227	24	202	171	19	152
1975	51,443	355	32	9.9	323	326	30	297	240	26	215
1980	53,645	492	52	10.6	440	460	50	410	310	34	276
1983	47,144	442	62	14.0	380	416	60	355	262	39	223
1984	49,239	459	53	11.5	406	429	51	378	291	33	258
1985	53,531	451	53	11.7	398	426	52	374	283	34	249
1986	56,859	489	49	10.0	439	463	48	415	310	32	279
Cleared:											
1961–1965	48,098	189	34	17.9	155	168	30	137	96	20	76
1966–1970	52,415	232	30	12.8	202	206	27	179	122	23	99
1971–1975	53,039	324	31	9.9	293	296	29	267	149	21	127
1976–1980	52,931	453	41	9.1	412	420	38	382	203	26	177
1981–1985	50,291	460	57	12.4	403	432	55	377	251	34	217
1970	52,195	253	27	10.6	226	226	25	201	132	20	112
1975	51,017	363	34	10.3	329	334	31	303	168	23	144
1980	52,928	487	54	11.1	433	456	51	405	246	33	213
1983	47,499	449	62	13.8	387	423	60	363	247	36	211
1984	49,819	468	54	11.5	414	438	51	387	250	32	218
1985	53,095	461	55	11.9	406	435	53	382	253	36	217
1986	55,710	491	51	10.4	441	466	49	417	248	33	212

Source: U.S. Bureau of the Census, through 1965, *Foreign Commerce and Navigation of the United States*; thereafter, *Vessel Entrances and Clearances*, FT 975, annual.

No. 1042. Vessels Entered and Cleared in Foreign Trade—Net Registered Tonnage, by Coastal Districts: 1970 to 1986

[In millions of net tons. Excludes domestic trade. Virgin Islands and Puerto Rico included in South Atlantic Coast, Hawaii in South Pacific Coast, Alaska in North Pacific Coast]

Coastal district	Vessels entered						Vessels cleared					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
North Atlantic Coast	102.1	114.2	118.6	116.2	114.5	121.4	99.9	116.6	115.2	107.0	110.8	116.7
With cargo	85.4	92.3	82.1	93.4	85.9	89.9	43.7	50.6	57.8	47.1	52.7	47.8
South Atlantic Coast	36.1	48.0	65.3	63.8	68.2	77.6	31.3	46.0	60.1	62.7	63.3	76.3
With cargo	27.1	33.8	41.9	42.7	44.3	44.0	11.9	14.3	22.4	24.6	25.6	25.9
Gulf Coast	36.1	89.1	172.7	136.5	127.4	146.6	42.8	96.1	175.0	144.6	134.9	153.1
With cargo	23.0	60.8	122.8	91.5	84.6	103.1	36.8	54.2	85.0	79.1	73.5	73.4
South Pacific Coast	27.5	38.4	53.3	60.9	65.4	66.1	27.7	41.2	45.1	58.8	59.4	60.6
With cargo	21.8	32.4	36.0	41.0	44.0	45.2	20.9	24.0	31.7	44.9	45.0	44.3
North Pacific Coast	24.9	36.8	50.6	49.5	50.0	51.4	24.3	33.8	60.3	64.8	66.7	65.8
With cargo	13.6	21.1	26.6	22.1	23.7	27.8	19.0	24.5	49.0	54.7	56.0	54.1
Great Lakes	27.5	28.8	31.1	30.1	26.3	25.4	27.2	29.4	31.5	30.0	26.1	25.1
With cargo	15.2	14.0	11.3	13.5	11.6	11.7	20.2	21.2	23.7	23.1	20.7	19.6

Source: U.S. Bureau of the Census, *Vessel Entrances and Clearances*, FT 975, annual.

No. 1043. Domestic Merchant Vessels Completed by U.S. Shipyards: 1970 to 1985

[Vessels of 1,000 gross tons and over. See also *Historical Statistics, Colonial Times to 1970*, series Q 438–448]

Type	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Merchant vessels	Number	13	15	16	17	14	15	10	12	11	13	5	6
Gross tons	1,000	342	452	615	864	912	1,149	375	275	337	376	118	172
Cargo	Number	6	3	4	2	2	4	6	2	6	6	–	4
Gross tons	1,000	120	65	57	25	27	53	105	53	221	228	–	113
Deadweight tons	1,000	134	71	76	37	30	47	114	73	219	219	–	97
Tankers	Number	7	12	12	15	12	11	4	10	5	7	5	4
Gross tons	1,000	222	387	558	859	885	1,096	270	222	116	148	118	59
Deadweight tons	1,000	427	742	1,176	1,585	1,392	1,901	354	358	226	277	210	90

– Represents zero.

Source: U.S. Maritime Administration, *New Ship Construction*, annual.

Digitized by Google

No. 1044. United States Flag Merchant Vessels—Number and Vessel Deadweight Tonnage: 1970 to 1986

[**Deadweight tonnage in thousands.** As of **end of fiscal year**; see text, section 9. Covers oceangoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types such as tugs, barges, cable ships, fishing trawlers, and vessels employed on Great Lakes. See also *Historical Statistics, Colonial Times to 1970*, series Q 487-502]

ITEM	CARGO [1]						TANKER					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Number of vessels	1,479	612	553	477	485	484	301	279	310	272	263	254
Active:												
Foreign trade	354	226	195	122	129	123	32	39	32	38	32	33
Domestic trade [2]	70	49	46	41	36	37	175	156	211	142	135	131
Coastwise	10	17	12	5	4	5	132	136	103	25	24	43
Noncontiguous	43	29	34	30	30	29	35	12	45	47	52	43
Special service	146	34	44	38	45	41	42	26	23	27	26	26
Inactive:												
Temporarily	41	38	31	62	58	55	22	31	24	51	50	42
Reserve fleet	868	263	237	214	217	228	30	27	20	14	20	22
Vessel deadweight tonnage	15,445	8,175	7,872	7,876	8,792	9,106	7,835	9,433	16,107	16,089	15,647	15,393
Active:												
Foreign trade	4,699	3,901	3,826	3,108	3,623	3,468	1,076	2,303	2,793	2,324	1,825	2,007
Domestic trade [2]	850	832	713	813	659	775	4,516	4,855	10,546	6,793	8,909	6,699
Coastwise	116	354	200	148	108	153	3,483	4,299	3,078	1,170	1,028	1,838
Noncontiguous	482	424	479	481	509	549	870	339	3,699	4,783	5,534	5,068
Special service	1,741	459	560	587	932	860	1,189	755	661	834	747	745
Inactive:												
Temporarily	472	541	451	1,023	1,169	1,204	691	1,173	1,806	3,823	3,758	3,474
Reserve fleet	7,684	2,442	2,322	2,345	2,409	2,799	361	347	301	315	406	468

[1] Includes combination passenger and cargo vessels, not shown separately. [2] Includes intercoastal, not shown separately.

Source: U.S. Maritime Administration, *Employment Report of the United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over*, annual.

No. 1045. Private Shipyards—Summary: 1970 to 1987

[**For calendar year, unless noted.** See also *Historical Statistics, Colonial Times to 1970*, series Q 449–458 and series Q 467–472]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Employment	1,000	133.4	166.9	177.3	178.9	166.9	143.0	142.0	130.3	127.2	[1] 123.0
Production workers	1,000	108.5	133.4	141.6	142.2	130.8	112.0	111.0	99.0	96.8	93.7
Value of work done	Mil. dol	2,662	5,615	9,269	11,001	10,979	9,863	8,944	9,358	(NA)	(NA)
On ships only	Mil. dol	2,594	5,513	8,889	10,690	10,655	9,107	8,308	9,483	(NA)	(NA)
Value added	Mil. dol	1,616	2,923	5,338	6,304	6,386	5,752	5,206	5,740	(NA)	(NA)
Building activity:											
Merchant vessels: [2]											
Under construction [3]	Number	49	96	69	49	35	21	10	10	7	6
Ordered	Number	13	14	7	9	3	4	5	–	–	(NA)
Delivered	Number	13	19	23	22	17	15	5	3	1	(NA)
Cancelled	Number	–	12	4	1	–	–	–	–	–	(NA)
Under contract [4]	Number	49	79	49	35	21	10	10	7	6	(NA)
Naval vessels: [5]											
Under construction [3]	Number	108	63	99	91	93	105	111	100	85	79
Ordered	Number	6	16	11	28	30	27	11	11	16	(NA)
Delivered	Number	32	3	19	26	18	21	22	26	20	(NA)
Under contract [4]	Number	82	76	91	93	105	111	100	85	[6] 79	(NA)
Repairs/conversions:											
Commercial ships	Mil. dol	431	688	1,335	1,566	1,592	1,003	913	1,179	(NA)	(NA)
Naval ships	Mil. dol	359	554	1,134	1,251	1,571	1,819	1,909	2,176	(NA)	(NA)
Unfinished work: [7]											
Commercial ships	Mil. dol	765	4,350	2,070	1,000	838	372	100	450	315	53
Naval ships	Mil. dol	1,719	5,424	7,107	6,760	8,025	12,200	14,003	12,091	9,595	8,265

– Represents zero. NA Not available. [1] Estimate as of June. [2] Vessels of 1,000 tons or larger. [3] As of Jan. 1. [4] As of Dec. 31. [5] Two ships were cancelled during 1986.

Source: Shipbuilders Council of America, Washington, DC, *Annual Report*.

Digitized by Google

No. 1046. Employees in Government and Private Shipyards: 1960 to 1986

[**In thousands.** Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power, or towed by other craft; includes all full- and part-time employees]

YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards	YEAR	Total	Private yards	Navy yards
1960	206	112	96	1977	242	174	68	1982	252	172	80
1970	218	134	83	1978	243	172	71	1983	227	143	84
1974	225	161	64	1979	244	173	71	1984	229	146	83
1975	217	154	65	1980	251	178	73	1985	219	138	80
1976	233	168	65	1981	264	187	77	1986	207	132	75

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

No. 1047. Employment on U.S. Flag Merchant Vessels, 1970 to 1985, and Basic Monthly (January) Wage Scale for Ablebodied Seamen, 1970 to 1987

[**Employment in thousands.** See also *Historical Statistics, Colonial Times to 1970*, series Q 414–416]

YEAR	Employment [1]	YEAR	Employment [1]	YEAR	East coast wage rate [2]	West coast wage rate [2]	YEAR	East coast wage rate [2]	West coast wage rate [2]
1970	37.8	1981	18.3	1970	$470	$652	1981	$1,120	$1,535
1975	20.5	1982	16.7	1975	612	900	1982	1,204	1,686
1978	19.9	1983	15.3	1977	737	1,072	1983	1,320	1,862
1979	19.7	1984	13.7	1978	804	1,172	1984	1,419	2,029
1980	19.8	1985	13.1	1979	865	1,267	1985	1,419	2,069
				1980	967	1,414	1986	1,419	2,132
							1987	1,419	2,132

[1] As of June 30, except beginning 1978, as of Sept. 30. Estimates of personnel employed on merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, U.S. Army and Navy, and special types such as cable ships, tugs, etc. [2] Basic monthly wage, over and above subsistence (board and room); excludes overtime and fringe pay benefits. West coast incorporates extra pay for Saturdays and Sundays at sea into base wages but east coast does not.

Source: U.S. Maritime Administration, *U.S. Merchant Marine Data Sheet*, monthly and unpublished data.

No. 1048. Worldwide Tanker Casualties: 1975 to 1987

[Data for 1975–1982 covers tankers, ore/oil carriers and bulk/oil vessels of 6,000 deadweight tons and over; beginning 1983, 10,000 deadweight tons and over; excludes liquid gas carriers. Incident is counted in the year it is reported. Based on data from "Lloyd's List" published by Lloyd's of London. "Casualties" include weather damage, strandings, collisions and other contact, fires and explosions, machinery damage, and other mishaps]

ITEM	Unit	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987 [1]
Casualties	Number	906	685	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	340	451	127
Total losses [2]	Number	22	17	26	15	21	21	11	14	12	8	2
Deaths	Number	90	148	306	132	73	72	14	68	53	23	3
Oil spills	Number	45	35	65	32	33	9	17	15	9	8	6
Amount	1,000 tons	188.0	260.5	723.5	135.6	45.3	1.8	387.8	22.4	79.8	5.0	3.2

NA Not available. [1] Jan.–March. [2] Excludes losses due to hostilities.

Source: Tanker Advisory Center, Inc., New York, NY, "Worldwide Tanker Casualty Returns," quarterly.

No. 1049. Merchant Vessels—World and United States: 1960 to 1986

[**Vessels of 100 gross tonnage and above.** Excludes sailing ships, nonpropelled craft, and all ships built of wood. See also *Historical Statistics, Colonial Times to 1970*, series Q 473–480]

YEAR	WORLD: COMPLETED		WORLD: OWNED		U.S.: COMPLETED		U.S.: REGISTERED	
	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)	Number	Gross tonnage (1,000)
1960	2,005	8,382	36,311	129,770	49	379	4,059	24,837
1965	2,202	11,763	41,865	160,392	116	218	3,416	21,527
1970	2,814	20,980	52,444	227,490	156	375	2,983	18,483
1980	2,412	13,101	73,832	419,911	205	555	5,579	18,464
1982	2,312	16,820	75,151	424,742	204	216	6,133	19,111
1983	2,276	15,911	76,106	422,590	159	381	6,437	19,358
1984	2,210	18,334	78,068	418,682	73	84	6,441	19,290
1985	1,964	18,157	76,395	416,269	66	180	6,447	19,518
1986	1,634	16,845	75,266	404,910	36	223	6,496	19,901

Source: Lloyd's Register of Shipping, London, England, *Statistical Tables*, annual, and *Annual Summary of Merchant Ships Completed in the World*.

Digitized by Google

NO. 1050. MERCHANT VESSELS—SHIPS AND TONNAGE LOST WORLDWIDE, BY TYPE OF SHIP: 1980 TO 1985

[**For merchant vessels of 100 gross tonnage and above.** Excludes ships which have been declared constructive losses but have undergone repair during the year. Loss counted in the year the casualty occurred, providing that information available at time of relevant publication]

TYPE OF SHIP	SHIPS LOST					GROSS TONNAGE LOST (1,000)				
	1980	1983	1984	1985		1980	1983	1984	1985	
				Total	Percent of total				Total	Percent of total
Total [1]	**387**	**340**	**327**	**307**	**100.0**	**1,804**	**1,473**	**2,354**	**1,851**	**100.0**
Tankers	24	18	25	19	6.2	707	487	1,542	776	47.0
Ore/bulk carriers [2]	21	26	17	22	7.2	458	410	271	405	24.5
General cargo	211	191	178	155	50.5	478	511	401	363	22.0
Container ships	2	1	3	5	1.6	6	7	34	41	2.5
Passenger [3]	9	2	2	-	-	112	5	17	-	-
Fishing	96	71	73	66	21.5	30	21	33	26	1.6

- Represents zero. [1] Includes types not shown separately. [2] Includes ore/bulk/oil carriers. [3] Includes passenger cargo ships.

Source: Lloyd's Register of Shipping, London, England, *Casualty Return*, annual.

NO. 1051. MERCHANT FLEETS OF THE WORLD: 1975 TO 1985

[**Vessels of 1,000 gross tons and over. 1975** as of **Dec. 31.** Beginning **1980,** as of **Jan. 1** of the following year. Specified countries have 100 or more ships]

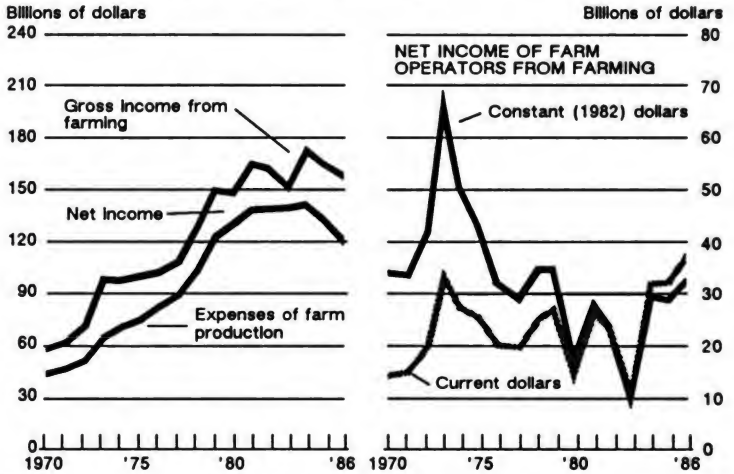
YEAR AND COUNTRY OF REGISTRY, **1985**	TOTAL		PASSENGER/ CARGO COMB.		FREIGHTERS		BULK CARRIERS [1]		TANKERS	
	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number	Avg. age (yr.)	Number	Avg. age (yr.)
1975, world total	**22,872**	**12**	**714**	**21**	**12,575**	**13**	**4,272**	**9**	**5,311**	**11**
United States	857	21	60	29	511	21	19	25	267	19
Foreign	22,015	12	654	21	12,064	13	4,253	9	5,044	11
1980, world total	**24,867**	**13**	**488**	**24**	**14,242**	**14**	**4,798**	**10**	**5,359**	**12**
United States	864	23	65	34	471	23	20	22	308	20
Foreign	24,003	13	403	22	13,771	13	4,778	10	5,051	11
1985, world total	**25,555**	**14**	**375**	**25**	**13,937**	**15**	**5,787**	**11**	**5,456**	**13**
United States	737	23	37	38	417	25	25	9	258	19
Privately owned	477	17	8	29	209	17	25	9	235	17
Government-owned	260	34	29	40	208	33	-	(x)	23	35
Foreign	24,818	14	338	23	13,520	15	5,762	11	5,198	13
Argentina	187	19	1	35	99	17	20	18	67	21
Bahamas, The	129	11	11	18	40	10	20	10	58	10
Brazil	345	14	3	25	169	17	90	7	83	14
British Colonies	450	12	2	24	196	15	204	10	48	12
Bulgaria	117	14	4	12	51	15	45	12	17	18
China: Mainland	1,025	17	14	24	692	18	180	13	139	16
Taiwan	214	13	1	15	127	13	66	12	18	13
Cuba	103	16	2	29	79	16	9	16	13	14
Cyprus	716	18	6	26	451	19	168	16	91	14
Denmark	255	8	4	17	159	8	13	8	79	9
East Germany	161	15	3	23	133	14	21	19	4	7
Egypt	129	15	10	16	94	15	14	14	11	12
Finland	120	11	3	11	58	12	27	9	32	10
France	268	12	6	9	136	11	36	10	86	13
Greece	1,835	17	33	31	733	19	760	13	309	18
Honduras	109	25	1	24	79	26	7	27	22	16
India	358	14	5	21	180	16	116	13	57	8
Indonesia	330	17	9	18	229	19	12	8	80	14
Iran	108	12	-	-	42	14	46	9	20	13
Italy	569	18	10	28	230	18	102	17	227	19
Japan	1,604	8	6	11	633	8	497	9	468	8
Lebanon	113	25	-	-	99	25	12	20	2	30
Liberia	1,852	12	8	18	886	12	784	11	694	12
Malaysia	183	15	2	36	125	17	23	10	33	11
Malta	191	21	2	53	122	22	58	20	9	18
Netherlands	464	9	4	9	363	8	28	7	69	11
Norway	424	10	22	19	130	9	90	8	182	10
Panama	3,620	13	35	31	2,068	15	952	11	565	12
Philippines	399	14	13	25	193	16	153	9	40	22
Poland	285	14	2	22	184	14	90	12	9	11
Romania	268	10	1	48	194	10	64	9	9	11
Saudi Arabia	164	19	3	25	78	22	18	16	65	17
Singapore	480	14	2	30	298	16	83	10	97	13
South Korea	487	14	-	-	240	15	176	12	71	13
Soviet Union	2,514	15	52	18	1,793	15	221	14	448	14
Spain	489	11	1	57	308	10	79	11	101	13
Sweden	206	11	2	23	116	10	20	12	68	11
Thailand	108	21	-	-	80	21	2	18	26	20
Turkey	322	13	6	32	203	12	58	14	55	14
United Kingdom	541	12	12	17	206	12	96	10	227	13
West Germany	526	7	5	7	414	6	23	7	86	8
Yugoslavia	263	17	4	24	186	18	63	14	10	17
All others	1,785	14	28	23	1,122	15	232	11	403	13

- Represents zero. x Not applicable. [1] Includes bulk/oil, ore/oil, and ore/bulk/oil carriers.

Source: U.S. Maritime Administration, *A Statistical Analysis of the World's Merchant Fleets*, annual.

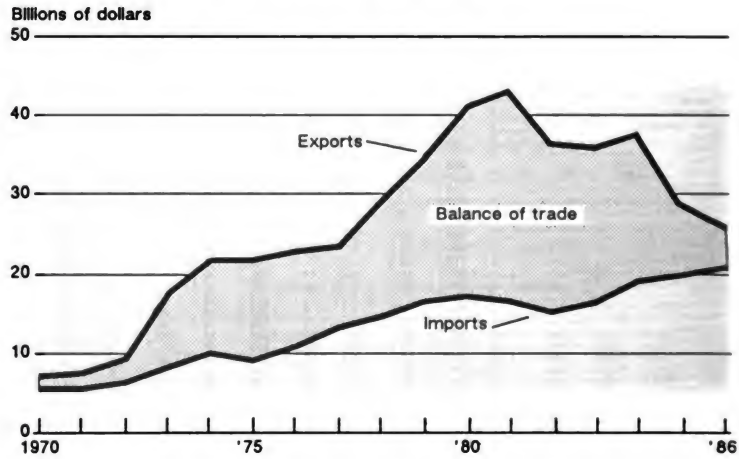
Digitized by Google

Figure 23.1
Farm Income and Expenses: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1074.

Figure 23.2
Agricultural Exports and Imports: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1096.

Digitized by Google



Section **23**

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketings; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources are the reports issued by the U.S. Bureau of the Census and by the National Agricultural Statistics Service (NASS) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with other economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics*, a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector*. This series comprises five reports: *National Financial Summary, State Financial Summary, Production and Efficiency Statistics, Costs of Production,* and *Farm Sector Review*. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States*, published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country,* and *U.S. Exports, Schedule B, Commodity by Country.*

The 44 field offices of the NASS collect data on crops, livestock and products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Agricultural Statistics Board of NASS which reviews the estimates and issues reports containing State and national data. Among these reports are two annual summaries, *Crop Production* and *Crop Values*.

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the 1974, 1978, and 1982 Censuses of Agriculture, a farm was defined as any place from which $1,000 or more of agricultural products were sold, or would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm. The effect of the change in definition must be considered when comparing farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1969 census, as well as the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least $250, and places of 10 or more acres if such sales amounted to at least $50.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Farmland refers to all land under the control of a farm operator, including land not actually under cultivation or not used for pasture or grazing. Land used for pasture or grazing on a per head basis but as neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

Acreage totals for 1982 are not directly comparable with totals for 1978 or earlier censuses because of changes in data collection procedures. Coverage estimates for 1978 and 1982 indicate about 3.4 and 1 percent of all farms, respectively, were not included in census totals. Farms undercounted by the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent of the land in farms. For more explanation

Digitized by Google

about data comparability, see Appendixes A and C, *1982 Census of Agriculture,* volume I reports and *Coverage Evaluation, Volume 2, Part 2.*

Farm population.—Farm population consists of all persons living on farms in rural areas. Farm population data shown for 1960 to 1975 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the basis of both the 1969 and 1974 census farm definitions and are so indicated. Beginning 1984, farm population data are based only on the 1974 census farm definition.

Irrigation.—Irrigated land is defined by the Bureau of the Census as the acreage in farms to which water is artificially applied during the census year. The Bureau of the Census also collects data on the operation of irrigation water supply organizations at 10-year intervals. In 1978, irrigation information was collected from both individual farms and irrigation organizations.

Farm income.—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes, and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the NASS Agricultural Statistics Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities directly from producers. In some cases, the price information is obtained directly from the producers.

Crops.—Estimates of crop acreage and production by the NASS are based on current sample survey data obtained from individual reporters and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Through 1985 prices received by farmers are season average prices. They are calculated by weighting monthly prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins. State prices are weighted by sales to obtain U.S. prices. Season average prices include an allowance for outstanding loans and government purchases, if any, for crops under government programs.

Beginning 1986 prices received by farmers are marketing year averages. These averages are based on U.S. monthly prices weighted by monthly marketings during specific periods. U.S. monthly prices are State average prices weighted by marketings during the month. Marketing year average prices do not include allowances for outstanding loans, government purchases, deficiency payments or disaster payments.

All State prices are based on individual State marketing years, while U.S. marketing year averages are based on standard marketing years for each crop. For a listing of the crop marketing years and the participating States in the monthly program, see *Crop Values,* February 1987. Value of production is computed by multiplying State prices by each State's production. The U.S. value of production is the sum of State values for all States. Value of production figures shown in tables 1100 and 1102-1110 should not be confused with cash receipts from farm marketings which relate to sales during a calendar year, irrespective of the year of production.

Price supports.—Under law, farm income from many commodities is supported through two basic Government-supported mechanisms available to producers of eligible commodities: (1) *a market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period, forfeit the commodity as full payment of the loan; (2) *a farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

Digitized by Google

No. 1052. Food and Fiber Sector of Domestic Economy—Employment and Value Added: 1975 to 1986

[Employment in millions and value added in billions of dollars, except as indicated]

SECTOR	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
EMPLOYMENT										
Food and fiber sector, total	20.0	20.9	21.5	21.4	21.5	21.8	21.1	21.3	21.4	21.0
Percent of domestic economy [1]	21.3	20.4	20.5	20.1	19.8	19.6	19.0	18.8	18.5	17.9
Farm sector	2.6	3.0	2.6	2.6	2.5	2.3	2.5	2.6	2.4	2.1
Nonfarm sector	17.2	17.9	18.7	18.9	19.0	19.2	18.7	18.6	19.0	18.9
Food processing	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.4	1.5	1.4
Manufacturing	3.2	3.2	3.3	3.4	3.4	3.3	3.1	3.0	2.9	2.9
Transportation, trade, and retailing	5.7	6.0	6.3	6.4	6.5	6.6	6.5	6.6	6.8	6.8
Eating establishments	3.1	3.4	3.5	3.5	3.5	3.5	3.6	3.6	3.7	3.8
Other	3.7	3.9	4.0	4.0	4.1	4.2	4.0	4.1	4.2	4.1
VALUE ADDED [2]										
Food and fiber sector, total	325.7	415.0	465.4	499.9	562.3	611.3	602.5	658.9	705.5	701.5
Percent of domestic economy	20.4	18.4	18.6	18.3	18.4	19.3	17.7	17.5	17.6	16.6
Farm sector	43.3	49.0	59.4	55.1	67.3	75.1	49.7	64.6	73.3	64.4
Nonfarm sector	282.4	366.0	406.0	444.8	495.0	536.2	552.6	595.3	632.2	637.1
Food processing	38.7	46.6	49.7	56.0	61.7	70.0	70.4	75.6	84.5	82.2
Manufacturing	57.0	70.6	77.1	83.0	93.1	97.5	98.0	101.6	103.4	102.3
Transportation, trade, and retailing	96.8	127.0	142.7	157.5	175.6	188.1	196.6	209.0	220.9	226.0
Eating establishments	25.7	34.6	38.9	42.0	44.6	48.1	52.0	55.7	59.3	61.6
Other	64.2	86.9	97.6	106.3	120.0	132.5	135.7	153.5	164.1	164.8

[1] Based on civilian labor force. [2] Value added equals profits, rent, interest, wages, indirect business taxes, and depreciation.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Farm Sector Review*, annual.

No. 1053. Farm Population and Employment: 1960 to 1986

[**In thousands, except percent.** For definition of farm population, see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-176]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Farm population (1974 definition) [1]	(NA)	(NA)	(NA)	6,501	6,241	6,051	5,850	5,628	5,787	5,754	5,355	5,226
Percent of resident population	(NA)	(NA)	(NA)	3.0	2.8	2.7	2.6	2.4	2.5	2.4	2.2	2.2
Farm population (1969 definition) [1]	15,635	9,712	8,864	8,005	7,553	7,241	7,014	6,860	7,029	(NA)	(NA)	(NA)
Percent of resident population	8.7	4.8	4.2	3.7	3.4	3.3	3.1	3.0	3.0	(NA)	(NA)	(NA)
Farm employment, total [2]	7,057	4,523	4,342	3,957	3,774	3,705	3,330	4,043	3,749	3,405	3,115	2,912
Family member [3]	5,172	3,348	3,025	2,689	2,501	2,402	2,236	2,494	2,271	2,175	2,017	1,873
Hired workers [4]	1,885	1,175	1,317	1,268	1,273	1,303	1,094	1,549	1,478	1,230	1,096	1,039

NA Not available [1] April-centered five-quarter averages for 1960 to 1983; annual average for 1984 to 1986. [2] 1960 and 1970, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1975-1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982-1983 based on July survey; 1984, average from July and Oct. surveys; 1985 and 1986 average from April, July and Oct. surveys. [3] Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. [4] Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: Population—U.S. Dept. of Agriculture, Economic Research Service and U.S. Bureau of the Census. Published in U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 60. Farm employment—U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Farm Labor*, periodic.

No. 1054. Characteristics of Farm and Nonfarm Families: 1970 to 1986

[As of **March**. 1970 based on 1969 census farm definition and 1980 and 1986 based on 1974 definition; see text, section 23. 1970, 1980 and 1986 data are based on population controls from 1960, 1970, and 1980 censuses respectively; see text, section 1. Based on Current Population Survey, see text, section 1 and Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	1970			1980			1986		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000)	51,237	2,457	48,781	58,426	1,666	56,760	63,556	1,562	61,996
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.21	3.18	3.21
With own children under 18 (1,000)	28,665	1,189	27,496	30,517	745	29,772	31,670	613	31,056
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.83	1.93	1.83
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	79.7	75.9	79.7
3 or 4 children	28.5	29.3	28.5	20.4	24.8	20.3	18.7	21.5	18.6
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	1.7	2.6	1.7
Percent distribution:									
Married couple	86.7	90.5	86.5	82.5	92.3	82.2	80.1	93.2	79.6
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.8	2.8	3.8
Female householder, no husband present	10.9	5.3	11.2	14.6	4.4	14.9	16.1	4.0	16.4
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	40.1	44.3	40.0
3-to-5 person families	52.7	46.4	53.1	53.7	47.1	53.9	54.8	50.9	55.0
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	5.1	4.8	5.1
Median family income [1] in constant (1985) dollars	27,680	18,736	28,088	29,139	24,242	29,277	27,735	21,853	27,881

[1] Income for previous year

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218; series P-27, No. 60 and earlier reports; series P-60, No. 154 and earlier reports; and unpublished data

Digitized by Google

No. 1055. Farm Population, by Characteristics: 1970 to 1986

[1970 and 1980, April-centered five-quarter averages; 1985 and 1986 annual averages. For definition of farm population, see text, section 23]

Characteristic	Farm population (1,000)							Percent distribution			
	1969 definition	1974 definition						1969 definition, 1970	1974 definition		
	1970	1980	1980	1985	1986				1980	1985	1986
					Total	Male	Female				
Total	9,712	7,241	6,051	5,355	5,226	2,733	2,493	100.0	100.0	100.0	100.0
White	8,775	6,828	5,714	5,195	5,081	2,654	2,427	90.4	94.4	97.0	97.2
Black and other races	938	413	337	160	145	79	66	9.7	5.6	3.0	2.8
Under 15 years old	[1] 2,490	[1] 1,391	[1] 1,146	1,100	1,047	551	496	[1] 25.6	[1] 18.9	20.5	20.0
15 years old and over	[2] 7,222	[2] 5,851	[2] 4,905	4,255	4,179	2,182	1,997	[2] 74.4	[2] 81.1	79.5	80.0
15–19 years old	[3] 1,316	[3] 926	[3] 790	456	436	229	207	[3] 13.6	[3] 13.1	8.5	8.3
20–24 years old	502	502	444	381	350	194	156	5.2	7.3	7.1	6.7
25–34 years old	770	735	606	640	654	355	299	7.9	10.0	12.0	12.5
35–44 years old	1,061	862	712	687	648	331	317	10.9	11.8	12.8	12.4
45–64 years old	2,452	1,892	1,607	1,342	1,369	701	668	25.2	26.6	25.1	26.2
65 years old and over	1,122	934	746	747	723	372	351	11.6	12.3	13.9	13.8
In labor force [4]	4,293	3,682	3,139	2,853	2,865	1,797	1,068	59.4	64.0	67.1	68.6
Employed, agriculture	2,333	1,722	1,642	1,363	1,363	1,082	280	32.3	33.5	32.0	32.6
Percent of labor force	54.3	46.8	52.3	47.8	47.6	60.2	26.2	(x)	(x)	(x)	(x)
Self-employed	1,411	1,083	1,034	896	906	771	135	19.5	21.1	21.1	21.7
Wage and salary workers	395	344	326	316	316	265	52	5.5	6.6	7.5	7.6
Unpaid family workers	526	295	282	149	139	46	94	7.3	5.7	3.5	3.3
Employed, nonagriculture	1,878	1,853	1,415	1,402	1,418	673	745	26.0	28.8	32.9	33.9
Self-employed	159	210	161	159	158	97	61	2.2	3.3	3.7	3.8
Wage and salary workers	1,696	1,624	1,239	1,237	1,250	574	676	23.5	25.3	29.1	29.6
Unpaid family workers	21	19	16	7	10	2	9	.3	.3	.2	.2
Unemployed	82	106	82	88	85	41	43	1.1	1.7	2.1	2.0
Not in labor force [5]	2,929	2,169	1,766	1,402	1,314	385	929	40.6	36.0	32.9	31.4

X Not applicable. [1] Persons under 14 years old. [2] Persons 14 years old and over. [3] Persons 14–19 years old. [4] Percent distribution by labor force status based on total population, 14 years old and over through 1980, and 15 years old and over beginning 1985.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-27, No. 60 and earlier reports; and unpublished data.

No. 1056. Farms—Number and Acreage: 1959 to 1987

[Based on census year definition indicated; for definition of farms and farmland, see text, section 23. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and livestock surveys in estimating data for other years. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 4–7]

Year	Farms		Land in farms		Year	Farms		Land in farms	
	Number (1,000)	Annual change [1] (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change [1] (1,000)	Total (mil. acres)	Average per farm (acres)
1969 definition					**1974 definition**				
1959	*4,105*	*– 139*	*1,183*	*288*	1975	2,521	(x)	1,059	420
1960	3,963	– 142	1,176	297	1976	2,497	– 24	1,054	422
1964	*3,457*	*– 127*	*1,146*	*332*	1977	2,458	– 41	1,048	427
1965	3,356	– 101	1,140	340	*1978*	*2,436*	*– 20*	*1,045*	429
1969	*3,000*	*– 89*	*1,108*	*369*	1979	2,432	– 4	1,042	429
1970	2,949	– 51	1,102	374	1980	2,433	1	1,039	427
1971	2,902	– 47	1,097	378	1981	2,434	1	1,034	425
1972	2,860	– 42	1,092	382	*1982*	*2,401*	*– 33*	*1,028*	428
1973	2,823	– 37	1,088	385	1983	2,370	– 31	1,024	432
1974	*2,795*	*– 28*	*1,084*	*388*	1984	2,326	– 42	1,019	438
1975	2,767	– 28	1,081	391	1985	2,275	– 53	1,014	446
1976	2,738	– 29	1,078	394	1986	2,212	– 63	1,008	456
1977	2,706	– 32	1,075	397	1987, prel.	2,173	– 39	1,002	461
1978	*2,672*	*– 34*	*1,072*	*401*					

X Not applicable. [1] Average annual change from preceding year shown. For 1959, change from 1954.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Number of Farms and Land in Farms, 1959–70* (Statistical Bulletin No. 507); *Farms and Land in Farms, 1969–75* (Statistical Bulletin No. 594); *Farm Numbers, 1975–80*; and *Crop Production* (August releases).

Digitized by Google

No. 1057. Farms—Number and Acreage, by State: 1980 and 1987

[1987 data preliminary. Based on 1974 census definition of farms and farmland; see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series K 4–7]

State	Farms (1,000)		Acreage (mil.)		Acreage per farm	
	1980	1987	1980	1987	1980	1987
U.S	2,433	2,173	1,039	1,002	427	461
Alabama	59	49	12	11	207	224
Alaska	(z)	1	2	1	3,378	2,121
Arizona	8	8	38	37	5,080	4,405
Arkansas	59	49	17	15	280	314
California	81	77	34	33	417	429
Colorado	27	27	36	34	1,358	1,269
Connecticut	4	4	(z)	(z)	117	119
Delaware	4	3	1	1	186	203
Florida	39	39	13	13	344	333
Georgia	59	48	15	13	254	271
Hawaii	4	4	2	2	458	464
Idaho	24	23	15	14	623	609
Illinois	107	84	29	29	269	340
Indiana	87	72	17	16	193	225
Iowa	119	107	34	34	284	313
Kansas	75	70	48	48	644	684
Kentucky	102	99	15	15	143	146
Louisiana	37	36	10	10	273	269
Maine	8	8	2	2	195	195
Maryland	18	17	3	2	157	141
Massachusetts	6	6	1	1	116	113
Michigan	65	58	11	11	175	195
Minnesota	104	92	30	30	291	326
Mississippi	55	45	15	14	265	307
Missouri	120	114	31	31	261	268
Montana	24	23	62	61	2,601	2,609
Nebraska	65	56	48	47	734	843
Nevada	3	2	9	9	3,100	3,667
New Hampshire	3	3	1	1	160	163
New Jersey	9	8	1	1	109	112
New Mexico	14	14	47	45	3,487	3,304
New York	47	41	9	9	200	212
North Carolina	93	72	12	11	126	150
North Dakota	40	33	42	41	1,043	1,246
Ohio	95	84	16	16	171	186
Oklahoma	72	70	35	33	481	471
Oregon	35	37	18	18	517	484
Pennsylvania	62	57	9	9	145	150
Rhode Island	1	1	(z)	(z)	87	97
South Carolina	34	26	6	5	188	200
South Dakota	39	35	45	45	1,169	1,271
Tennessee	96	96	14	13	142	131
Texas	189	160	138	133	731	833
Utah	14	14	12	11	919	831
Vermont	8	7	2	2	226	222
Virginia	58	50	10	10	169	192
Washington	38	37	16	16	429	427
West Virginia	22	21	4	4	191	176
Wisconsin	93	80	19	18	200	219
Wyoming	9	9	35	35	3,846	4,000

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production* (August 1987 release).

No. 1058. Farms—Number, Acreage, and Value, by State: 1982

[For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17–18]

Region, division, and state	Number of farms (1,000)	Land in farms (mil. acres)	Average size of farm (acres)	Value of land and buildings [1] (mil. dol.)
U.S	2,241	986.8	440	774,158
Region:				
Northeast	131	23.0	175	26,272
Midwest	932	354.2	380	339,761
South	896	293.8	328	236,638
West	280	315.7	1,129	169,487
New England	26	4.6	178	5,385
Maine	7	1.5	210	1,053
New Hampshire	3	.5	170	555
Vermont	6	1.6	249	1,305
Massachusetts	5	.6	113	1,111
Rhode Island	1	.1	86	173
Connecticut	4	.4	118	1,188
Middle Atlantic	106	18.4	174	22,887
New York	42	9.2	218	7,509
New Jersey	8	.9	111	2,840
Pennsylvania	56	8.3	149	12,538
East North Central	403	88.6	220	134,967
Ohio	87	15.4	177	23,287
Indiana	77	16.3	211	26,128
Illinois	98	28.7	292	53,081
Michigan	59	10.9	187	13,389
Wisconsin	82	17.2	210	19,102
West North Central	529	265.6	502	204,793
Minnesota	94	27.7	294	32,326
Iowa	115	32.6	283	54,349
Missouri	112	29.3	260	25,094
North Dakota	36	40.2	1,104	17,609
South Dakota	37	43.8	1,179	15,429
Nebraska	60	45.0	746	31,910
Kansas	73	47.1	642	28,076
South Atlantic	274	57.2	209	69,752
Delaware	3	.7	196	1,218
Maryland	16	2.6	158	5,378
Virginia	52	9.4	182	10,622
West Virginia	19	3.6	190	2,421
North Carolina	73	10.3	142	13,669
South Carolina	25	5.6	224	5,193
Georgia	50	12.3	248	11,166
Florida	36	12.8	353	20,085
East South Central	283	49.2	174	46,466
Kentucky	102	14.2	140	14,661
Tennessee	91	12.5	138	12,592
Alabama	48	10.2	211	8,290
Mississippi	42	12.4	293	10,923
West South Central	340	187.3	551	120,420
Arkansas	51	14.7	291	14,460
Louisiana	32	8.9	282	12,070
Oklahoma	73	32.4	446	22,556
Texas	185	131.3	710	71,334
Mountain	122	246.1	1,857	76,179
Montana	24	60.5	2,568	15,866
Idaho	25	13.9	563	11,953
Wyoming	9	33.5	3,781	6,484
Colorado	27	33.5	1,237	15,226
New Mexico	13	47.1	3,493	8,322
Arizona	7	37.8	5,148	10,972
Utah	14	9.8	699	5,445
Nevada	3	10.0	3,671	2,509
Pacific	158	99.6	441	93,307
Washington	36	16.5	456	15,271
Oregon	34	17.7	520	12,665
California	82	32.2	390	61,532
Alaska	(z)	1.3	2,323	264
Hawaii	5	2.0	426	3,575

Z Less than 500. [1] Based on reports for a sample of farms.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1982*, vol. 1.

Digitized by Google

No. 1059. Farms—Number, 1959 to 1982, and Acreage, 1978 and 1982, by Size of Farm

[See *Historical Statistics, Colonial Times to 1970*, series K 162-173]

Size of farm	Number of farms (1,000)					Land in farms (mil. acres)		Cropland harvested (mil. acres)		Percent distribution, 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Number of farms	All land in farms	Cropland harvested
Total	3,711	2,730	2,314	2,258	2,241	1,014.8	986.8	317.1	326.3	100.0	100.0	100.0
Under 10 acres	244	162	128	151	188	.6	.7	.2	.3	8.4	.1	.1
10–49 acres	813	473	380	392	449	10.9	12.1	4.5	4.5	20.0	1.2	1.4
50–99 acres	658	460	385	356	344	25.9	24.8	10.2	9.5	15.4	2.5	2.9
100–179 acres	773	542	443	403	368	55.0	49.9	23.3	21.2	16.4	5.1	6.5
180–259 acres	414	307	253	234	211	50.6	45.7	23.7	21.7	9.4	4.6	6.7
260–499 acres	472	419	363	348	315	124.6	113.0	64.5	60.5	14.1	11.5	18.5
500–999 acres	200	216	207	213	204	146.7	140.5	75.2	77.6	9.1	14.2	23.8
1,000–1,999 acres	79	91	93	98	97	133.0	132.4	58.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	60	62	63	65	467.4	467.5	57.3	66.6	2.9	47.4	20.4

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, 1974*, vol. II and *1982*, vol. 1.

No. 1060. Farms—Number and Acreage, by Tenure of Operator: 1969 to 1982

[*Full owners* own all the land they operate. *Part owners* own a part, and rent from others the rest of the land they operate. See also *Historical Statistics, Colonial Times to 1970*, series K 109–113 and 142–146]

Item and year	Unit	Total	Full owner	Part owner	Tenant	Percent distribution			
						Total	Full owner	Part owner	Tenant
Number of farms:									
1969	1,000	2,730	1,706	672	353	100.0	62.5	24.6	12.9
1974	1,000	2,314	1,424	628	262	100.0	61.5	27.2	11.3
1978	1,000	2,258	1,298	681	279	100.0	57.5	30.1	12.4
1982 [1]	1,000	2,241	1,326	656	259	100.0	59.2	29.3	11.5
Under 50 acres	1,000	637	505	68	63	100.0	79.3	10.7	9.9
50–179 acres	1,000	711	489	144	79	100.0	68.7	20.2	11.1
180–499 acres	1,000	526	232	221	73	100.0	44.1	42.0	13.9
500–999 acres	1,000	204	57	120	27	100.0	27.9	58.8	13.2
1,000 acres or more	1,000	161	41	103	17	100.0	25.4	64.0	10.5
Land in farms:									
1969	Mil. acres	1,063	375	550	138	100.0	35.2	51.8	13.0
1974	Mil. acres	1,017	359	535	122	100.0	35.4	52.6	12.0
1978	Mil. acres	1,015	332	561	122	100.0	32.7	55.3	12.0
1982	Mil. acres	987	342	531	114	100.0	34.7	53.8	11.6

[1] Data by size of farm exclude abnormal farms, see headnote, table 1062.

Source: U.S. Bureau of the Census, *Census of Agriculture: 1969, 1974*, vol. II, and *1982*, vol. 1.

No. 1061. Farm Operators—Tenure and Characteristics: 1978 and 1982

[In thousands, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series K 82-113]

Tenure and characteristic	All farms		Farms with sales of $10,000 and over	
	1978	1982	1978	1982
Total operators	2,258	2,241	1,180	1,143
White	2,200	2,187	1,163	1,127
Black and other	58	54	17	16
Operators of Spanish origin [1]	18	16	7	6
Female	113	122	(NA)	37
Under 25 years old	67	62	(NA)	39
25–34 years old	285	294	(NA)	173
35–44 years old	434	443	(NA)	223
45–54 years old	549	505	(NA)	264
55–64 years old	552	536	(NA)	266
65 years old and over	371	400	(NA)	156
Average age (years)	50.3	50.5	(NA)	49.1
Full owner	1,298	1,326	485	482
Part owner	681	656	514	491
Tenant	279	259	181	170

Characteristic	All farms		Farms with sales of $10,000 and over	
	1978	1982	1978	1982
Principal occupation:				
Farming	1,269	1,235	934	901
Other	988	1,006	246	240
Place of residence: [2]				
On farm operated	1,586	1,581	876	837
Not on farm operated	422	429	197	202
Years on present farm: [2]				
2 years or less	(NA)	127	(NA)	57
3–4 years	(NA)	193	(NA)	83
5–9 years	(NA)	360	(NA)	167
10 years or more	(NA)	1,098	(NA)	639
Days worked off farm: [2]				
None	943	882	654	597
Less than 100 days	252	224	156	141
100–199 days	181	189	79	77
200 days or more	770	775	214	210

NA Not available. [1] Operators of Spanish origin may be of any race. [2] Includes not reported.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*.

Digitized by Google

No. 1062. Farms—Number, Acreage, and Value, by Type of Organization: 1978 and 1982

[Excludes abnormal farms (institutional farms, experimental and research farms, Indian reservations, etc.)]

ITEM	Unit	Total [1]	Individual or family	Partnership	Corporation	PERCENT DISTRIBUTION			
						Total [1]	Individual or family	Partnership	Corporation
Number of farms: 1978	1,000	2,255	1,966	233	50	100.0	87.2	10.3	2.2
1982	1,000	2,239	1,946	223	60	100.0	86.9	10.0	2.7
Land in farms: 1978	Mil. acres	959	673	158	120	100.0	70.2	16.5	12.5
1982	Mil. acres	932	642	152	127	100.0	68.9	16.3	13.6
Value of land and buildings: [2] 1978	Bil. dol	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Bil. dol	763	547	119	90	100.0	71.7	15.6	11.8
Value of farm products sold: 1978	Mil. dol	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982	Mil. dol	131,590	77,907	21,520	31,480	100.0	59.2	16.4	23.9

NA Not available. [1] Includes other types, not shown separately. [2] Based on a sample of farms.

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1.

No. 1063. Irrigated Farms and Acreage—Selected States: 1984

Based on a sample of irrigators selected from irrigated farms identified in the 1982 Census of Agriculture excluding all irrigators in 1982 in Alaska, Hawaii, and abnormal and horticultural specialty farms in the 48 conterminous States. (For definition of abnormal farms, see headnote, table 1062.) Most of the excluded irrigated farms were horticultural specialty farms and accounted for 889,645 acres irrigated or 1.8 percent of the land irrigated in 1982. No attempt was made to identify and select new irrigators for 1984]

STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)	STATE	Irrigated farms (1,000)	Acres in farms (1,000)	Acres irrigated (1,000)
Conterminous U.S. [1]	**212.4**	**175,134**	**44,731**	Montana	7.9	16,769	1,877
				Arkansas	4.8	4,439	1,872
alifornia	48.3	17,292	7,805	Oregon	12.1	10,840	1,776
ebraska	19.2	19,321	5,828	Wyoming	4.6	14,630	1,550
exas	13.7	14,458	4,921	Washington	13.1	4,097	1,482
aho	15.5	7,117	3,255	Florida	5.9	4,991	1,438
olorado	13.4	15,380	3,105	Utah	10.0	3,787	1,054
ansas	6.2	8,935	2,315	Arizona	3.4	4,729	893

[1] Includes other States not shown separately.

Source: U.S. Bureau of the Census, *1984 Farm and Ranch Irrigation Survey*, (AG84-SR-1), 1986.

No. 1064. Foreign Ownership of U.S. Agricultural Land: 1986

thousands of acres, except percent. Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure ct of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent esident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of .S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" if it is 10 percent or more foreign owned by a single foreign person or foreign persons acting in concert, or 50 percent foreign owned by a roup of foreign persons not acting in concert, none of whom individually holds a 10 percent or greater interest in the entity. herefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1986]

CHARACTERISTIC	ACREAGE OWNED [1]		ACREAGE ACQUIRED [2]		CHARACTERISTIC	ACREAGE OWNED [1]		ACREAGE ACQUIRED [2]	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total [3]	**12,419**	**100.0**	**1,675**	**100.0**	Country of foreign owner:				
of owner:					Canada	1,551	12.5	3	.2
orporation	9,836	79.2	1,645	98.2	Mexico	213	1.7	1	.1
rtnership	1,408	11.3	8	.5	Netherlands Antilles	525	4.2	-	-
dividual	979	7.9	13	.8	Panama	187	1.5	2	.1
her	194	1.6	8	.5	Switzerland	237	1.9	2	.1
of holding:					United Kingdom	381	3.1	7	.4
ss than 100 acres	127	1.0	3	.2	West Germany	744	6.0	15	.9
0–299 acres	299	2.4	6	.4	Through U.S. interest: [4]				
0–999 acres	886	7.1	16	1.0	Canada	731	5.9	3	.2
00 acres or more	11,107	89.4	1,650	98.5	France	302	2.4	2	.1
use:					Netherlands	336	2.7	-	-
opland	2,112	17.0	26	1.6	Netherlands Antilles	230	1.9	-	-
sture	2,661	21.4	10	.6	Switzerland	278	2.2	1	.1
rest	6,469	52.1	1,624	97.0	United Kingdom	3,531	28.4	1,615	96.4
her agriculture	536	4.3	8	.4	West Germany	475	3.8	3	.2
her nonagriculture	640	5.2	8	.5					

Represents or rounds to zero. [1] Landholdings by foreign interests as of Dec. 31. [2] Acquisitions by foreign interests from 1–Dec. 31, 1986. [3] Includes other countries not shown separately. [4] Reports filed by U.S. corporations with foreign holders.

rce: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31*, (Economic Research Service Staff Report AGES 870319), 1987.

92-073 O - 88 - 21 : QL 3

Digitized by Google

No. 1065. Farm Real Estate—Summary: 1970 to 1987

[1970 and 1975, value data as of Mar. 1; 1979–1981 and 1986–1987, as of Feb. 1; 1982–1985, as of April 1. Excludes Alaska and Hawaii. 1970 value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, section 23. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For intercensal years, estimates are made using indexes of average value per acre. Indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total value	Bil. dol.	215.0	358.6	653.1	783.3	843.7	843.3	804.8	793.9	686.2	597.2	549.1
Land	Bil. dol.	175.5	300.5	559.7	658.0	728.3	729.8	697.3	688.9	595.8	517.9	476.1
Buildings	Bil. dol.	39.5	58.1	93.4	105.3	115.4	113.5	107.5	105.0	90.4	79.3	73.7
Average value per acre [1]	Dollars	196	340	628	737	819	823	788	782	679	595	548
Index	1977 = 100	42	75	125	145	158	157	148	146	128	112	103
Average value, operating unit	$1,000	73.0	142.5	269.3	314.4	347.3	352.0	340.3	341.8	302.4	270.3	248.8

[1] Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1970–1984, *Farm Real Estate Market Developments*, annual; thereafter, *Agricultural Land Values and Markets*, annual.

No. 1066. Farm Real Estate—Value of Land and Buildings, by State: 1980 to 1987

[See headnote, table 1065. See also *Historical Statistics, Colonial Times to 1970*, series K 18]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS, PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977 = 100)			
	1980	1985	1986	1987	1980	1985	1986	1987	1980	1985	1986	1987
U.S	763,285	686,194	597,235	549,782	$737	$679	$595	$548	145	128	112	103
Alabama	9,518	8,844	8,374	8,039	780	769	781	731	149	154	152	146
Arizona	10,173	9,938	8,648	9,078	267	265	231	242	[1] 167	[2] 163	[2] 142	149
Arkansas	15,147	13,584	11,063	9,957	918	849	705	634	163	152	126	114
California	48,131	46,785	51,518	44,820	1,424	1,726	1,571	1,366	166	201	183	159
Colorado	13,932	14,964	12,199	12,443	387	435	357	364	147	154	126	129
Connecticut	1,170	1,540	1,675	1,825	2,387	3,208	3,721	4,056	[2] 135	[2] 185	[2] 215	[2] 234
Delaware	1,169	1,067	1,124	1,136	1,798	1,642	1,757	1,775	151	128	137	138
Florida	18,505	19,851	18,660	19,033	1,381	1,527	1,435	1,464	[4] 141	147	138	141
Georgia	13,440	11,878	10,683	11,003	896	865	822	848	132	116	110	113
Idaho	10,851	10,861	9,018	7,936	998	749	844	567	134	129	111	98
Illinois	58,781	37,712	32,809	29,858	2,041	1,314	1,143	1,040	135	84	73	67
Indiana	31,298	20,648	17,132	15,077	1,863	1,259	1,058	931	150	96	81	71
Iowa	82,192	35,750	28,243	25,136	1,840	1,064	841	748	139	77	61	54
Kansas	28,352	22,368	18,527	16,304	587	466	387	340	134	98	81	71
Kentucky	14,250	13,137	12,812	11,476	978	906	870	791	147	129	124	113
Louisiana	12,686	12,685	10,048	7,335	1,256	1,256	1,005	734	169	181	145	106
Maine	959	1,301	1,509	1,645	594	856	993	1,082	[2] 135	[2] 185	[2] 215	[2] 234
Maryland	8,154	5,452	4,718	4,577	2,238	2,097	1,887	1,831	166	158	142	138
Massachusetts	1,158	1,813	1,871	2,039	1,608	2,372	2,752	2,999	[2] 135	[2] 185	[2] 215	[2] 234
Michigan	12,665	11,993	10,580	9,416	1,111	1,052	936	833	138	121	108	96
Minnesota	32,906	25,019	18,271	14,799	1,086	823	609	493	154	109	81	66
Mississippi	11,957	11,774	10,521	9,153	819	835	752	654	158	163	147	128
Missouri	28,232	20,297	18,813	16,938	902	859	806	552	154	102	94	66
Montana	14,546	13,542	12,459	10,218	235	222	204	187	142	125	115	94
Nebraska	30,290	20,957	17,185	15,810	635	444	364	335	137	82	67	62
Nevada	2,230	2,015	1,753	1,858	248	229	199	211	[1] 176	[2] 173	[2] 151	160
New Hampshire	547	786	858	933	1,004	1,419	1,646	1,794	[2] 135	[2] 185	[2] 215	[2] 234
New Jersey	3,006	3,314	3,600	4,896	2,947	3,525	3,913	5,321	120	141	157	213
New Mexico	8,858	7,335	5,961	5,425	185	163	134	122	[1] 166	[2] 162	133	121
New York	8,768	7,353	7,170	8,102	720	606	624	931	119	126	131	148
North Carolina	14,262	13,414	12,206	11,840	1,219	1,242	1,130	1,096	141	142	129	125
North Dakota	18,888	14,724	12,894	11,475	405	360	317	282	136	116	102	91
Ohio	28,026	17,791	16,012	14,891	1,730	1,128	1,013	942	158	90	81	75
Oklahoma	21,244	18,678	15,878	14,130	814	566	481	428	143	126	107	96
Oregon	10,625	10,422	9,328	8,581	587	579	521	479	132	114	103	94
Pennsylvania	13,178	13,137	12,322	14,663	1,464	1,510	1,450	1,725	140	127	122	145
Rhode Island	186	243	282	308	2,523	3,335	3,869	4,217	[2] 135	[2] 185	[2] 215	[2] 234
South Carolina	5,760	4,944	4,796	4,365	900	899	872	794	130	121	117	107
South Dakota	13,140	11,125	9,568	7,941	292	250	215	176	141	101	87	72
Tennessee	13,274	13,159	12,894	13,152	976	982	992	1,012	136	127	128	131
Texas	60,255	58,346	72,515	64,539	436	652	541	482	144	229	190	169
Utah	8,572	5,962	5,449	5,177	530	514	478	454	[1] 169	[2] 165	153	146
Vermont	1,255	1,627	1,868	2,057	721	1,017	1,180	1,286	[2] 135	[2] 185	[2] 215	[2] 234
Virginia	10,074	10,474	10,997	10,667	1,028	1,091	1,146	1,111	139	140	147	143
Washington	11,997	14,860	12,996	11,566	736	923	812	723	124	151	133	119
West Virginia	2,810	1,994	1,935	1,896	569	554	537	527	150	143	139	136
Wisconsin	18,874	14,992	12,522	11,019	1,004	847	711	626	159	126	106	93
Wyoming	5,636	6,160	5,359	5,252	181	177	154	151	126	[2] 122	106	104

[1] Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.
[2] Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.
[3] Estimated by combining survey data to obtain an average rate of change for New England States.
[4] Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1980, *Farm Real Estate Market Developments*, annual; beginning 1985, *Agricultural Land Values and Markets*, annual.

Digitized by Google

No. 1067. Balance Sheet of the Farming Sector: 1970 to 1986

[In billions of dollars, except percent. As of December 31. Includes farm operator households. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 204–219, for data before revisions]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS [1]					
	1970	1975	1980	1984	1985	1986, prel.	1970	1975	1980	1984	1985	1986, prel.
Assets	**324.0**	**577.0**	**1,102.3**	**949.6**	**846.5**	**789.4**	**771.4**	**973.0**	**1,286.2**	**881.7**	**761.2**	**691.8**
Annual percent change [2]	4.3	12.2	13.8	–3.7	–10.9	–6.7	(z)	4.8	5.7	–9.0	–13.7	–9.1
Physical assets:												
Real estate	223.8	420.6	850.8	693.7	606.8	554.0	532.9	709.3	992.8	644.1	545.7	485.5
Non-real estate:												
Livestock and poultry [3]	23.7	29.4	60.6	49.6	46.3	47.6	56.4	49.6	70.7	46.1	41.6	41.7
Machinery, motor vehicles	34.4	63.1	99.3	102.7	92.4	84.5	81.9	106.4	115.9	95.4	83.1	74.1
Crops stored	9.0	21.1	33.0	29.6	23.1	18.4	21.4	35.6	38.5	27.5	20.8	16.1
Household furnishings, equipment	10.0	11.7	19.4	26.1	27.8	30.5	23.8	19.7	22.6	24.2	25.0	26.7
Financial assets:												
Deposits and currency	12.4	14.5	16.2	19.8	21.1	24.8	29.5	24.5	18.9	18.4	19.0	21.7
United States savings bonds	3.6	3.9	3.8	3.7	3.9	4.5	8.6	6.6	4.4	3.4	3.5	3.9
Investments in cooperatives	7.2	12.8	19.2	24.4	25.2	24.9	17.1	21.6	22.4	22.7	22.7	21.8
Claims	**324.0**	**577.0**	**1,102.3**	**949.6**	**846.5**	**789.4**	**771.4**	**973.0**	**1,286.2**	**881.7**	**761.2**	**691.8**
Liabilities	52.8	91.5	178.7	204.4	186.0	166.4	125.7	154.3	208.5	189.8	169.1	145.8
Real estate debt	30.5	49.9	97.5	112.4	105.9	95.1	72.6	84.1	113.8	104.4	95.2	83.3
Non-real estate debt	22.3	41.6	81.2	92.0	82.2	71.3	53.1	70.2	94.7	85.4	73.9	62.5
Proprietor's equities	271.2	485.5	923.6	745.2	658.5	623.0	645.7	818.7	1,077.7	691.9	592.2	546.0

Z Less than .05 percent. [1] Constant dollar figures are based on gross national product implicit price deflators for year. [2] Average change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Tabular Presentation. [3] Excludes horses and mules.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986*, and unpublished data.

No. 1068. Farm Debt Outstanding, by Type of Lender: 1970 to 1986

[In billions of dollars, except percent. As of Dec. 31. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 361–367 and K 376–380]

LENDER	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Farm debt, total	**52.8**	**91.5**	**118.9**	**136.6**	**162.5**	**178.7**	**195.4**	**203.1**	**206.5**	**204.4**	**188.0**	**166.4**
Annual percent change [1]	6.1	11.8	14.0	14.9	19.0	10.0	9.3	3.9	1.7	–1.0	–8.0	–11.5
Farm debt/asset ratio (percent)	16.3	15.9	16.3	15.7	16.1	16.2	17.7	19.0	19.7	21.5	22.2	21.1
Real estate debt	30.5	49.9	63.9	72.8	86.8	97.5	107.2	111.3	113.7	112.4	105.9	95.1
Federal land banks	7.1	16.0	21.5	24.8	29.8	36.2	43.6	47.8	48.9	49.2	44.7	37.0
Life insurance companies	5.8	6.7	8.8	10.5	12.2	12.9	13.1	12.8	12.7	12.4	11.8	10.9
Commercial and savings banks	3.8	6.3	7.8	8.6	8.6	8.6	8.3	8.4	9.3	10.2	11.4	12.7
Farmers Home Administration [2]	2.4	3.4	4.0	4.1	6.9	8.2	8.9	9.2	9.5	10.1	10.4	10.3
Individuals and others [3]	11.4	17.3	21.3	23.6	27.9	30.2	31.8	32.0	32.3	29.9	27.2	24.0
CCC [4] storage and drying facilities loans	.1	.2	.5	1.1	1.4	1.5	1.3	1.1	.9	.6	.3	.1
Non-real estate debt	22.3	41.6	55.0	63.8	75.7	81.2	88.2	91.8	92.7	92.0	82.2	71.3
Commercial and savings banks	11.1	20.2	25.7	28.3	31.0	31.6	32.9	36.1	39.0	39.6	35.5	31.2
Production credit associations [5]	5.5	11.1	13.9	15.5	18.8	20.5	22.1	21.4	20.2	18.8	14.6	11.3
Farmers Home Administration	.8	1.8	3.1	5.8	9.3	11.4	14.4	14.7	14.5	15.6	16.7	16.4
Individuals and others [6]	4.9	8.6	12.2	14.3	16.6	17.7	18.8	19.5	18.9	18.0	15.4	12.4

[1] Annual change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Tabular Presentation. [2] Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. [3] Includes seller and other individual financing of farm real estate sales and unclassified credit sources. [4] Commodity Credit Corporation. [5] Also includes Federal intermediate credit bank loans to financial groups other than production credit associations. [6] Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986*.

Digitized by Google

No. 1069. Farms and Farm Operator Debt—Percentage Distribution by Debt/Asset Ratio: 1987

[As of **January 1.** A farm is a crop or livestock farm if 50 percent or more of its commodity receipts derive from the sale of crop or animal products, respectively. A crop or livestock farm is further categorized as a particular type if 50 percent of its crop or, if applicable, livestock receipts come from a specific commodity area. Based on Farm Costs and Returns Survey conducted in February–March 1987 for the 1986 calendar year]

Value of sales and type of farm	Farms—percent distribution by debt/asset ratio				Farm operator debt—percent distribution by debt/asset ratio			
	Total	Less than 40 percent	40–70 percent	Over 70 percent	Total	Less than 40 percent	40–70 percent	Over 70 percent
All farms	100.0	78.4	13.0	8.6	100.0	32.9	34.0	33.1
Less than $10,000	100.0	88.1	7.9	4.0	100.0	44.7	36.4	18.9
$10,000–$19,999	100.0	83.8	9.5	6.6	100.0	38.0	32.7	29.3
$20,000–$39,999	100.0	80.2	13.3	6.5	100.0	33.8	34.4	31.8
$40,000–$99,999	100.0	67.4	17.7	14.9	100.0	31.9	31.4	36.7
$100,000–$249,999	100.0	64.4	20.5	15.1	100.0	32.0	34.1	33.9
$250,000–$499,999	100.0	61.2	23.3	15.5	100.0	33.1	34.6	32.3
$500,000 and over	100.0	59.3	24.5	16.2	100.0	28.0	35.1	36.9
Cash grain	100.0	68.1	17.3	14.6	100.0	28.3	33.0	38.7
Field crop	100.0	79.4	10.6	10.0	100.0	25.8	35.1	39.1
Vegetable, fruit, and nut	100.0	83.4	10.0	6.6	100.0	26.0	34.3	39.7
Nursery	100.0	85.8	11.9	2.3	100.0	55.9	28.6	15.5
General crop	100.0	81.6	9.7	8.7	100.0	34.8	29.2	36.0
General livestock	100.0	85.3	10.0	4.7	100.0	38.2	35.4	26.4
Dairy	100.0	69.0	18.0	13.0	100.0	34.2	34.8	31.0
Poultry and egg	100.0	67.8	22.0	10.2	100.0	34.8	40.9	24.3
Other livestock	100.0	82.5	11.6	5.9	100.0	54.3	27.0	18.7

Source: U.S. Dept. of Agriculture, Economic Research Service, *Financial Characteristics of U.S. Farms, January 1, 1987* (AIB No. 525), 1987.

No. 1070. Farms, Farm Income, Assets, and Debt, by Value of Sales: 1986

[Minus sign (–) indicates loss]

Farms with value of sales of—	Number of farms [1] (1,000)	Gross income [2] (bil. dol.)	Cash receipts (bil. dol.)	Net income [2] (bil. dol.)	Assets [3] (bil. dol.)	Debt [3] (bil. dol.)	Debt to asset ratio [3] (percent)	Percent distribution			
								Number of farms [1]	Gross income [2]	Net income [2]	Assets [3]
Total	2,212	162.8	135.2	40.8	789.4	166.4	21.1	100.0	100.0	100.0	100.0
Less than $5,000	887	7.0	1.6	–.9	103.2	10.8	10.5	40.1	1.9	–2.3	13.0
$5,000–$9,999	265	3.7	1.6	–	41.3	5.0	12.1	12.0	1.6	–.1	5.2
$10,000–$19,999	237	5.0	3.2	.1	49.2	7.0	14.2	10.7	2.6	.2	6.2
$20,000–$39,999	223	6.7	6.1	1.1	66.9	10.7	16.0	10.1	5.1	2.7	8.5
$40,000–$99,999	294	23.7	16.7	4.3	144.2	28.6	19.8	13.3	14.7	10.4	18.3
$100,000–$249,999	210	37.6	31.9	9.4	180.9	41.1	22.7	9.5	23.9	23.1	22.9
$250,000–$499,999	66	26.1	22.6	8.2	101.5	25.3	24.9	3.0	16.8	20.0	12.9
$500,000 and over	29	51.0	49.1	18.7	102.3	37.9	37.0	1.3	33.3	45.9	13.0

– Represents or rounds to zero. [1] Based on 1974 census definition. See text, section 23. [2] Data are before inventory adjustment. For components of income, see table 1074. [3] Data as of December 31. Includes farm households.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986.*

No. 1071. Indicators of Financial Stress in Agriculture, 1980 to 1986, and by Farm Region, 1986

[**In percent.** For years ending in **June**, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

Financial stress indicator	1980	1983	1984	1985	1986					
					Total	Northeast [1]	Corn Belt [2]	South [3]	Plains [4]	West [5]
Average delinquency rate [6] [7]	(NA)	3.7	4.4	5.3	6.0	6.9	5.4	5.2	6.6	5.2
Farm borrowers who had bank financing discontinued	4.5	2.9	3.4	4.5	5.6	6.2	4.8	6.6	5.1	5.7
Farm borrowers loaned-up to practical limit [7] [8]	27	28	33	37	39	37	34	50	40	44
Farmers in bank lending area who went out of business	2.1	2.3	3.6	4.8	6.2	7.1	5.5	8.9	5.6	6.3
Farmers in bank lending area who went through bankruptcy	(NA)	1.1	2.6	3.8	4.2	3.9	4.0	6.5	3.9	3.5

NA Not available. [1] ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. [2] OH, IN, IL, IA, and MO. [3] VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. [4] ND, SD, NE, KS, OK, and TX. [5] MT, ID, WY, CO, NM, AZ, UT, NV, WA, OR, CA, AK, and HI. [6] Percentage of dollar farm loan volume 30 days or more delinquent. [7] As of June of year shown. [8] Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, selected issues.

Digitized by Google

No. 1072. Farm Assets and Debt, by State: 1984 to 1986

[As of **December 31.** Includes farm operator households]

ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/asset ratio, 1986 (percent)	DIVISION AND STATE	ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/asset ratio, 1986 (percent)
984	1985	1986	1984	1985	1986			1984	1985	1986	1984	1985	1986	
950	846	789	204	188	166	21.1	S.A.—Con.							
2.0	2.2	2.4	.4	.4	.4	15.7	WV	3.2	3.0	3.0	.4	.3	.3	10.0
1.1	1.2	1.2	.1	.1	.1	6.1	NC	19.2	17.3	17.0	4.1	3.7	3.2	18.9
2.6	2.8	2.9	.4	.4	.4	11.6	SC	7.1	6.8	6.3	1.7	1.5	1.3	20.4
2.2	2.5	2.7	.2	.2	.2	9.0	GA	16.2	15.5	15.6	4.5	4.1	3.5	22.4
.3	.3	.4	(Z)	(Z)	(Z)	7.0	FL	23.7	22.5	23.1	4.4	4.1	3.5	15.2
2.1	2.3	2.4	.3	.2	.2	6.7	E.S.C.:							
							KY	19.5	18.7	17.4	3.9	3.7	3.3	19.0
13.0	12.7	13.2	3.0	2.8	2.6	19.6	TN	19.1	19.1	19.2	3.1	2.7	2.4	12.6
4.4	4.7	6.0	.5	.5	.4	6.9	AL	12.3	12.1	11.4	2.5	2.2	1.9	17.1
19.1	18.3	20.6	3.0	2.7	2.5	12.3	MS	16.0	14.5	13.0	4.3	3.9	3.5	26.9
							W.S.C.:							
26.2	24.0	22.5	4.9	4.4	3.9	17.3	AR	16.2	15.6	14.2	4.1	3.6	3.4	24.1
32.3	25.2	22.4	7.3	6.5	5.7	25.3	LA	16.3	13.5	10.7	3.2	2.9	2.6	24.4
50.7	44.7	40.6	10.8	9.7	8.6	21.1	OK	25.2	22.3	20.6	5.5	5.3	4.6	22.3
16.3	16.8	15.1	4.4	4.2	3.7	24.7	TX	107.0	90.2	81.7	13.3	13.1	11.9	14.6
26.9	23.7	21.4	7.3	6.9	6.1	28.6	Mt.:							
							MT	17.6	16.2	14.0	4.0	3.7	3.3	23.9
38.6	31.0	26.4	10.7	9.6	8.3	31.3	ID	14.8	12.6	11.4	3.5	3.3	2.9	25.3
52.7	43.9	39.6	15.3	13.4	11.5	28.6	WY	7.6	6.9	6.6	1.2	1.0	.9	13.7
30.1	28.2	26.6	6.9	6.3	5.5	20.6	CO	19.6	16.6	15.6	4.6	4.2	3.5	21.1
21.5	19.3	17.7	4.6	4.5	4.1	23.2	NM	9.1	7.6	7.0	1.4	1.3	1.2	16.9
17.5	15.3	13.2	5.1	4.6	4.0	29.9	AZ	11.4	10.1	10.5	1.9	1.8	1.6	16.9
31.4	26.6	24.9	9.4	8.2	7.0	28.2	UT	7.6	7.5	6.7	1.1	1.0	.9	13.2
31.8	27.5	25.1	7.7	7.0	6.1	24.1	NV	2.6	2.3	2.4	.4	.4	.4	15.9
							Pac.:							
							WA	19.4	17.4	15.6	3.6	3.7	3.3	20.7
1.4	1.4	1.5	.4	.3	.3	19.2	OR	14.2	13.0	12.3	3.3	3.0	2.9	23.9
7.5	6.7	6.4	1.2	1.1	1.0	16.0	CA	69.1	63.7	56.6	17.6	16.3	14.2	25.0
14.9	15.2	15.0	2.3	2.2	2.1	13.7	AK	.5	.5	.4	(Z)	(Z)	(Z)	6.2
							HI	4.2	4.2	4.1	.4	.4	.4	6.9

than $50 million.

U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary,*

No. 1073. Gross Farm Product—Summary: 1970 to 1986

[**In billions of dollars.** For definition of gross product, see text, section 14. Minus sign (−) indicates decrease]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS												
ue of farm output [1]	**55.1**	**99.8**	**107.0**	**125.7**	**149.5**	**148.4**	**164.3**	**159.0**	**142.9**	**166.8**	**158.5**	**149.1**
arketings cash receipts [2]	50.5	88.9	96.2	112.2	131.5	139.8	142.1	142.9	133.1	141.7	144.9	133.7
oducts consumed [3]	.8	1.1	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1	.9	.9
in farm inventories	–	3.4	1.1	2.1	5.0	−5.9	5.8	−1.4	−7.5	7.1	−3.6	−1.1
ental value of farm housing	3.3	5.4	7.3	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.9	9.9
mmediate products purchased [4]	28.6	49.5	56.5	65.4	77.7	82.9	84.5	82.0	83.6	89.2	83.4	72.7
Gross farm product	**26.3**	**50.3**	**50.4**	**60.3**	**71.8**	**65.5**	**79.8**	**77.0**	**59.3**	**77.6**	**75.1**	**76.4**
pital consumption allowances [5]	5.9	10.4	12.9	14.5	16.4	18.9	20.8	22.0	22.4	22.5	22.0	21.3
direct business taxes	2.0	2.5	2.6	2.8	3.0	3.0	3.2	3.3	3.2	3.0	3.1	3.0
sidies to farm operators	3.3	.7	1.7	2.5	1.1	1.1	1.6	2.4	7.9	7.0	6.3	9.6
Farm national income	**21.7**	**38.1**	**36.4**	**45.5**	**53.4**	**44.7**	**57.3**	**54.0**	**41.7**	**59.2**	**56.3**	**61.6**
CONSTANT (1982) DOLLARS												
lue of farm output [1]	**135.2**	**138.6**	**144.8**	**149.8**	**155.8**	**151.7**	**159.3**	**159.0**	**143.1**	**155.2**	**163.6**	**162.7**
marketings cash receipts [2]	112.7	117.4	127.5	129.8	132.5	138.5	136.9	142.9	132.4	133.2	150.6	146.7
oducts consumed [3]	1.7	2.0	1.7	1.5	1.4	1.2	1.1	1.0	1.1	1.0	1.0	.9
e in farm inventories	.8	1.4	−1.8	.6	4.8	−4.7	4.9	−1.4	−6.3	4.6	−4.6	−1.6
rental value of farm housing	16.3	16.4	15.7	15.4	14.9	14.3	13.6	12.9	12.3	12.1	11.7	11.4
termediate products purchased [4]	74.5	73.6	82.6	88.6	91.2	67.6	83.5	82.0	61.6	86.7	84.6	78.0
Gross farm product	**60.7**	**64.8**	**62.2**	**61.0**	**64.6**	**84.2**	**75.7**	**77.0**	**81.3**	**68.5**	**78.9**	**84.7**
apital consumption allowances [5]	16.0	19.0	20.4	21.0	21.7	22.3	22.2	22.0	21.4	20.8	20.0	19.0
direct business taxes	2.6	2.6	2.7	2.6	2.6	2.6	3.3	3.3	2.7	3.0	3.4	3.7
bsidies to farm operators	1.6	1.6	1.9	2.0	2.1	2.3	2.2	2.4	2.0	2.0	2.5	2.4
Farm national income	**43.7**	**44.7**	**41.1**	**39.3**	**42.2**	**41.4**	**52.4**	**54.0**	**39.3**	**46.8**	**58.0**	**64.4**

epresents zero. [1] Includes other farm income not shown separately. [2] Includes net CCC loans. [3] In farm olds where raised. [4] Net of defaulters' gain. [5] With capital consumption adjustment.

ce: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82,* and *of Current Business,* July issues.

Digitized by Google

No. 1074. Farm Income and Expenses: 1970 to 1986

[**In billions of dollars.** See also *Historical Statistics, Colonial Times to 1970*, series K 192, K 259-260, K 264-285, and K 326]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Gross income from farming	58.8	100.6	108.8	128.4	150.7	149.3	166.3	163.5	153.1	174.7	166.0	159.5
Cash income	54.6	90.7	99.3	117.3	135.1	143.3	146.0	150.6	150.4	155.1	156.9	152.1
Marketings, cash receipts	50.5	88.9	96.2	112.4	131.5	139.7	141.6	142.6	136.6	142.3	144.2	135.2
Crops [1]	21.0	45.8	48.6	53.2	62.3	71.7	72.5	72.3	67.1	69.4	74.4	63.6
Net CCC loans [2]	– .1	.2	3.6	(Z)	– .9	.5	3.1	9.1	– .7	– .8	11.8	8.3
Livestock	29.5	43.1	47.6	59.2	69.2	68.0	69.2	70.3	69.4	72.9	69.8	71.5
Government payments	3.7	8	1.8	3.0	1.4	1.3	1.9	3.5	9.3	8.4	7.7	11.9
Other farm income [3]	.6	1.0	1.2	1.9	2.2	2.3	2.5	4.5	4.5	4.4	5.0	5.1
Value of home consumption	.8	1.1	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.1	.9	.9
Rental value of dwellings	3.3	5.4	7.3	8.1	9.3	11.0	12.6	13.1	12.5	12.3	10.9	9.9
Value of change in inventories [4]	(Z)	3.4	1.1	1.9	5.0	– 6.3	6.5	– 1.4	– 10.9	6.2	– 2.7	– 3.5
Expenses of farm production	44.5	75.1	89.0	103.2	123.3	133.1	139.4	140.0	140.4	142.7	133.7	122.1
Intermediate products	25.2	42.5	49.8	60.2	71.9	76.1	76.6	73.7	75.8	76.0	72.0	65.4
Farm origin	13.3	20.0	23.5	28.8	35.2	34.9	33.3	31.4	33.5	32.8	30.4	26.9
Feed purchased	8.0	12.9	14.0	16.0	19.3	21.0	20.9	18.6	21.7	19.9	18.0	16.2
Livestock and poultry purchased	4.3	5.0	7.1	10.2	13.0	10.7	9.0	9.7	8.8	9.5	9.0	9.6
Seed purchased [5]	.9	2.1	2.5	2.6	2.9	3.2	3.4	3.2	3.0	3.4	3.4	3.0
Manufactured inputs	5.4	12.4	13.9	15.3	17.9	22.4	23.9	22.2	20.9	21.5	20.8	17.0
Fertilizer and lime	2.4	6.7	6.5	6.6	7.4	9.5	9.4	8.0	7.1	7.4	7.3	6.8
Pesticides	1.0	1.8	1.9	2.7	3.4	3.5	4.2	4.3	4.2	4.8	4.8	4.3
Fuel and oil	1.7	3.3	4.4	4.6	5.6	7.9	8.6	7.9	7.5	7.1	6.6	4.8
Electricity	.3	.6	1.1	1.4	1.4	1.5	1.7	2.0	2.1	2.2	2.1	2.1
Repairs and maintenance [6]	2.8	4.5	5.8	6.6	7.3	7.6	7.6	6.4	6.5	6.4	6.4	6.4
Other [6]	3.7	5.6	6.7	9.5	11.5	11.2	11.9	13.6	14.9	15.3	14.4	13.7
Interest	3.4	6.4	8.5	10.2	13.1	16.3	19.9	21.8	21.4	21.1	18.7	18.5
Real estate	1.8	3.3	4.3	5.1	6.2	7.5	9.1	10.5	10.8	10.7	9.9	9.1
Non-real estate	1.6	3.1	4.2	5.2	6.9	8.7	10.7	11.3	10.6	10.4	8.8	7.8
Contract and hired labor expenses [7]	4.3	6.6	8.0	8.3	9.0	9.3	8.9	10.1	9.7	9.7	9.8	9.9
Net rent to nonoperator landlords	2.1	4.0	3.4	4.0	6.2	6.1	6.2	6.1	5.1	8.6	8.1	6.7
Capital consumption [8]	6.9	12.4	15.5	17.0	19.3	21.5	23.6	24.3	23.9	23.1	20.9	19.0
Property taxes	2.6	3.2	3.7	3.6	3.9	3.9	4.2	4.0	4.5	4.1	4.2	4.1
Net income of farm operators from farming	14.4	25.5	19.9	25.2	27.4	16.1	26.9	23.5	12.7	32.0	32.3	37.5
In constant (1982) dollars	34.2	43.1	29.5	34.9	34.9	18.8	28.6	23.5	12.2	29.7	29.0	32.8

Z Less than $50 million. [1] Forest product sales are included in cash receipts for crops from 1970 to 1977 and in other farm income beginning 1978. [2] Commodity Credit Corporation (CCC) loans made minus loans repaid. [3] Minus sign (–) indicates decrease in inventories. [4] Includes bulbs, plants, and trees. [5] Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. [6] Includes machine hire and customwork expenses; marketing, storage, and transportation expenses and miscellaneous expenses. Beginning 1978 data not strictly comparable with prior years. [7] Includes Social Security payments and perquisites. [8] Depreciation and accidental damage.

No. 1075. Net Cash Income and Net Cash Flow From Farming: 1970 to 1986

[**In billions of dollars.** Net cash income is for farm operators from their farming operation and net cash flow is for the agricultural sector. Minus sign (–) indicates net loan redemption]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Net cash income	18.4	29.6	27.9	33.1	33.4	34.2	32.8	38.1	37.1	38.8	47.3	52.0
Gross cash income	54.8	90.7	99.3	117.3	135.1	143.3	146.0	150.6	150.4	155.1	156.9	152.1
Cash expenses	36.4	61.1	71.4	84.2	101.7	109.1	113.2	112.5	113.3	116.3	109.6	100.1
Change in loans outstanding	2.3	9.2	14.8	16.5	24.2	15.2	15.5	7.2	3.2	– 1.9	– 15.6	– 20.6
Real estate loans	1.1	4.6	7.9	8.3	13.0	9.9	9.0	3.8	2.3	– 1.1	– 6.0	– 10.2
Nonreal estate loans [1]	1.2	4.6	6.8	8.3	11.2	5.3	6.5	3.4	.9	– .8	– 9.6	– 10.5
Net change in operators' currency and demand deposits	.1	.1	.1	.1	.1	.1	.2	.2	.3	.2	.7	1.1
Net rent received by nonoperator landlords	2.1	4.0	3.4	4.0	6.2	6.1	6.2	6.1	5.1	8.6	8.1	6.7
Capital expenditures	6.8	12.4	15.0	17.9	20.1	18.0	16.8	13.3	12.7	12.5	9.6	8.6
Net cash flow [2]	16.1	30.5	31.1	35.8	43.8	37.6	37.8	36.3	32.9	33.3	30.9	30.5

[1] Excludes Commodity Credit Corporation loans. [2] Net cash income plus change in loans outstanding plus net change in currency and demand deposits plus net rent received by non-operator landlords minus capital expenditures.

Source of tables 1074 and 1075: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual.

Digitized by Google

No. 1076. Farm Income—Cash Receipts From Farm Marketings: 1970 to 1986

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 286-302]

ITEM	FARM MARKETINGS (mil. dol.)								PERCENT		
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1986
Total	50,509	88,902	139,737	142,594	136,580	142,314	144,193	135,185	100.0	100.0	100.0
All crops	20,977	45,813	71,746	72,338	67,143	69,378	74,413	63,612	41.5	51.3	47.1
Feed crops	5,109	12,183	18,308	17,409	15,535	15,831	22,479	17,849	10.1	13.1	13.2
Corn	3,326	8,530	13,959	12,764	10,857	10,671	16,821	13,291	6.6	10.0	9.8
Hay	614	1,387	1,917	2,002	2,157	2,322	2,348	2,140	1.2	1.4	1.6
Sorghum	641	1,302	1,392	1,509	1,220	1,459	1,970	1,391	1.3	1.0	1.0
Barley	298	625	736	803	991	1,070	1,042	834	.6	.5	.6
Oil-bearing crops	3,591	7,480	15,493	13,817	13,546	13,894	12,595	10,507	7.1	11.1	7.8
Soybean	3,164	6,637	14,241	12,525	12,154	12,211	11,305	9,171	6.3	10.2	6.8
Peanuts	360	742	607	814	802	1,233	1,005	1,065	.7	.4	.8
Food grains	2,542	8,195	10,402	11,412	9,713	9,576	9,080	5,948	5.0	7.4	4.4
Wheat	2,067	7,026	8,954	9,866	8,777	8,474	7,927	5,175	4.1	6.3	3.8
Rice	447	1,136	1,519	1,515	882	1,043	1,114	744	.1	1.1	.6
Vegetables [1]	2,814	5,346	7,307	8,063	8,462	9,142	8,558	8,705	5.6	5.2	6.4
Fruits, tree nuts [1]	2,071	3,563	6,557	6,846	6,064	6,788	6,836	6,900	4.1	4.7	5.1
Cotton lint, seed	1,254	2,311	4,447	4,457	3,705	3,270	3,730	2,920	2.5	3.2	2.2
Tobacco	1,388	2,155	2,672	3,342	2,768	2,841	2,722	1,918	2.7	1.9	1.4
Other [2]	2,208	4,579	6,560	6,993	7,352	8,057	8,413	8,865	4.4	4.7	6.6
All livestock and products	29,532	43,089	67,991	70,257	69,437	72,936	69,780	71,573	58.5	48.7	52.9
Cattle and calves	13,633	17,520	31,819	29,813	28,682	30,662	29,057	28,951	27.0	22.8	21.4
Dairy products	6,527	9,923	16,365	18,234	18,763	17,944	18,083	17,824	12.9	11.7	13.2
Hogs	4,478	7,916	8,942	10,659	9,785	9,703	9,029	9,702	8.9	6.4	7.2
Broilers	1,464	2,953	4,303	4,461	4,873	6,008	5,680	6,780	2.9	3.1	5.0
Eggs	2,109	2,814	3,247	3,439	3,449	4,089	3,253	3,515	4.2	2.3	2.6
Turkeys, other poultry [3]	494	808	1,482	1,501	1,510	1,925	2,106	2,255	1.0	1.1	1.7
Sheep and lambs	334	386	471	445	426	466	503	484	.7	.3	.4
Farm chickens	100	110	128	119	147	170	152	128	.2	.1	.1
Other [4]	393	659	1,234	1,586	1,801	1,968	1,937	1,934	.8	.9	1.4

[1] Melons included with vegetables. [2] Sugar crops, greenhouse and nursery products, forest products (for 1970 and 1975), legume and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. [3] Ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. [4] Wool, mohair, honey, horses/mules, aquaculture, and other livestock.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1986*.

No. 1077. Government Payments to Farms, by Program and Value of Farm Sales: 1980 to 1986

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 326-329]

ITEM	1980	1983	1984	1985	1986
Total	1,286	9,295	8,430	7,705	11,813
PROGRAM					
Feed grain	382	1,346	367	2,861	5,158
Wheat	211	864	1,795	1,950	3,500
Cotton	172	662	275	1,106	1,042
Rice	2	278	192	577	423
Wool	28	84	118	98	112
Conservation	214	188	191	189	140
Miscellaneous	276	[1] 5,874	[1] 5,493	[1] 924	1,439
VALUE OF FARM SALES					
Less than $5,000	47	131	73	78	191
$5,000–$9,999	51	86	102	103	214
$10,000–$19,999	59	291	236	206	474
$20,000–$39,999	146	585	569	691	1,242
$40,000–$99,999	414	1,996	1,899	1,897	3,056
$100,000–$249,999	[2] 262	3,027	3,122	2,536	3,844
$250,000–$499,999	[3] 195	1,779	1,445	1,346	1,734
$500,000 and over	91	1,401	984	847	1,059

[1] Includes value of commodities transferred to farmers under the payment-in-kind program (PIK). For 1983, $5.2 billion; for 1984, $4.5 billion; and for 1985, $.1 billion. [2] Farms with sales of $100,000–$199,999. [3] Farms with sales of $200,000–$499,999.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector, National Financial Summary, 1986*.

Digitized by Google

NO. 1078. FARM INCOME—FARM MARKETINGS, 1985 AND 1986, GOVERNMENT PAYMENTS, 1986, AND PRINCIPAL COMMODITIES, 1986, BY STATE

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1074]

DIVISION AND STATE	1985 Farm marketings			1986 Farm marketings			Government payments	State rank for total farm marketings and principal commodities in order of marketing receipts and as percentage of total marketings, 1986
	Total	Crops	Livestock and products	Total	Crops	Livestock and products		
U.S	144,193	74,413	69,780	135,185	63,612	71,573	11,813	Cattle, dairy products, corn, hogs (52%)
N.E	1,679	680	999	1,742	734	1,008	32	
ME	366	137	229	365	143	223	7	45—Dairy products, potatoes, eggs, cattle (75%)
NH	106	36	70	109	38	72	3	48—Dairy products, greenhouse, apples, cattle (77%)
VT	387	34	354	398	36	361	12	43—Dairy products, cattle, hay, apples (93%)
MA	389	262	126	423	292	131	6	42—Greenhouse, cranberries, dairy prod., eggs (75%)
RI	76	62	14	75	63	12	(z)	49—Greenhouse, dairy products, eggs, potatoes (67%)
CT	354	150	205	372	162	210	4	44—Eggs, greenhouse, dairy products, tobacco (76%)
M.A	6,351	2,176	4,175	6,278	2,081	4,197	126	
NY	2,578	730	1,847	2,533	724	1,809	77	21—Dairy products, greenhouse, cattle, eggs (74%)
NJ	587	443	144	580	430	150	6	37—Greenhouse, dairy products, eggs, peaches (49%)
PA	3,187	1,003	2,184	3,165	926	2,239	45	15—Dairy products, cattle, greenhouse, eggs (68%)
E.N.C	24,875	14,292	10,584	22,321	11,359	10,962	2,050	
OH	4,117	2,602	1,515	3,610	2,043	1,566	269	12—Corn, soybeans, dairy products, hogs (66%)
IN	4,791	3,063	1,728	4,110	2,258	1,852	411	10—Corn, hogs, soybeans, cattle (75%)
IL	7,970	5,915	2,055	6,880	4,737	2,143	883	5—Corn, soybeans, hogs, cattle (90%)
MI	2,923	1,692	1,231	2,664	1,429	1,236	221	19—Dairy products, corn, cattle, hogs (56%)
WI	5,075	1,019	4,055	5,057	892	4,164	266	8—Dairy products, cattle, corn, hogs (85%)
W.N.C	38,721	18,507	20,214	35,812	15,598	20,214	5,061	
MN	6,594	3,223	3,370	6,074	2,680	3,395	802	6—Dairy products, corn, cattle, hogs (65%)
IA	9,465	4,582	4,883	9,106	4,124	4,982	1,161	2—Hogs, corn, cattle, soybeans (92%)
MO	3,688	1,763	1,924	3,516	1,586	1,930	276	13—Soybeans, cattle, hogs, corn (71%)
ND	2,688	2,001	687	2,299	1,623	676	700	24—Wheat, cattle, barley, sunflower (69%)
SD	3,057	1,157	1,900	2,463	938	1,525	383	22—Cattle, hogs, corn, wheat (73%)
NE	7,341	3,227	4,113	6,928	2,669	4,260	868	4—Cattle, corn, hogs, soybeans (87%)
KS	5,888	2,552	3,336	5,425	1,978	3,447	871	7—Cattle, wheat, sorghum grain, corn (83%)
S.A	16,589	9,098	7,491	16,115	8,106	8,010	377	
DE	492	139	353	520	118	402	7	41—Broilers, soybeans, corn, greenhouse (82%)
MD	1,220	456	764	1,186	371	814	32	34—Broilers, dairy products, greenhouse, cattle (71%)
VA	1,684	623	1,062	1,613	486	1,127	43	30—Cattle, dairy products, broilers, turkeys (57%)
WV	247	56	191	227	71	156	8	47—Dairy products, broilers, apples, cattle (70%)
NC	3,929	1,971	1,958	3,782	1,608	2,174	90	11—Tobacco, broilers, hogs, turkeys (57%)
SC	1,036	621	415	894	440	455	54	36—Tobacco, cattle, soybeans, dairy products (43%)
GA	3,277	1,550	1,727	3,206	1,324	1,882	116	14—Broilers, peanuts, eggs, cattle (60%)
FL	4,704	3,681	1,022	4,688	3,688	1,000	26	9—Greenhouse, oranges, tomatoes, sugar (51%)
E.S.C	9,351	4,687	4,664	8,107	3,288	4,819	460	
KY	2,934	1,583	1,352	2,389	1,079	1,311	89	23—Tobacco, horses, cattle, dairy products (70%)
TN	2,091	1,091	1,000	1,924	891	1,033	98	27—Cattle, dairy products, greenhouse, soybeans (57%)
AL	2,074	773	1,301	2,009	578	1,431	80	25—Broilers, cattle, eggs, peanuts (69%)
MS	2,250	1,240	1,011	1,785	741	1,044	193	28—Broilers, cotton, soybeans, cattle (69%)
W.S.C	16,882	7,399	9,483	15,459	5,548	9,911	1,845	
AR	3,433	1,607	1,825	3,022	1,005	2,017	314	17—Broilers, soybeans, rice, cattle (67%)
LA	1,485	993	491	1,372	869	503	160	32—Soybeans, cotton, cattle, sugar (50%)
OK	2,683	957	1,726	2,622	746	1,875	393	20—Cattle, wheat, dairy products, broilers (78%)
TX	9,282	3,841	5,441	8,444	2,928	5,516	978	3—Cattle, cotton, dairy products, greenhouse (69%)
Mt	10,473	4,266	6,206	10,120	3,840	6,281	1,039	
MT	1,226	422	804	1,213	493	720	386	33—Cattle, wheat, barley, hay (85%)
ID	2,093	1,219	874	1,925	1,042	884	223	26—Cattle, dairy products, potatoes, wheat (84%)
WY	600	123	478	566	111	455	29	40—Cattle, sheep, sugar beets, hay (86%)
CO	3,181	1,097	2,084	3,109	890	2,218	235	16—Cattle, wheat, corn, dairy products (80%)
NM	1,086	368	718	1,010	302	708	62	35—Cattle, dairy products, hay, chili peppers (74%)
AZ	1,506	813	693	1,495	796	699	84	31—Cattle, cotton, dairy products, lettuce (64%)
UT	555	142	413	570	134	437	36	39—Cattle, dairy products, turkeys, hay (71%)
NV	225	81	144	232	72	160	3	46—Cattle, hay, dairy products, potatoes (89%)
Pac	19,273	13,309	5,964	19,230	13,059	6,171	822	
WA	2,834	1,908	926	2,793	1,812	981	299	18—Dairy products, cattle, apples, wheat (56%)
OR	1,737	1,115	622	1,784	1,135	649	128	29—Cattle, greenhouse, dairy products, wheat (47%)
CA	14,150	9,826	4,324	14,049	9,602	4,446	388	1—Dairy products, cattle, greenhouse, grapes (39%)
AK	26	18	8	29	19	10	1	50—Greenhouse, dairy products, hay, potatoes (82%)
HI	526	443	83	575	491	84	7	38—Sugar, pineapples, greenhouse, nuts (74%)

Z Less than $500 thousand

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Finances Summary, 1986*

Digitized by Google

1079. Farm Income, 1985 and 1986, and Income/Debt Ratio, 1986, by State

data are after inventory adjustment. Includes farm operator households. For farm debt data by State, see table 1072. Minus sign (–) indicates net loss]

GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/ debt ratio, 1986 (per-cent)	DIVISION AND STATE	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/ debt ratio, 1986 (per-cent)
1985	1986	1985	1986			1985	1986	1985	1986	
166,029	159,539	32,334	37,487	22.5	**S.A.**—Con.					
					WV	353	365	38.3	65.8	22.0
460	432	51.1	37.7	10.0	NC	4,543	4,339	1,078.8	1,196.5	37.2
147	151	31.5	37.5	49.2	SC	1,235	1,051	179.4	119.9	9.3
461	469	94.0	109.1	31.3	GA	3,744	3,633	916.2	1,095.1	30.9
429	587	117.2	275.0	111.3	FL	5,013	4,999	1,857.4	2,003.6	56.9
86	87	47.5	49.1	183.2						
423	442	121.6	151.9	72.7	**E.S.C.:**					
					KY	3,131	2,935	769.3	688.9	20.8
					TN	2,652	2,387	544.5	451.4	18.4
2,923	2,893	449.7	598.4	22.9	AL	2,501	2,420	624.7	697.6	35.8
751	745	256.6	279.4	67.2	MS	2,575	2,170	493.8	358.2	10.2
3,661	3,632	817.0	977.8	38.7						
					W.S.C.:					
					AR	3,937	3,659	1,053.1	1,095.1	32.0
4,529	4,127	868.9	806.7	20.9	LA	1,856	1,666	195.1	164.2	8.3
5,081	4,634	632.9	705.3	12.4	OK	3,283	3,360	546.2	807.0	17.6
8,845	7,836	1,537.5	1,475.2	17.2	TX	11,762	10,694	2,377.0	2,350.3	19.8
3,568	3,205	875.0	583.7	15.6						
5,672	5,801	1,048.6	1,561.9	24.4	**Mt.:**					
					MT	1,270	1,848	–271.5	329.3	9.9
					ID	2,505	2,322	393.3	432.4	14.9
					WY	657	678	–51.8	14.9	1.6
7,346	7,099	1,245.3	1,670.4	20.1	CO	3,677	3,573	468.0	555.8	15.8
10,604	10,545	1,589.5	2,330.6	20.3	NM	1,241	1,154	204.0	209.2	17.5
4,682	4,195	764.7	697.9	12.6	AZ	1,822	1,752	338.0	413.5	23.2
3,407	3,125	661.5	694.5	16.9	UT	690	712	62.1	114.7	13.0
3,230	3,066	607.4	753.6	19.0	NV	252	244	14.4	28.0	7.3
8,272	8,072	1,480.8	1,773.2	25.2						
6,977	6,994	1,148.4	1,477.3	24.4	**Pac.:**					
					WA	3,357	3,604	778.4	1,212.1	37.0
					OR	2,192	2,223	493.6	653.2	22.2
					CA	15,603	15,058	4,099.5	4,235.0	32.6
530	554	120.8	165.5	59.0	AK	32	36	10.4	15.0	41.4
1,413	1,350	307.1	368.0	36.2	HI	563	611	139.2	206.1	55.2
2,084	2,011	325.8	392.6	19.6						

Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary.*

D. 1080. Indexes of Prices Received and Paid by Farmers: 1970 to 1986

77 = 100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344–353]

TEM	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
all products	**60**	**105**	**101**	**102**	**115**	**132**	**134**	**139**	**133**	**135**	**142**	**128**	**123**
	52	117	105	102	105	118	125	134	121	128	139	120	106
	59	192	155	129	122	147	165	166	146	148	144	133	109
and hay	57	134	127	120	101	114	132	141	120	143	145	122	98
	36	85	68	99	91	96	114	111	92	104	108	93	91
	62	85	93	93	109	118	125	140	153	155	153	153	138
rops	41	96	81	85	93	103	102	110	88	102	109	84	77
	59	86	85	80	137	144	124	130	175	126	202	161	167
vegetables [2]	59	81	92	91	105	110	113	136	126	130	135	127	129
products	67	94	98	101	124	147	144	143	145	141	146	136	138
t	72	98	100	101	134	166	156	150	155	147	151	142	145
ts	59	86	90	100	109	124	135	142	140	140	139	131	129
ggs	64	94	103	102	106	111	112	116	110	118	135	119	128
d [3]	**55**	**81**	**89**	**95**	**108**	**123**	**138**	**150**	**159**	**161**	**165**	**163**	**159**
	54	83	91	97	108	125	138	148	153	152	155	151	145
	54	104	100	103	98	110	123	134	122	134	135	116	108
ock	77	93	85	97	140	185	177	164	164	160	154	154	153
	43	82	94	92	105	110	118	138	141	141	151	153	148
	48	92	120	102	100	108	134	144	144	137	143	135	124
hemicals	62	76	102	111	94	96	102	111	119	125	128	128	127
ergy	52	79	88	93	105	137	188	213	210	202	201	201	162
ator supplies	86	89	102	100	104	115	134	147	152	152	147	146	144
per acre	39	65	77	86	117	143	176	216	249	256	257	238	216
per acre	68	81	87	94	100	107	114	123	124	129	132	133	134
	57	79	85	93	107	117	126	137	144	148	151	154	160
0–14 = 100) [4]	**72**	**86**	**76**	**71**	**70**	**71**	**65**	**61**	**56**	**56**	**57**	**52**	**51**

r items not shown separately. [2] Excludes potatoes. [3] Includes production items, interest, taxes, wage rates, g component. The family living component is the Consumer Price Index for all urban consumers from the Bureau s. See text, section 15, and table 738. [4] Straight average of seasonally adjusted indexes. [5] Ratio of prices rs to prices paid.

Dept. of Agriculture, National Agricultural Statistics Service, *Agricultural Prices: Annual Summary.*

Digitized by Google

No. 1081. Commodity Credit Corporation—Summary: 1970 to 1986

[In millions of dollars. As of end of fiscal year or for fiscal years ending in year shown; see text, section 9. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
LOAN ACTIVITY [1]											
Loans made	2,388	852	6,385	4,576	4,228	5,849	11,454	13,710	5,131	10,187	17,391
Loans repaid	1,830	939	4,444	4,048	4,148	5,741	4,629	9,373	10,581	4,458	5,675
Loans cancelled by acquisition of collateral	1,073	100	145	318	115	71	363	860	1,032	1,638	5,583
Loans outstanding [2]	**2,952**	**335**	**5,030**	**5,210**	**5,119**	**5,193**	**11,633**	**15,084**	**8,571**	**12,631**	**18,668**
Wheat	576	4	1,316	816	837	1,671	3,321	4,162	3,414	4,591	3,753
Corn	632	39	1,280	1,301	1,617	629	4,210	5,274	1,236	2,766	7,878
Cotton	170	143	153	80	35	76	714	960	67	376	1,076
Tobacco	845	119	751	903	815	784	867	1,738	2,084	2,539	2,336
COMMODITY INVENTORY OPERATIONS											
Acquisitions, value [3] [4]	**1,518**	**835**	**911**	**1,007**	**2,759**	**2,507**	**2,968**	**8,634**	**8,741**	**4,294**	**9,912**
Purchases	398	735	761	677	2,643	2,503	2,593	7,644	7,676	2,616	4,195
Collateral acquired from loans	1,120	100	150	330	116	4	375	990	1,065	1,678	5,717
Wheat	217	4	135	40	601	28	27	1,600	1,983	919	2,196
Corn	49	2	31	195	416	21	179	3,132	2,591	192	2,267
Cotton	304	(z)	(z)	(z)	1	(z)	(z)	175	1,056	53	559
Dairy products	253	480	445	247	1,262	1,991	2,262	2,716	1,983	1,820	2,036
Butter	146	65	154	75	326	528	561	610	360	406	489
Cheese	7	92	51	17	443	768	874	1,173	892	749	764
Dried milk	100	323	240	155	493	695	843	928	731	665	783
Commodities owned, value [5]	**1,858**	**416**	**1,029**	**1,162**	**2,737**	**3,727**	**5,103**	**10,227**	**7,358**	**8,921**	**11,059**
Wheat	405	2	119	118	705	679	679	1,533	1,510	1,951	3,491
Corn	293	(z)	27	209	596	555	709	3,392	1,045	757	1,757
Cotton	225	(z)	(z)	(z)	1	1	2	174	74	48	226
Sorghum	173	(z)	28	92	93	79	91	520	290	359	725
Dairy products	134	290	751	570	1,266	2,396	3,442	4,219	4,102	3,014	2,830
Butter [6]	97	41	240	188	385	709	781	898	857	502	579
Cheese	-	10	55	4	309	888	1,395	1,874	1,683	1,185	1,204
Dried milk	37	239	456	378	572	799	1,266	1,648	1,562	1,327	1,047

- Represents zero. Z Less than $500,000. [1] Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. [2] Includes amounts for commodities and storage facilities, not shown separately. [3] For 1970, includes purchases for commodity export program. [4] Beginning 1983, includes butter oil.

No. 1082. Commodity Credit Corporation—Realized Losses on Price Support and Related Programs: 1970 to 1986

[In millions of dollars. The realized loss or cost for these programs is reimbursed to C.C.C. by congressional appropriations and does not include reimbursements under Public Law 480 (Food for Peace), National Wool Act, or Export Credit Sales Programs. See also headnote, table 1081. Minus sign (-) indicates net loss]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Total net realized loss	**-4,213**	**-710**	**-2,296**	**-3,531**	**-5,723**	**-19,513**	**-8,518**	**-12,935**	**-19,998**
Net realized loss, program [1]	-3,622	-681	-1,544	-2,760	-3,355	-17,643	-7,104	-10,899	-16,625
Producer payments [2]	-2,945	-560	-418	-1,030	-1,491	-4,734	-4,553	-7,308	-13,950
Diversion payments (cash) [3]	-1,014	-5	-56	-	-	-1,332	-913	-1,538	-15
Deficiency payments (cash) [4]	-	-	-80	-	-1,184	-3,286	-3,639	-5,748	-9,737
Deficiency payments (certificates) [4]	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	-2,319
Disaster payments (cash) [5]	-	-555	-257	-1,030	-306	-115	-1	(z)	(z)
Commodity inventory operations	-398	-114	-479	-926	-1,377	-2,562	-2,701	-3,620	-4,255
Net loss on sales	-2	+87	-70	-203	-483	-561	-594	-627	-1,644
Commodity sales proceeds [6]	+880	+450	+962	+902	+562	+1,619	+9,521	+1,758	+2,529
Cost of sales	-882	-363	-1,032	-1,105	-1,045	-2,200	-10,115	-2,385	-4,172
Cost of commodities donated	-185	-168	-184	-432	-572	-1,402	-1,599	-2,464	-1,718
Other expenses [7]	-211	-33	-225	-291	-322	-579	-508	-528	-860
Payment-in-kind program	(x)	(x)	(x)	(x)	(x)	-9,424	-302	+17	-24
Grain reserve storage expense [8]	-144	(z)	-237	-87	-464	-1,113	-278	-307	-342
Other costs and recoveries	-110	-6	-336	-366	+11	+246	+745	+329	+247
Net interest expense [9]	-535	+43	-596	-605	-2,066	-1,523	-1,034	-1,851	-863
Net operating and other expense	-56	-72	-156	-166	-302	-347	-380	-385	-490

- Represents zero. X Not applicable. Z Less than $500,000. [1] Includes other program losses not shown separately. [2] Includes activity for prior year programs and other producer payments not shown separately. For 1970, includes price support payments. For 1986 other major producer payments were: upland cotton inventory protection certificates, $616 million; dairy termination program, $489 million; and diversionary payments (certificates), $368 million. [3] Payments are made to producers of feed grains, upland cotton, wheat, and rice who voluntarily diverted additional acreage from crop production to approved conservation uses or elected to divert wheat acreage for grazing or hay, but only if the Secretary of Agriculture determined that such payments were necessary to meet desirable acreage goals. [4] Payments are made to producers of wheat, feed grains, upland cotton, and rice when the target price for the commodities exceeds the national weighted average market price or the loan rate, whichever is higher. [5] Payments are made to producers of wheat, feed grains, cotton, and rice in the event a crop cannot be planted, or if the quantity harvested is substantially less than the expected production because of drought, flood, or other natural disaster, or other conditions beyond the producers' control. [6] Includes the value of exported commodities charged to P.L. 480, Title II. [7] Covers storage, handling and transportation expenses. [8] Payments to producers for storage of grain under the farmer-owned grain reserve program. For 1970-1975, includes reseal loan storage expense. [9] Interest expense minus interest income.

Source of tables 1081 and 1082: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

Digitized by Google

No. 1083. Civilian Consumer Expenditures for Farm Foods—Farm Value and Marketing Bill: 1970 to 1986

[**In billions of dollars, except percent.** Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 358-360 for data before revisions]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Consumer expenditures, total	110.8	167.0	216.9	245.2	264.4	287.7	298.9	315.0	332.0	345.4	361.1
Farm value, total	35.5	55.6	69.5	79.2	81.7	83.2	83.7	85.7	91.4	88.3	89.0
Marketing bill, total [1]	75.1	111.4	147.4	166.0	182.7	204.5	215.2	229.3	240.6	257.1	272.1
Percent of total consumer expenditures	67.9	66.7	68.0	67.7	69.1	71.1	72.0	72.8	72.5	74.4	75.4
At-home expenditures [2]	78.2	116.2	149.2	169.4	180.1	194.0	196.7	204.6	213.1	220.8	227.8
Farm value	29.1	44.0	56.4	64.5	65.9	66.6	65.9	66.8	70.7	68.1	68.0
Marketing bill [1]	49.1	72.2	92.8	104.9	114.2	127.4	130.8	137.8	142.4	152.7	159.8
Percent of at-home expenditures	62.8	62.1	62.2	61.9	63.4	65.7	66.5	67.4	66.8	69.2	70.1
Away-from-home expenditures	32.4	50.8	67.7	75.8	84.3	93.7	102.2	110.4	118.9	124.6	133.3
Farm value	6.4	11.6	13.1	14.7	15.8	16.6	17.8	18.9	20.7	20.2	21.0
Marketing bill [1]	26.0	39.2	54.6	61.1	68.5	77.1	84.4	91.5	98.2	104.4	112.3
Percent of away-from-home expenditures	80.2	77.2	80.6	80.6	81.3	82.3	82.6	82.9	82.6	83.8	84.2
Marketing bill cost components:											
Labor cost [3]	32.2	48.3	66.2	75.2	81.5	91.0	96.6	102.4	109.3	116.5	123.7
Packaging materials	8.2	13.3	16.6	18.6	21.0	22.6	23.7	24.7	26.2	26.9	28.1
Rail and truck transport [4]	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8
Corporate profits before taxes	3.6	7.1	10.3	10.4	10.2	10.0	9.6	9.8	10.8	11.1	12.0
Fuels and electricity	2.2	4.6	7.1	8.2	9.0	10.0	11.0	11.7	12.5	13.2	13.6
Other [5]	23.7	29.7	36.7	41.9	48.0	56.6	59.6	65.3	65.9	72.9	77.9
Processing	29.7	40.9	53.5	60.3	66.3	73.0	74.7	77.6	80.2	87.6	91.9
Wholesaling	8.7	13.5	16.5	18.6	20.4	22.8	25.6	27.1	28.4	29.6	30.8
Transportation	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.4	15.9	16.5	16.8
Retailing and food service	31.5	48.6	66.9	75.4	83.0	94.4	100.2	109.2	116.1	123.4	132.6
SELECTED FOOD COMMODITY GROUPS											
Meat products:											
Total expenditures	33.7	48.0	69.5	80.2	83.3	86.6	91.9	97.9	101.7	103.2	106.0
Farm value	14.4	20.6	28.0	31.5	30.8	31.1	31.5	31.4	32.4	30.5	30.8
Percent of total	42.7	42.9	40.3	39.3	37.0	35.9	34.3	32.1	31.9	29.6	29.1
Marketing bill [1]	19.4	27.4	41.5	48.7	52.5	55.5	60.4	66.5	69.3	72.7	75.2
Poultry and eggs:											
Total expenditures	9.1	12.7	15.2	17.4	18.3	19.9	20.3	21.7	24.2	26.0	26.5
Farm value	4.0	6.3	7.3	8.1	8.4	8.8	8.5	9.3	11.0	10.2	11.7
Percent of total	44.0	49.6	48.0	46.6	45.9	44.2	41.9	42.9	45.5	39.2	41.1
Marketing bill [1]	5.1	6.4	7.9	9.3	9.9	11.1	11.8	12.4	13.2	15.8	16.8
Dairy products:											
Total expenditures	16.7	23.3	30.1	33.5	37.8	41.4	42.0	45.0	47.4	49.4	52.0
Farm value	6.9	10.0	12.7	14.6	16.0	17.0	16.7	18.0	18.1	17.7	17.8
Percent of total	41.3	42.9	42.2	43.6	42.3	41.1	39.8	40.0	38.2	35.8	34.2
Marketing bill [1]	9.8	13.3	17.4	18.9	21.8	24.4	25.3	27.0	29.3	31.7	34.2
Fruits and vegetables:											
Total expenditures	22.6	35.6	46.3	52.5	55.5	62.8	66.7	70.0	74.7	78.5	82.1
Farm value	5.1	8.4	10.0	10.9	11.7	13.3	13.8	13.3	15.1	15.2	15.2
Percent of total	22.6	23.6	21.6	20.8	21.1	21.2	20.7	19.0	20.2	19.4	18.5
Marketing bill [1]	17.5	27.2	36.3	41.6	43.8	49.5	52.9	56.7	59.6	63.3	66.9
Bakery, grain mill products:											
Total expenditures	13.6	24.1	27.5	31.6	35.2	37.9	39.6	40.6	43.3	45.5	48.1
Farm value	2.0	4.1	3.8	4.8	5.1	4.9	4.8	4.9	5.1	4.7	4.3
Percent of total	14.7	17.0	13.8	15.2	14.5	12.9	12.1	12.1	11.8	10.3	8.9
Marketing bill [1]	11.6	20.0	23.7	26.8	30.1	33.0	34.8	35.7	38.2	40.8	43.8

[1] The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. [2] Food primarily purchased from retail food stores for use at home. [3] Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. [4] Excludes local hauling. [5] Represents advertising, rents, depreciation, interest on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review, 1986*, AER No. 574, July 1987; *Food Consumption, Prices, and Expenditures, 1985*, SB-749, January 1987; *Agricultural Outlook*, periodic, and *Agricultural Statistics*, annual.

No. 1084. Farmer Marketing and Farm Supply Cooperatives—Summary: 1970 to 1985

[**1970–1977, for fiscal years** of cooperatives ending between July 1 of preceding year and June 30 of year shown. Beginning **1978, reports of cooperatives are for the calendar year.** Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Memberships and businesses are estimated. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Cooperatives listed	7,790	7,645	6,736	6,600	6,445	6,293	6,211	6,125	5,989	5,782	5,625
Marketing [1]	5,015	4,916	4,143	4,050	3,998	3,924	3,855	3,826	3,781	3,646	3,569
Farm supply	2,775	2,729	2,593	2,550	2,507	2,369	2,356	2,299	2,208	2,136	2,056
Memberships [2] **(1,000)**	6,355	6,123	5,758	5,695	5,627	5,379	5,335	5,138	4,955	4,842	4,781
Marketing [1] (1,000)	3,133	3,151	2,692	2,632	2,567	2,574	2,479	2,469	2,402	2,445	2,383
Farm supply (1,000)	3,222	2,972	3,066	3,063	3,060	2,804	2,856	2,666	2,553	2,397	2,396
Business [3] **(mil. dol.)**	19,080	41,342	43,584	47,305	56,268	56,254	71,534	69,150	66,755	73,047	65,601
Marketing [1] (mil. dol.)	15,207	32,682	33,027	36,253	42,747	50,120	54,475	52,788	50,812	56,076	46,961
Farm supply (mil. dol.)	3,873	8,660	10,557	11,052	13,521	16,134	17,059	16,362	15,943	16,969	16,641

[1] Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. [2] Excludes nonvoting patrons. [3] Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

Digitized by Google

No. 1085. Selected Indexes of Farm Inputs: 1960 to 1985

[1977 = 100. Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 486–495 for data before revisions]

INPUT	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	99	96	97	102	105	103	102	100	97	96	98
Farm labor	177	112	106	100	99	96	96	93	97	92	85
Farm real estate [1]	103	105	97	100	103	103	103	103	101	99	97
Mechanical power and machinery	83	85	96	104	104	101	98	94	90	88	83
Agricultural chemicals [2]	32	75	83	107	123	123	129	118	105	121	123
Feed, seed, and livestock purchases [3]	77	96	93	108	115	114	108	106	108	104	110
Taxes and interest	95	102	100	99	103	100	99	99	99	95	96
Miscellaneous	77	89	82	103	113	96	108	115	100	110	116

[1] Includes service buildings, improvements. [2] Includes fertilizer, lime, and pesticides. [3] Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

No. 1086. Farm Machinery and Equipment: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 184–191]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Value of farm implements and machinery [1]	Bil. dol.	34.4	63.1	76.4	83.3	93.2	99.3	107.8	107.9	106.2	102.7	92.4	84.5
Farmers' expenditures:													
Motor vehicles [2]	Mil. dol.	2,030	3,833	4,927	5,580	6,284	5,813	5,652	4,436	4,725	4,583	3,699	3,227
Machinery, equipment	Mil. dol.	2,888	4,820	5,657	7,158	8,002	6,956	6,481	5,068	4,735	4,682	3,660	3,193
Retail sales: [3]													
Tractors, total [4]	1,000	135.5	161.1	130.9	139.6	139.0	119.3	103.8	77.2	71.3	66.7	58.5	47.1
2-wheel drive	1,000	135.5	150.5	123.2	130.9	127.5	108.4	94.1	70.4	66.2	62.7	55.5	45.1
4-wheel drive	1,000	(NA)	10.6	7.7	8.7	11.5	10.9	9.7	6.8	5.1	4.0	3.0	2.0
Combines	1,000	26.7	33.1	28.6	31.5	32.3	25.7	26.8	16.2	12.8	11.4	8.4	7.7
Corn heads	1,000	18.5	25.4	20.7	21.2	22.4	17.2	15.7	9.3	6.8	6.4	5.0	4.7
Field forage harvesters	1,000	15.0	13.1	13.2	11.5	12.5	9.5	7.6	5.1	4.1	3.5	2.5	2.2

NA Not available. [1] Farm inventory valuations as of December 31. Includes family automobiles. [2] For farm business use. [3] Source: Farm and Industrial Equipment Institute, Chicago, IL, unpublished data. [4] Beginning 1977, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual. Also in *Agricultural Statistics*, annual.

No. 1087. Supply and Use of Fertilizer: 1970 to 1986

[For years beginning July 1]

ITEM	Unit	1970–1974, annual avg.	1975–1979, annual avg.	1980	1981	1982	1983	1984	1985	1986
Production	Mil. nutrient tons	20.9	24.9	29.3	29.7	25.5	22.6	24.5	26.8	22.9
Imports	Mil. nutrient tons	5.3	6.4	8.2	8.2	7.7	7.4	9.4	9.4	9.1
Exports	Mil. nutrient tons	3.2	5.3	7.6	8.4	6.9	6.5	6.9	9.3	[1] 5.7
Agricultural consumption	Mil. nutrient tons	17.6	20.7	23.1	23.7	21.4	18.1	21.8	21.7	19.8

[1] Excludes exports of superphosphoric acid which are no longer reported.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Resources: Inputs Outlook and Situation Report*, periodic.

Digitized by Google

No. 1088. Hired Farmworkers—Workers and Earnings: 1975 to 1985

[Represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of regions, see fig. I, inside front cover]

Characteristic	Workers (1,000)									Average annual earnings received from hired farmwork			
	1975	1981	1983	1985						1975	1981	1983	1985
				Total	Duration of farmwork								
					Under 25 days	25–74 days	75–149 days	150–249 days	250 days and over				
All workers	2,638	2,492	2,595	2,522	943	509	281	344	445	$1,488	$2,659	$3,138	$3,247
White [1]	1,907	1,824	1,888	1,922	791	395	213	179	344	1,379	2,359	2,899	3,018
Black and other [1]	446	340	376	274	97	52	35	60	30	1,524	2,668	3,587	3,009
Hispanic	285	328	331	326	55	62	33	105	71	2,154	4,319	5,131	4,795
Northeast	227	204	191	231	84	51	14	24	58	1,287	2,977	3,577	3,417
Midwest	674	688	687	851	372	169	99	84	127	1,212	2,019	2,082	2,717
South	1,074	1,004	995	860	309	167	103	132	149	1,289	2,217	2,886	3,088
West	664	595	722	580	178	122	65	104	111	2,157	4,037	4,372	4,194
Migratory	188	115	226	159	37	53	25	35	9	2,003	2,728	4,638	2,588
Nonmigratory	2,450	2,377	2,369	2,363	906	456	256	309	436	1,448	2,656	2,994	3,291
14–17 years old	835	605	487	552	318	146	43	19	26	421	753	807	743
18–24 years old	733	760	794	739	267	173	91	94	114	1,517	2,488	2,161	2,666
25–34 years old	393	498	580	601	192	106	70	106	127	2,209	3,684	4,352	4,268
35–44 years old	219	236	289	260	81	38	28	38	75	2,369	4,631	5,390	4,736
45–54 years old	193	180	197	185	43	13	24	48	57	(NA)	3,980	4,986	6,269
55–64 years old	144	104	168	110	21	17	16	22	34	(NA)	4,077	4,623	5,280
65 years and over	120	108	80	75	21	16	9	17	12	937	1,938	2,406	3,626

NA Not available. [1] Excludes persons of Hispanic origin.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Hired Farm Working Force*, periodic.

No. 1089. Farm Productivity—Labor-Hours and Indexes of Farm Output per Hour: 1960 to 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 407–413, K 430–444, and W 67–81]

Item	1960	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Hours of labor required on farms [1] (bil.)	**9.8**	**5.9**	**5.0**	**4.8**	**4.4**	**4.3**	**4.3**	**4.2**	**4.0**	**3.7**	**3.8**	**3.6**
Unproductive livestock (bil.)	3.8	2.3	1.7	1.8	1.4	1.3	1.3	1.2	1.1	1.1	1.0	.9
Crops (bil.)	[2] 4.8	2.8	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.1	2.3	2.2
Farm maintenance (bil.)	[3] 1.4	.8	.7	.6	.8	.6	.6	.6	.5	.5	.5	.5
INDEX (1977 = 100)												
Farm output per hour	**37**	**66**	**89**	**94**	**108**	**119**	**113**	**131**	**133**	**122**	**138**	**155**
Livestock and products	32	64	85	93	109	117	129	136	143	154	162	175
Meat animals	40	67	87	94	108	117	127	136	138	149	153	163
Milk cows	27	57	81	91	109	122	135	150	164	187	212	244
Poultry	25	55	81	94	109	119	125	135	142	152	162	173
Crops	41	70	89	91	105	118	105	121	124	105	123	136
Feed grains	33	62	90	95	111	125	107	132	136	96	133	149
Hay and forage	43	74	94	90	109	116	109	122	128	122	132	135
Food grains	73	93	101	98	104	115	118	129	129	131	140	142
Vegetables	69	91	93	100	104	109	113	119	120	119	117	123
Fruits and nuts	61	84	97	101	103	104	112	108	115	115	116	119
Sugar crops	52	79	97	100	103	103	104	111	109	106	108	109
Cotton	13	31	57	70	100	132	103	145	149	141	172	194
Tobacco	46	79	97	101	109	99	104	117	122	106	129	137
All crops	52	72	88	84	98	110	90	110	113	96	109	133
Land used for crops [4]	**94**	**88**	**97**	**98**	**97**	**100**	**101**	**102**	**101**	**88**	**99**	**98**
Crop production per acre	77	88	96	94	105	113	100	115	116	100	112	118

[1] Represents labor used on crops, livestock, and farm maintenance. [2] Includes work on farm gardens. [3] Includes work on horses and mules. [4] Harvested acreages plus acreages of crop failure and summer fallow

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

Digitized by Google

No. 1090. Farm Labor—Annual Average Labor-Hours Per Unit of Production, Selected Crops and Livestock: 1960–1964 to 1982–1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 445–485]

CROP	1960–1964	1970–1974	1982–1986	CROP AND LIVESTOCK	1960–1964	1970–1974	1982–1986
Corn for grain: Hours per acre [1]	7.0	4.3	3.1	Tobacco: Hours per acre [2]	493	298	216
Yield per acre (bu.)	62.2	84.0	109.3	Yield per acre (1,000 lb.)	1.9	2.0	2.1
Hours per 100 bushel	11	5	3	Hours per 100 lb	26	14	10
Wheat: Hours per acre [1]	3.0	2.9	2.6	Milk cows: Hours per cow	93	62	24
Yield per acre (bu.)	25.2	31.0	36.9	Milk per cow (cwt)	75	101	127
Hours per 100 bushel	12	9	7	Hours per cwt of milk	1.2	.6	.2
Hay: Hours per acre [1]	5.0	3.7	3.0	Cattle, exc. milk cows:			
Yield per acre (sh. tons)	1.77	2.12	2.45	Hours per cwt of beef produced [3]	2.6	1.7	.9
Hours per sh. ton	2.6	1.6	1.2	Hogs: Hours per cwt produced [3]	1.9	1.0	.3
Potatoes: Hours per acre [1]	48.0	41.6	32.6	Chickens: [4] Hours per 100 layers	126	78	44
Yield per acre (cwt)	195	234	284	Rate of lay [5]	212	225	246
Hours per sh. ton	5	4	2	Hours per 100 eggs produced	6	3	2
Cotton: Hours per acre [1]	47	18	5	Broilers: Hours per 100 birds	3	1	4
Yield per acre (lb.)	475	470	581	Hours per cwt produced [3]	8	3	1
Hours per bale	47	18	5	Turkeys: Hours per cwt produced [3]	2.4	.8	.2

[1] Labor-hours per acre harvested, including pre-harvest work on acreages abandoned, grazed, and turned under. [2] Per acre planted and harvested. [3] Liveweight production. [4] Laying flocks and eggs. [5] Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1091. Farm Output Indexes and Acreage of Principal Crops: 1960 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 414–429]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985, prel.	1986, prel.
INDEX (1977 = 100)												
Farm output [1]	76	84	95	104	111	104	116	116	96	112	119	113
Per unit of total input	76	87	99	101	105	101	116	116	98	117	121	(NA)
Gross production:												
Livestock and products [2]	82	99	95	101	104	108	109	107	109	107	110	111
Meat animals	80	102	97	100	103	107	106	101	104	101	101	(NA)
Dairy products	95	95	94	99	101	105	108	110	114	110	117	(NA)
Poultry and eggs	68	93	92	106	114	115	119	119	120	123	128	(NA)
Crops [3]	72	77	93	102	113	101	117	117	88	111	117	108
Feed grains	69	71	91	108	116	97	121	122	67	116	133	(NA)
Hay and forage	83	92	100	106	108	98	106	109	100	107	106	(NA)
Food grains	66	69	108	93	108	121	144	138	117	129	121	(NA)
Vegetables	88	96	97	103	107	104	111	116	107	117	122	(NA)
Fruits and nuts	69	81	98	99	105	119	111	113	110	114	108	(NA)
Sugar crops	60	95	114	101	94	97	107	96	93	95	97	(NA)
Cotton	102	72	58	76	102	79	109	85	55	91	94	(NA)
Tobacco	102	100	114	106	80	93	108	104	75	90	61	(NA)
Oil crops	38	66	86	105	129	99	114	121	91	106	117	(NA)
CROPLAND USED FOR CROPS (millions of acres)												
Planted or grown	324	293	336	338	348	352	366	362	306	348	342	325
Harvested [4]	317	289	330	330	340	342	351	347	294	337	333	316

NA Not available. [1] Annual production available for eventual human use. [2] Includes livestock products not shown separately and excludes horses and mules. [3] Includes crops not shown separately. [4] Land supporting one or more harvested crops.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1986*. Also in *Agricultural Statistics*, annual.

No. 1092. Acreages of Crops Harvested for Specified Purposes: 1960 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 496–499]

ITEM	Unit	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Crops harvested [1]	Mil. acres	[2] 324	293	336	338	348	352	366	362	306	348	342	325
Domestic use	Mil. acres	255	221	236	224	223	215	237	249	182	252	263	231
Per capita [3]	Acres	1.41	1.08	1.09	1.00	.99	.94	1.03	1.07	.77	1.06	1.10	.95
Exports	Mil. acres	64	72	100	114	125	137	129	113	124	96	79	94
Percent of total	Percent	19.8	24.6	29.8	33.7	35.9	38.9	35.2	31.2	40.5	27.6	23.1	28.9
Crop failure	Mil. acres	6	5	6	7	6	10	6	5	5	6	6	9

[1] Preliminary. [2] Area in principal crops harvested as reported by Economic Research Service plus acreage in vegetables, fruits, tree nuts, and farm gardens. [3] Includes feed for horses and mules, not shown separately. [4] Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1986*.

Digitized by Google

No. 1093. Selected Farm Products—Production and Exports: 1970 to 1986

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Corn for grain: Production	Mil. bu	4,152	5,641	7,928	6,639	8,119	8,235	4,175	7,674	8,877	8,253
Exports [1]	Mil. bu	517	1,711	2,433	2,355	2,010	1,634	1,901	1,865	1,241	1,450
Percent of production	Percent	12.5	29.3	30.7	35.5	24.8	22.3	45.5	24.3	14.0	17.6
Soybeans, for beans: Production	Mil. bu	1,127	1,548	2,261	1,798	1,989	2,190	1,636	1,861	2,099	2,007
Exports [1]	Mil. bu	434	555	875	724	929	905	743	598	740	700
Percent of production	Percent	38.5	35.9	38.7	40.3	46.7	41.3	45.4	32.1	35.7	34.9
Wheat: Production	Mil. bu	1,352	2,127	2,134	2,381	2,785	2,765	2,420	2,595	2,425	2,087
Exports [1]	Mil. bu	741	1,173	1,375	1,514	1,771	1,509	1,429	1,424	915	1,025
Percent of production	Percent	54.8	55.2	64.4	63.6	63.8	54.6	59.0	54.9	37.7	49.1
Cotton: Production	Mil. bales [2]	12.5	8.3	14.6	11.1	15.8	12.3	7.8	13.0	13.4	17.7
Exports [1]	Mil. bales [2]	3.9	3.3	9.2	5.9	8.6	5.2	6.8	6.2	2.0	8.8
Percent of production	Percent	38.2	39.8	63.0	53.2	42.3	43.3	87.2	47.7	14.9	69.4
Tobacco: [3] Production	Mil. lb	1,906	2,182	1,527	1,786	2,064	1,994	1,429	1,728	1,512	1,166
Exports [1]	Mil. lb	639	655	894	649	697	628	596	666	620	(NA)
Percent of production	Percent	33.5	30.0	45.4	36.3	33.8	31.5	41.7	38.5	41.0	(NA)

NA Not available. [1] Represents marketing year for each product. [2] 480 lb. net weight bales. [3] Farm sales weight.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

No. 1094. Selected Farm Products—U.S. and World Production and Exports: 1983 to 1985

[In metric tons, except as indicated. Metric ton = 1.102 short tons or .984 long tons]

ITEM	Unit	AMOUNT						U.S. AS PERCENT OF WORLD		
		U.S.			World					
		1983	1984	1985	1983	1984	1985	1983	1984	1985
PRODUCTION [1]										
Wheat	Million	66	71	66	489	511	499	13.5	13.9	13.2
Corn for grain	Million	106	195	225	347	459	483	30.5	42.5	46.6
Soybeans	Million	44.5	50.8	57.1	83.2	93.1	96.9	53.5	54.4	58.9
Rice, rough	Million	4.5	6.3	6.1	454	468	470	1.0	1.3	1.3
Tobacco, unmanufactured [2]	1,000	649	784	686	6,051	6,493	6,883	10.7	12.0	9.9
Vegetable oils	Million	5.8	6.3	6.4	42.3	46.1	49.2	13.7	13.7	13.0
Cotton	Million bales [3]	7.8	13.0	13.4	68.1	88.1	79.3	11.4	14.7	18.9
EXPORTS [4]										
Wheat [5]	Million	38.9	38.8	24.9	102.0	107.0	96.0	38.1	36.3	25.9
Corn	Million	48.3	47.4	31.5	60.9	66.8	62.4	79.3	71.0	50.5
Soybeans	Million	20.2	16.3	20.1	26.2	25.3	26.0	77.1	64.4	77.3
Rice, milled basis	Million	2.3	2.1	1.9	11.9	12.6	11.5	19.3	16.7	16.5
Tobacco, unmanufactured [6]	1,000	239	246	249	1,370	1,408	1,415	17.4	17.5	17.6
Vegetable oils	Million	1.4	1.2	1.1	13.7	15.6	16.4	10.2	7.7	6.7
Cotton	Million bales [3]	6.8	6.2	2.0	19.2	20.5	20.5	35.4	30.2	9.8

Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. [2] Farm sales weight basis. [3] Bales of 480 lb. net weight. [4] Trade years may vary by commodity. [5] Includes wheat flour on a grain equivalent. [6] Dried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series*, periodic.

No. 1095. U.S. Sales and Donations Under Food for Peace (Public Law 480) Programs—Total, 1954 to 1986, and by Selected Country, 1986

[In millions of dollars. For fiscal years ending in year shown; see text, section 9]

YEAR	Total	Title I sales (loans) [1]	TITLE II DONATIONS			COUNTRY	1986	
			Total	Voluntary relief agencies	Emergency relief and other [2]		Sales	Donations
1954-1986, total	40,269	24,364	15,905	10,030	5,875	**Total** [3]	**890.0**	**759.0**
						Egypt	217.5	6.8
	1,142	711	432	181	250	Sudan	45.0	5.0
	1,326	868	461	266	194	Bangladesh	82.0	31.6
	1,267	746	541	374	167	India	–	103.2
						Ethiopia	–	78.3
	1,436	843	593	340	253	Pakistan	47.5	42.0
	1,542	774	768	471	297	Morocco	40.0	5.8
	1,314	690	624	456	168	El Salvador	44.0	10.4
	1,373	773	600	422	178	Philippines	35.0	8.3
	1,524	784	740	523	217	Indonesia	32.3	4.3
	2,052	984	1,068	749	319	Dominican Republic	30.0	1.8
	1,649	890	759	587	172	Jamaica	35.0	2.6

– Represents zero. [1] Includes Title III, Food for Development program. [2] Includes economic development and world food programs. [3] Includes other countries not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

Digitized by Google

No. 1096. Agricultural Exports and Imports—Value: 1970 to 1986

[In billions of dollars, except percent. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255]

YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports
1970–1974, avg	5.5	12.8	21	7.3	12	1977	10.2	23.6	20	13.4	9
1975–1979, avg	13.5	26.5	20	13.0	11	1978	14.6	29.4	21	14.8	9
1980–1984, avg	21.9	39.0	18	17.1	8	1979	18.0	34.7	19	16.7	9
1970	1.5	7.3	17	5.8	15	1980	25.9	41.2	19	17.4	7
1971	1.9	7.7	18	5.8	13	1981	26.6	43.3	19	16.8	6
1972	2.9	9.4	19	6.5	12	1982	21.2	36.6	18	15.4	6
1973	9.3	17.7	25	8.4	12	1983	19.5	36.1	18	16.6	6
1974	11.7	21.9	23	10.2	10	1984	18.5	37.8	18	19.3	6
1975	12.8	21.9	21	9.3	10	1985	9.1	29.0	14	20.0	6
1976	12.0	23.0	20	11.0	9	1986	5.0	26.0	13	21.1	6

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.–Feb. issues. Also in *Agricultural Statistics*, annual.

No. 1097. Agricultural Exports—Value, by Principal Commodities and Selected Countries of Destination: 1970 to 1986

[See headnote, table 1096. Data by country of destination not adjusted for transshipments prior to 1982]

COMMODITY AND COUNTRY	VALUE (mil. dol.)								PERCENT		
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1980	1986
Total agricultural exports [1]	**7,255**	**21,859**	**41,233**	**36,627**	**36,099**	**37,804**	**29,041**	**26,046**	**100.0**	**100.0**	**100.0**
Grains and feeds [2]	2,720	11,932	19,117	15,687	16,250	17,163	11,882	8,622	37.5	46.4	33.1
Feed grains and products	1,093	5,283	9,831	6,527	7,351	8,204	6,112	3,167	15.1	23.8	12.2
Corn	818	4,422	8,492	5,582	6,367	6,999	5,206	2,599	11.3	20.6	10.0
Wheat and products	1,136	5,353	6,660	6,928	6,560	6,740	3,898	3,280	15.7	16.2	12.6
Rice	313	858	1,289	997	926	845	665	621	4.3	3.1	2.4
Oilseeds and products [2]	1,931	4,452	9,395	9,141	8,716	8,369	5,794	6,464	26.6	22.8	24.8
Soybeans	1,228	2,865	5,880	6,218	5,913	5,418	3,732	4,321	16.9	14.3	16.6
Soybean oil cake and meal	344	639	1,665	1,411	1,527	997	870	1,233	4.7	4.0	4.7
Vegetable oils and waxes	295	635	1,216	952	888	1,270	870	669	4.1	2.9	2.6
Soybean oil	194	269	689	486	424	757	432	253	2.7	1.7	1.0
Animals and animal products [2]	865	1,686	3,766	3,935	3,787	4,226	4,150	4,494	11.9	9.1	17.3
Hides and skins, incl. furskins	187	407	1,046	1,022	1,010	1,383	1,295	1,506	2.6	2.5	5.8
Cattle hides	130	260	623	704	742	1,046	1,007	1,205	1.8	1.5	4.6
Meats and meat products	132	432	990	978	916	926	905	1,113	1.8	2.2	4.3
Fats, oils, and greases	246	360	769	863	600	698	619	411	3.4	1.9	1.6
Poultry and poultry products	82	157	603	515	428	415	384	496	1.1	1.5	1.9
Cotton, excluding linters	372	991	2,864	1,955	1,817	2,441	1,633	773	5.1	6.9	3.0
Tobacco, unmanufactured	517	852	1,334	1,547	1,462	1,511	1,521	1,209	7.1	3.2	4.6
Fruits and preparations	334	699	1,335	1,376	1,349	1,243	1,186	1,297	4.6	3.2	5.0
Fresh fruits	164	404	739	796	829	758	743	844	2.3	1.8	3.2
Vegetables and preparations	219	505	1,189	1,174	980	1,002	930	1,062	3.0	2.9	4.2
Nuts and preparations	69	169	757	541	496	604	683	743	1.0	1.8	2.9
Other	232	573	1,477	1,271	1,242	1,243	1,262	1,362	3.2	3.6	5.2
Asia [1]	2,717	7,620	14,886	13,674	14,058	14,907	11,191	10,533	37.5	36.1	40.4
Japan	1,214	3,082	6,111	5,555	6,251	6,782	5,409	5,106	16.7	14.8	19.6
South Korea	224	830	1,797	1,581	1,840	1,650	1,413	1,293	3.1	4.4	5.0
China, Taiwan	134	565	1,095	1,155	1,308	1,458	1,231	1,164	1.9	2.7	4.5
Western Europe [1] [3]	2,534	7,177	11,744	11,463	9,999	8,837	6,937	7,017	34.9	28.5	26.9
European Economic Community [4]	2,318	6,769	11,033	10,657	9,299	8,257	6,477	6,595	29.4	22.4	25.3
Netherlands	526	1,722	3,412	3,085	2,576	2,323	1,869	2,069	7.3	5.3	7.9
West Germany	529	1,564	1,831	1,448	1,529	1,065	944	1,042	7.3	4.4	4.0
United Kingdom	411	588	928	915	823	754	604	678	5.7	2.3	2.6
Italy	210	796	1,094	989	731	806	669	720	2.9	2.7	2.8
France	164	406	748	625	485	507	403	435	2.3	1.8	1.7
Spain [5]	143	776	1,129	1,681	1,264	1,029	837	701	2.0	2.7	2.7
Portugal [6]	35	261	608	578	660	698	438	294	.5	1.5	1.1
Latin America [1]	688	2,274	6,150	4,438	5,213	5,263	4,224	3,639	9.5	14.9	14.0
Brazil	68	323	680	526	479	506	470	555	.9	1.6	2.1
Mexico	155	588	2,468	1,156	1,942	1,993	1,439	1,074	2.1	6.0	4.1
Venezuela	98	277	701	671	665	783	638	450	1.4	1.7	1.7
Canada	826	1,304	1,852	1,820	1,844	1,983	1,622	1,547	11.4	4.5	5.9
Soviet Union	16	1,133	1,047	1,871	1,473	2,878	1,923	658	.2	2.5	2.5
Eastern Europe	169	616	2,071	847	839	758	479	433	2.3	5.0	1.7
Africa [1]	254	1,134	2,179	2,238	2,458	2,972	2,488	1,995	3.5	5.3	7.7
Egypt	26	425	770	803	970	909	891	805	.4	1.9	3.1

[1] Includes areas not shown separately. [2] Includes commodities not shown separately. [3] As of Jan. 1, 1982, includes Canary Islands and Madeira Islands. For consistency, data for all years are shown on same basis. [4] Includes Belgium, Luxembourg, Denmark, Greece, and Ireland not shown separately. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. As of Jan. 1, 1986, Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis. [5] As of Jan. 1, 1984, includes Canary Islands and Spanish Africa, not elsewhere classified. [6] As of Jan. 1, 1984, includes Madeira Islands and Azores.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

Digitized by Google

NO. 1098. AGRICULTURAL EXPORTS—VALUE, BY LEADING STATES: 1986

[In millions of dollars. For year ending September 30]

COMMODITY	Total value	FIVE LEADING STATES									
		1		2		3		4		5	
		State	Value	State	Value	State	Value	State	Value	State	Value
All commodities[1]	**26,324.7**	**CA**	**2,408.8**	**IL**	**2,153.1**	**IA**	**2,059.2**	**KS**	**1,539.3**	**NE**	**1,504.0**
Soybeans and products	5,573.4	IL	1,015.9	IA	822.5	IN	491.8	MO	479.2	OH	426.5
Feed grains and products	4,713.9	IA	889.3	IL	814.1	NE	563.5	IN	393.7	MN	389.0
Wheat and products	3,546.2	ND	678.0	KS	643.0	TX	283.7	OK	244.9	CO	204.2
Hides and skins	1,455.5	KS	233.8	TX	214.9	NE	213.5	IA	75.8	CO	64.4
Live animals and meat products	1,356.7	KS	170.6	TX	169.0	KY	166.3	NE	163.7	IA	92.5
Tobacco	1,317.5	NC	810.7	KY	245.1	SC	110.3	VA	75.2	GA	91.8
Fruits and preparations	1,237.0	CA	739.4	FL	223.4	WA	70.8	AZ	45.6	MI	33.9
Vegetables and preparations	1,000.1	CA	418.0	WA	115.3	MI	58.2	WI	53.8	ID	52.4
Cotton	691.9	TX	203.2	CA	160.4	MS	85.3	AZ	53.4	LA	38.2
Rice	647.5	AR	296.5	TX	101.7	LA	96.5	CA	78.8	MS	56.8

[1] Includes other commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Agricultural Trade of the United States*, Mar./Apr. 1987.

NO. 1099. CROPS—ACREAGE AND VALUE, 1984 TO 1986, AND ORDER OF VALUE, 1986, BY STATE

STATE	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)				Crops in order of value, 1986
	1984	1985	1986, prel.	1984	1985	1986, prel.		
						Value	Rank	
U.S.[1]	334,723	330,063	312,174	79,395	76,667	58,011	(x)	Corn, soybeans, hay, wheat.
AL	3,642	3,321	2,535	774	690	441	33	Peanuts, hay, cotton lint, soybeans.
AZ	895	809	683	805	735	692	30	Cotton lint, lettuce, hay, cotton seed.
AR	8,490	7,778	7,344	1,658	1,402	976	22	Rice, soybeans, cotton lint, hay.
CA	5,756	5,609	5,071	8,225	8,050	7,278	1	Grapes, tomatoes, cotton lint, hay.
CO	8,659	8,846	8,166	1,179	1,124	839	25	Hay, wheat, corn, potatoes.
CT	150	151	140	68	70	75	47	Hay, tobacco, apples, mushrooms.
DE	538	554	536	135	125	90	45	Soybeans, corn, potatoes, green peas.
FL	1,317	1,344	1,224	2,431	2,585	2,021	9	Tomatoes, oranges, sugarcane [2], grapefruit.
GA	5,628	5,071	3,841	1,664	1,370	1,036	21	Peanuts, tobacco, corn, soybeans.
HI	95	89	90	403	373	[3] 165	41	Sugarcane [2], pineapple, macadamia nut, papayas.
ID	4,834	4,738	4,585	1,508	1,276	1,165	19	Potatoes, hay, barley, wheat.
IL	23,478	23,111	22,050	5,594	6,214	4,218	3	Corn, soybeans, hay, wheat.
IN	12,503	12,362	11,660	3,118	3,018	2,039	7	Corn, soybeans, hay, wheat.
IA	24,707	25,030	24,096	5,666	5,948	4,291	2	Corn, soybeans, hay, oats.
KS	21,173	21,615	20,694	2,874	2,960	2,025	8	Wheat, sorghum, hay, corn.
KY	5,661	5,484	5,181	2,004	1,630	1,200	18	Tobacco, corn, hay, soybeans.
LA	4,890	4,632	4,370	1,204	920	625	31	Soybeans, cotton lint, rice, sugarcane [2].
ME	384	403	383	142	132	156	42	Potatoes, hay, apples, oats.
MD	1,620	1,639	1,582	452	394	271	35	Corn, soybeans, hay, tobacco.
MA	170	164	166	163	160	181	40	Cranberries, hay, apples, sweet corn.
MI	7,720	7,685	7,009	1,812	1,835	1,285	18	Corn, hay, soybeans, wheat.
MN	20,746	20,426	19,246	4,113	3,999	2,840	4	Corn, soybeans, hay, wheat.
MS	6,290	5,604	4,878	1,253	1,134	696	29	Cotton lint, soybeans, rice, sorghum.
MO	14,487	14,247	13,252	2,072	2,446	1,766	11	Soybeans, corn, hay, sorghum.
MT	9,179	7,613	9,415	851	522	719	28	Wheat, hay, barley, potatoes.
NE	18,489	18,509	17,473	3,482	3,737	2,541	5	Corn, soybeans, hay, sorghum.
NV	596	565	583	130	125	122	43	Hay, potatoes, barley, wheat.
NH	112	113	112	29	30	29	48	Hay, apples.
NJ	469	466	437	211	217	196	39	Hay, peaches, corn, soybeans.
NM	1,299	1,381	1,179	365	347	258	36	Hay, wheat, sorghum, cotton.
NY	4,028	4,048	3,810	1,025	908	875	23	Hay, corn, apples, potatoes.
NC	5,388	5,418	4,656	2,224	1,870	1,389	15	Tobacco, soybeans, corn, peanuts.
ND	20,962	20,495	20,571	2,338	2,195	1,648	13	Wheat, barley, hay, sunflower.
OH	10,598	10,845	10,257	2,648	2,635	1,972	10	Soybeans, corn, hay, wheat.
OK	8,631	8,978	8,568	1,135	1,034	810	26	Wheat, hay, cotton lint, sorghum.
OR	2,719	2,739	2,709	968	908	847	24	Hay, wheat, potatoes, pears.
PA	4,541	4,569	4,426	1,340	1,177	1,045	20	Hay, corn, mushrooms, apples.
RI	17	17	15	7	8	6	49	Hay, tomatoes, apples.
SC	2,905	2,778	2,179	732	622	377	34	Tobacco, soybeans, corn, cotton lint.
SD	16,186	15,246	15,966	1,748	1,585	1,203	17	Corn, hay, wheat, soybeans.
TN	5,385	5,136	4,666	1,158	1,054	738	27	Soybeans, tobacco, hay, corn.
TX	19,812	21,094	17,749	3,832	3,844	2,454	6	Cotton lint, hay, sorghum, wheat.
UT	1,107	1,129	1,132	250	233	215	37	Hay, wheat, barley, corn.
VT	537	540	530	85	86	82	46	Hay, apples, potatoes.
VA	3,057	3,002	2,810	863	691	544	32	Hay, tobacco, soybeans, corn.
WA	4,769	5,052	4,492	2,020	1,786	1,730	12	Apples, wheat, potatoes, hay.
WV	765	732	683	139	123	99	44	Hay, apples, corn, tobacco.
WI	9,394	9,221	9,013	2,239	2,110	1,534	14	Hay, corn, potatoes, oats.
WY	1,902	1,669	1,963	258	236	212	38	Hay, barley, sugar beets, wheat.

X Not applicable [1] Excludes Alaska [2] For sugar and seed [3] Incomplete data

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual, and *Crop Values*, annual.

Digitized by Google

No. 1100. Principal Crops—Production, Supply and Disappearance: 1982 to 1986

[**Marketing year beginning May 1** for **hay, June 1** for **wheat and barley, August 1** for **cotton and rice, September 1** for **soybeans, corn, and sorghum.** Acreage, production, and yield of all crops periodically revised on basis of census data. See also *Historical Statistics, Colonial Times to 1970*, series K 506–563]

CROP AND YEAR	Acreage harvested (mil.)	Yield per acre	Production	Farm price [1]	Farm value (mil. dol.)	Total supply [2]	DISAPPEARANCE		Ending stocks
							Total [3]	Exports	
Corn for grain:		Bu.	Mil. bu.	$/bu.			Mil. bu.		
1982	72.7	113.2	8,235	2.68	22,039	10,772	7,249	1,834	3,523
1983	51.5	61.1	4,175	3.25	13,535	7,700	6,694	1,901	1,006
1984	71.9	106.7	7,674	2.62	20,085	8,684	7,036	1,865	1,648
1985	75.2	118.0	8,877	2.37	21,029	10,535	6,496	1,241	4,040
1986	69.2	119.3	8,253	[4] 1.49	12,387	12,295	7,180	1,450	5,115
Soybeans for beans:		Bu.	Mil. bu.	$/bu.			Mil. bu.		
1982	69.4	31.5	2,190	5.69	12,463	2,444	2,099	905	345
1983	62.5	26.2	1,636	7.81	12,775	1,981	1,805	743	176
1984	66.1	28.1	1,861	5.76	10,748	2,037	1,721	598	316
1985	61.6	34.1	2,099	5.04	10,571	2,415	1,879	740	536
1986	59.4	33.8	2,007	[4] 4.65	9,326	2,543	1,963	700	580
Hay:		Sh. tons	Mil. sh. tons	$/ton			Mil. sh. tons		
1982	59.8	2.50	149	[5] 69.30	9,530	174.2	146.1	(NA)	28.1
1983	59.7	2.36	141	[5] 75.80	9,967	168.9	148.8	(NA)	20.1
1984	61.4	2.45	151	[5] 72.70	10,204	170.7	143.8	(NA)	26.9
1985	60.4	2.46	149	[5] 67.60	9,437	175.9	149.1	(NA)	26.8
1986	62.3	2.49	155	[5] 60.10	8,644	180.2	(NA)	(NA)	(NA)
Wheat:		Bu.	Mil. bu.	$/bu.			Mil. bu.		
1982	77.9	35.5	2,765	3.55	9,813	3,932	2,417	1,509	1,515
1983	61.4	39.4	2,420	3.53	8,533	3,939	2,540	1,429	1,399
1984	66.9	38.8	2,595	3.38	8,755	4,003	2,578	1,424	1,425
1985	64.7	37.5	2,425	3.15	7,648	3,865	1,961	915	1,905
1986	60.7	34.4	2,087	[4] 2.34	4,861	4,007	2,159	1,025	1,848
Cotton:		Lb.	Mil. bales [6]	¢/lb.			1,000 bales [6]		
1982	9.7	590	[7] 12.0	59.4	3,410	18,615	10,719	5,207	[8] 7,937
1983	7.3	508	[7] 7.8	66.4	2,476	15,721	12,714	6,786	[8] 2,775
1984	10.4	600	[7] 13.0	57.8	3,603	15,781	11,755	6,215	[8] 4,102
1985	10.2	630	[7] 13.4	56.5	3,645	17,567	8,375	1,969	[8] 9,348
1986	8.5	552	[7] 9.7	[4] 52.2	2,441	19,364	13,760	6,750	[8] 5,683
Tobacco: [9]		Lb.	Mil. lb.	$/lb.			Mil. lb.		
1982	.9	2,185	1,994	1.76	3,519	5,582	1,662	628	[10] 3,920
1983	.8	1,811	1,429	1.75	2,496	5,349	1,532	596	3,817
1984	.8	2,183	1,728	1.61	3,121	5,545	1,621	666	[10] 3,924
1985	.7	2,197	1,512	1.65	2,467	5,435	1,620	620	3,815
1986	.6	1,997	1,166	1.53	1,778	5,005	(NA)	(NA)	(NA)
Sorghum for grain:		Bu.	Mil. bu.	$/bu.			Mil. bu.		
1982	14.1	59.1	835	2.52	2,091	1,154	715	210	439
1983	10.0	48.7	488	2.84	1,382	927	639	245	287
1984	15.4	56.4	866	2.39	2,055	1,154	854	297	300
1985	16.6	66.8	1,120	2.28	2,538	1,421	870	178	551
1986	13.9	67.7	942	[4] 1.36	1,316	1,493	780	175	713
Barley:		Bu.	Mil. bu.	$/bu.			Mil. bu.		
1982	9.0	57.2	518	2.22	1,143	674	458	47	217
1983	9.7	52.3	509	2.50	1,269	733	544	92	189
1984	11.2	53.4	599	2.26	1,356	799	551	77	247
1985	11.8	51.0	591	1.98	1,169	848	523	22	325
1986	12.0	50.8	610	[4] 1.56	946	940	625	150	315
Rice, rough:		Lb.	Mil. cwt.	$/cwt.			Mil. cwt.		
1982	3.3	4,710	154	8.11	1,247	203	132	69	71
1983	2.2	4,596	100	6.76	674	172	125	70	47
1984	2.8	4,954	139	8.06	1,119	187	123	62	65
1985	2.5	5,414	135	8.62	693	202	125	59	77
1986	2.4	5,648	134	[4] 3.93	528	214	151	80	63

NA Not available. [1] Except as noted, season average prices received by farmers. U.S. prices are computed by weighting State prices by estimated sales and include an allowance for outstanding loans and government purchases, if any, for crops under government programs. [2] Comprises production, imports, and beginning stocks. [3] Includes feed, residual, and other domestic uses not shown separately. [4] Marketing year average price. U.S. prices are computed by weighting U.S. monthly prices by estimated monthly marketings and do not include an allowance for outstanding loans and government purchases and payments. [5] Prices are for hay sold baled. [6] Bales of 480 pounds, net weight. [7] State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals. [8] Stock estimates based on Census Bureau data which results in an unaccounted difference between supply and use estimates and changes in ending stocks. [9] Flue-cured and cigar wrapper, crop year July–June; all other types October–September. Farm-sales-weight basis. [10] Includes tobacco carried over on farms.

Source: Production—U.S. Dept. of Agriculture, National Agricultural Statistics Service, in *Crop Production*, annual, *Field Crops* (Statistical Bulletin No. 708), *Crop Values* (Statistical Bulletin No. 729). Supply and disappearance—U.S. Dept. of Agriculture Economic Research Service, *Feed Situation*, quarterly; *Fats and Oils Situation*, quarterly; *Wheat Situation*, quarterly; *Tobacco Situation*, quarterly; *Cotton and Wool Outlook Statistics*, periodic; and *Agricultural Supply and Demand Estimates*, periodic. All data are also in *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly.

Digitized by Google

No. 1101. Price Support Operations—Selected Commodities: 1982 to 1986

[For explanation of price support operations, see text, section 23]

Crop and year	Support or target price [1] (dol. per bu.)	National average loan rate (dol. per bu.)	Quantity under support [2] Amount (mil. bu.)	Quantity under support [2] Percent of production	Crop and year	Support or target price [1]	National average loan rate	Quantity under support [2] Amount	Quantity under support [2] Percent of production
rn: [3]								1,000 bales [10]	
982	2.70	[4] 2.55	1,580	19	Cotton: [9]	Cents	per lb.		
983	2.86	2.65	162	4	1982	71.0	57.1	5,007	42
984	3.03	2.55	1,097	14	1983	76.0	55.0	1,744	22
985	3.03	2.55	3,140	35	1984	81.0	55.0	2,957	23
986	3.03	[5] 1.92	[4] 4,900	59	1985	81.0	57.3	7,291	55
beans: [3]					1986	81.0	[5] 55.0	[4] 6,175	65
982	(x)	5.02	397	16	Sorghum: [9]	Dol.	per cwt.	Mil. cwt.	
983	(x)	5.02	101	6	1982	4.64	[11] 4.32	135	29
984	(x)	5.02	278	15	1983	4.86	4.50	6	3
985	(x)	5.02	517	25	1984	5.14	4.32	36	7
986	(x)	[5] 4.77	[4] 335	17	1985	5.14	4.32	201	32
at: [7]					1986	5.14	[5] 3.25	[4] 220	42
982	4.05	[4] 3.55	646	23	Rice: [9]	Dol.	per cwt.	Mil. cwt.	
983	4.30	3.65	635	26	1982	10.85	8.14	65	42
984	4.38	3.30	284	11	1983	11.40	8.14	40	40
985	4.38	3.30	841	35	1984	11.90	8.00	58	42
986	4.38	[5] 2.40	[4] 515	25	1985	11.90	8.00	75	56
					1986	11.90	[5] 7.20	[4] 132	98

Not applicable. [1] Guaranteed on normal production from participating farms. [2] Represents loans made, purchases, and ise agreements entered into. [3] For years beginning September 1. [4] National average loan rate for corn put into -owned reserve was $2.90 in 1982. [5] 1986 annual loan rates were reduced 4.3 percent for budget purposes (e.g. corn e $1.84 per bu.). [6] Preliminary. [7] For years beginning June 1. [8] National average loan rate for wheat put into -owned reserve was $4.00 in 1982. [9] For years beginning August 1. [10] Bales of 480 lb. net weight. [11] National e loan rate for grain sorghum put into the farmer-owned reserve was $4.91 in 1982.

ce: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. Data published in *Agricultural Statistics*,

lo. 1102. Corn for Grain—Acreage, Production, and Value, by State: 1984 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series K 502-505, for U.S. data on corn for all purposes]

E	Acreage harvested (1,000 acres)			Yield per acre (bu.) [1]			Production (mil. bu.) [1]			Price [2] [3] (dol. per bu.)			Farm value [3] (mil. dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
.....	71,915	75,224	69,189	106.7	116.0	119.3	7,674	8,877	8,253	2.62	2.37	1.49	20,085	21,029	12,387
.....	385	325	270	65.0	75.0	57.0	25	24	15	2.85	2.32	1.85	71	57	28
.....	375	320	250	136.0	145.0	152.0	51	46	38	3.40	3.00	2.25	173	139	86
.....	680	745	710	134.0	139.0	140.0	91	104	99	2.66	2.41	1.60	242	250	159
.....	150	175	169	113.0	109.0	83.0	17	19	14	2.95	2.49	1.80	50	47	25
.....	985	975	730	82.0	84.0	58.0	81	82	42	2.99	2.49	1.90	242	204	80
.....	10,940	11,370	10,400	114.0	135.0	135.0	1,247	1,535	1,404	2.65	2.42	1.50	3,305	3,715	2,106
.....	6,030	6,150	5,700	117.0	123.0	122.0	706	756	695	2.60	2.33	1.50	1,834	1,763	1,043
.....	12,900	13,550	12,050	112.0	126.0	135.0	1,445	1,707	1,627	2.50	2.33	1.40	3,612	3,978	2,277
.....	955	1,170	1,335	125.0	130.0	136.0	119	152	182	2.77	2.43	1.55	331	370	281
.....	1,460	1,560	1,520	100.0	102.0	92.0	146	159	140	2.82	2.47	1.70	412	393	238
.....	82	205	385	115.0	114.0	116.0	9	23	45	3.35	2.60	1.85	32	61	83
.....	590	640	580	118.0	110.0	73.0	70	70	42	2.93	2.48	1.80	204	175	76
.....	2,620	2,730	2,450	84.0	105.0	105.0	220	287	257	2.56	2.30	1.40	563	659	360
.....	6,440	6,300	5,800	107.0	115.0	122.0	689	725	708	2.45	2.25	1.40	1,688	1,630	990
.....	70	115	180	70.0	68.0	75.0	5	8	14	3.40	2.89	2.00	17	23	27
.....	1,930	2,480	2,420	80.0	110.0	116.0	154	273	281	2.68	2.34	1.40	414	638	393
.....	6,950	7,450	7,000	116.0	128.0	128.0	806	954	896	2.56	2.38	1.55	2,064	2,270	1,389
.....	670	720	650	91.0	95.0	99.0	61	68	64	2.85	2.47	1.70	174	169	109
.....	1,620	1,625	1,360	90.0	79.0	69.0	146	128	94	2.80	2.53	1.75	408	325	164
.....	630	560	530	66.0	72.0	93.0	42	40	49	2.54	2.35	1.35	106	95	67
.....	3,900	4,030	3,720	118.0	127.0	128.0	460	512	476	2.59	2.33	1.50	1,192	1,193	714
.....	1,350	1,380	1,240	110.0	110.0	103.0	149	152	128	2.83	2.52	1.80	420	383	230
.....	447	520	460	78.0	88.0	46.0	35	46	21	2.75	2.28	1.65	96	104	35
.....	2,780	3,000	2,850	67.0	84.0	82.0	186	252	234	2.44	2.20	1.35	454	554	315
.....	690	810	770	95.0	98.0	74.0	66	79	57	2.90	2.44	1.60	190	194	91
.....	1,550	1,490	1,330	93.0	105.0	112.0	144	156	149	3.03	2.55	1.85	437	399	276
.....	540	550	400	104.0	99.0	54.0	56	54	22	2.90	2.53	1.75	163	138	38
.....	150	135	120	155.0	160.0	170.0	23	22	20	3.00	2.66	1.85	70	57	36
.....	3,250	3,350	3,100	106.0	107.0	118.0	345	358	366	2.57	2.33	1.45	885	835	530

per bushel. [2] Season average prices for 1984 and 1985; marketing year average prices for 1986. See also nd 4, table 1100. [3] For 1984 and 1985, includes an allowance for loans outstanding and purchases by the alued at the average loan and purchase rate, by State. [4] Includes other States not shown separately.

Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

Digitized by Google

No. 1103. Soybeans for Beans—Acreage, Production, and Value, by State: 1984 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series K 521, for U.S. totals]

State	Acreage harvested (1,000 acres)			Yield per acre (bu.)			Production (mil. bu.)			Price [1 2] (dol. per bu.)			Farm value [3] (mil. dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Total [3]	66,113	61,584	59,427	28.1	34.1	33.8	1,861	2,099	2,007	5.78	5.04	4.65	10,748	10,571	9,326
AR	3,900	3,700	3,300	26.0	26.5	21.0	101	98	69	5.96	5.18	5.00	604	508	347
IL	9,020	9,000	9,150	31.5	42.5	40.0	284	383	366	5.85	5.16	4.75	1,662	1,974	1,739
IN	4,350	4,460	4,250	34.5	41.5	38.0	150	185	162	5.87	5.04	4.65	881	933	751
IA	8,400	8,150	8,750	31.5	38.0	41.5	265	310	363	5.55	4.98	4.50	1,469	1,542	1,634
KS	1,590	1,410	1,760	17.5	31.0	34.0	27	44	60	5.74	4.95	4.50	160	216	269
KY	1,460	1,230	1,170	29.0	34.0	32.0	42	42	37	6.07	5.25	4.90	257	220	183
LA	2,430	2,100	1,820	27.5	21.0	21.0	67	44	38	6.00	5.01	4.65	401	221	178
MI	1,190	1,080	950	27.0	32.0	32.0	32	35	30	5.73	4.94	4.55	184	171	139
MN	5,240	5,000	4,800	33.0	32.0	35.5	173	160	170	5.43	4.96	4.55	939	794	775
MS	3,200	2,620	2,450	24.0	27.0	18.0	77	71	44	6.04	5.16	4.95	464	365	218
MO	5,300	5,230	5,300	29.5	34.5	33.5	109	180	178	5.78	4.96	4.50	628	895	796
NE	2,550	2,360	2,450	26.0	36.0	39.0	66	85	96	5.55	4.86	4.50	368	413	430
NC	1,790	1,700	1,600	26.0	23.0	24.0	47	39	38	5.93	5.03	4.65	276	197	186
ND	740	490	470	23.0	26.0	35.5	17	13	17	5.51	4.79	4.40	94	61	73
OH	3,770	3,870	3,670	36.5	41.5	41.0	138	161	150	5.84	5.10	4.75	804	819	715
SD	1,360	1,270	1,330	23.0	32.0	31.0	31	41	41	5.47	4.82	4.55	171	196	186
TN	1,850	1,460	1,500	26.0	31.0	25.0	48	45	38	5.94	5.09	4.90	286	230	184

[1] For 1984 and 1985 includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State. [2] See footnote 2, table 1102. [3] Includes other States not shown separately.

No. 1104. Wheat—Acreage, Production, and Value, by State: 1984 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series K 506–508, for U.S. acreage, production, and price]

State	Acreage harvested (1,000 acres)			Yield per acre (bushels) [1]			Production (mil. bushels) [1]			Price [2 3] (dol. per bu.)			Farm value [3] (mil. dol.)		
	1984	1985	1986, prel.	1984	1985	1986, prel.	1984	1985	1986, prel.	1984	1985	1986, prel.	1984	1985	1986, prel.
U.S. [4]	66,928	64,734	60,688	38.8	37.5	34.4	2,595	2,425	2,087	3.38	3.15	2.34	8,755	7,648	4,861
AR	1,400	570	780	44.0	32.0	41.0	62	18	32	3.29	3.06	2.50	203	56	80
CA	784	830	675	76.9	83.0	76.3	62	69	52	3.71	3.46	2.80	229	238	144
CO	3,270	3,522	2,955	35.2	39.6	32.8	115	139	96	3.19	2.92	2.16	367	407	208
ID	1,280	1,350	1,310	63.6	53.4	62.4	81	72	82	3.30	3.21	2.26	269	232	167
IL	1,600	750	820	44.0	49.0	44.0	70	37	36	3.27	3.03	2.40	230	111	87
KS	11,200	11,400	10,200	38.5	38.0	33.0	431	433	337	3.32	3.06	2.20	1,432	1,326	741
MN	2,553	2,683	2,814	47.3	53.1	36.8	121	142	104	3.41	3.25	2.35	412	463	243
MT	4,640	3,960	4,760	22.8	12.7	29.1	105	50	139	3.52	3.45	2.43	368	173	337
NE	2,250	2,300	2,000	36.0	39.0	38.0	81	90	76	3.28	2.95	2.10	266	265	160
ND	8,660	8,870	9,380	32.8	36.4	30.9	284	323	290	3.53	3.28	2.38	1,003	1,061	690
OH	1,100	950	1,050	44.0	62.0	46.0	48	59	48	3.31	3.00	2.35	160	177	114
OK	5,300	5,560	5,200	36.0	30.0	29.0	191	165	151	3.36	3.24	2.20	641	535	332
OR	1,115	1,065	1,025	61.6	52.6	57.0	69	56	58	3.47	3.41	2.45	239	191	143
SD	3,662	3,755	3,840	34.4	29.6	28.3	126	111	109	3.46	3.28	2.29	431	365	249
TX	5,000	5,850	4,800	30.0	32.0	25.0	150	187	120	3.39	3.13	2.30	509	586	276
WA	2,810	2,690	2,410	61.4	47.7	48.5	160	128	117	3.45	3.41	2.45	553	437	286

[1] 60 pounds per bushel. [2] See footnote 2, table 1102. [3] See footnote 3, table 1102. [4] Includes other States not shown separately.

No. 1105. Cotton—Acreage, Production, and Value, by State: 1984 to 1986

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1970*, series K 553–558 for U.S. totals]

State	Acreage harvested (1,000)			Yield per acre (lb.)			Production (1,000 bales) [1]			Farm price per lb [2 3] (cents)			Farm value [3] (mil. dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Total [4]	10,379	10,229	8,468	600	630	552	12,982	13,432	9,731	57.8	56.5	52.2	3,803	3,645	2,441
AL	307	329	313	699	795	506	447	545	330	55.3	55.8	48.8	119	145	77
AZ	479	415	323	1,187	1,198	1,224	1,185	1,037	823	62.2	60.5	63.0	354	301	249
AR	465	440	480	632	767	602	612	703	602	55.6	56.6	46.9	163	191	129
CA	1,400	1,320	990	999	1,132	1,088	2,913	3,114	2,245	66.8	61.4	62.8	934	918	677
GA	172	245	195	784	725	455	281	370	185	58.4	54.8	52.1	79	97	46
LA	645	630	570	786	585	567	1,056	742	673	54.3	55.7	46.8	275	198	151
MS	1,032	1,040	1,000	757	764	571	1,850	1,655	1,190	54.2	56.6	47.1	429	450	266
MO	162	150	160	564	653	588	187	204	196	57.9	56.8	51.5	52	56	44
TN	325	335	335	498	600	567	337	419	396	56.2	54.5	48.8	91	110	80
TX	4,719	4,669	3,476	377	406	356	3,710	3,945	2,576	52.8	52.7	48.3	940	998	572

[1] Bales of 480 lb. net weight. [2] Includes allowance for unredeemed loans in 1984 and 1985. For 1986, average price to April 1, 1987, with no allowance for unredeemed loans. [3] See footnote 2, table 1102. [4] Includes other States not shown separately.

Source of tables 1103-1105: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual, and *Crop Values*, annual.

Digitized by Google

No. 1106. Tobacco—Acreage, Production, and Value, by State: 1984 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series K 561-563, for U.S. acreage, production, and price]

State	Acreage harvested (1,000)			Yield per acre (pounds)			Production (mil. lb.)			Price [1] (dol. per lb.)			Farm value (mil. dol.)		
	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986	1984	1985	1986
Total [2]	792	688	584	2,183	2,197	1,997	1,728	1,512	1,166	1.81	1.85	1.53	3,121	2,487	1,778
FL	7	6	5	2,560	2,675	2,510	18	16	13	1.80	1.71	1.62	32	26	22
GA	38	36	31	2,250	2,280	2,190	86	82	68	1.63	1.71	1.58	156	140	107
IN	8	7	6	2,320	2,240	2,050	19	15	12	1.87	1.58	1.55	35	23	19
KY	229	186	153	2,320	2,300	2,054	530	426	315	1.85	1.58	1.55	982	678	488
MD	23	20	18	1,320	1,330	1,350	30	27	24	1.40	1.32	(3)	42	35	32
NC	272	251	215	2,172	2,220	2,073	590	557	445	1.81	1.71	1.53	1,067	951	682
OH	12	8	7	2,209	2,140	1,829	27	17	14	1.81	1.52	1.54	48	26	21
SC	47	43	37	2,245	2,300	2,040	106	99	75	1.81	1.73	1.44	191	171	109
TN	75	62	49	2,062	2,065	1,682	155	127	83	1.79	1.57	1.52	277	200	126
VA	54	43	38	2,153	2,104	1,913	116	91	74	1.79	1.69	1.50	207	154	111

[1] See footnote 1, table 1100. [2] Includes other States not shown separately. [3] Evaluated at 132.3 cents per pound.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual; and *Crop Values*, annual.

No. 1107. Sugar, Beet and Cane—Supply and Disappearance: 1970 to 1986

[In thousands of short tons, raw value]

Item	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total supply	14,392	13,132	14,828	14,621	14,110	14,380	12,441	12,003	12,043	11,807	11,637
United States production	5,874	6,300	5,602	5,793	5,736	6,225	5,936	5,682	5,890	5,969	6,257
Beet	3,511	3,473	3,067	3,056	3,052	3,182	3,160	2,588	3,059	2,869	3,201
Mainland cane [1]	1,201	1,720	1,506	1,667	1,661	1,995	1,793	2,050	1,789	2,086	2,024
Hawaii	1,162	1,107	1,029	1,060	1,023	1,048	983	1,044	1,062	1,014	1,032
Imports	5,296	3,882	4,683	5,027	4,495	5,025	2,964	3,186	3,559	2,797	2,223
Puerto Rico	353	96	52	47	178	48	80	67	24	36	31
Beginning stocks	2,869	2,854	4,491	3,754	3,701	3,082	3,461	3,068	2,570	3,005	3,126
Total disappearance	10,926	10,276	11,074	10,920	11,028	10,919	9,373	9,433	9,038	8,681	8,410
U.S. consumption	10,532	10,302	10,889	10,756	10,189	9,769	9,180	8,917	8,454	8,035	7,810
Exports	66	216	48	73	689	1,191	137	300	429	464	557
Other [2]	328	−242	137	91	150	−41	76	216	155	182	43

[1] Florida, Louisiana, and beginning 1975, Texas. [2] Includes net change in invisible stocks, balancing items, and minor quantities of sugar for livestock feed and alcohol.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*.

No. 1108. Sugarcane and Sugar Beets, and Sugar—Summary: 1970 to 1986

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

Item	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Sugarcane for sugar and seed:											
Acreage harvested	1,000 acres	584	774	733	733	755	742	766	747	770	796
Yield per acre	Sh. tons	41.1	36.6	36.2	36.8	36.3	40.1	36.7	36.6	36.6	38.1
Production	Mil. tons	24.0	28.3	26.5	27.0	27.4	29.8	28.2	27.3	28.2	30.3
Price per ton for sugar [1]	Dollars	[2] 10.50	21.50	26.00	38.50	24.90	26.50	27.80	26.20	26.70	(NA)
Farm value [3]	Mil. dol	[2] 140	608	691	1,036	682	790	781	770	752	(NA)
Sugar beets:											
Acreage harvested	1,000 acres	1,413	1,517	1,120	1,190	1,228	1,027	1,056	1,096	1,103	1,191
Yield per acre	Sh. tons	18.7	19.6	19.6	19.8	22.4	20.3	19.9	20.2	20.4	21.2	
Production	Mil. sh. tons	26.4	29.7	22.0	23.5	27.5	20.9	21.0	22.1	22.5	25.2
Price per ton [1]	Dollars	14.80	27.60	33.90	47.20	29.20	35.40	37.00	33.90	33.80	(NA)
Farm value	Mil. dol	392	821	745	1,109	804	740	778	750	761	(NA)
Sugar produced:											
Beet, raw value [4]	1,000 tons	3,322	4,019	2,879	3,149	3,388	2,737	2,699	2,902	3,000	3,414
Cane, raw value [4]	1,000 tons	2,416	2,934	2,700	2,728	2,833	3,063	2,930	3,007	3,033	3,281
Per ton of cane [5]	Lb	210	214	213	213	217	215	215	231	226	227
Cane, refined basis [6]	1,000 tons	2,258	2,743	2,524	2,550	2,647	2,863	2,739	2,811	2,835	3,066
Uses made from sugar-cane [6]	Mil. gal	141	183	165	163	183	177	176	174	179	186

Not available. [1] Season average prices received by farmers. Prices exclude Government payments under Sugar Act. [2] Includes Hawaii. [3] Price per ton of cane for sugar used in evaluating value of production for seed. [4] Raw value equals sugar as defined in Sugar Act of 1948. [5] Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. of refined sugar. [6] 80° brix except 85° brix for Hawaii. Includes high-test molasses from frozen cane. Excludes edible molasses.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Crop Production*, issue and annual; and *Crop Values*, annual.

Digitized by Google

No. 1109. Commercial Vegetable and Other Specified Crops—Area, Production, and Value, 1984 to 1986, and Leading Producing States, 1986

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

CROP	AREA [1] (1,000 acres)			PRODUCTION [2] (1,000 short tons)			VALUE [3] (mil. dol.)			Leading States in order of production, 1986
	1984	1985	1986	1984	1985	1986	1984	1985	1986	
Asparagus	93.3	91.5	96.2	94.8	106.8	111.5	116.5	137.5	137.0	CA, WA, MI.
Beans, snap [4]	216.6	222.2	190.6	696.1	702.5	609.4	113.9	118.8	97.3	WI, OR, NY.
Beans, dry edible	1,460.3	1,481.4	1,495.0	1,053.5	1,108.8	1,144.9	395.0	389.4	431.2	ND, NE, CA.
Broccoli	106.5	109.5	119.1	514.1	531.4	576.5	237.9	239.3	239.7	CA, TX, OR.
Carrots	93.6	90.1	86.1	1,186.7	1,145.8	1,171.7	247.9	206.4	235.9	CA, WA, TX.
Cauliflower	60.8	61.2	67.8	334.4	333.2	376.4	174.9	169.1	191.9	CA, AZ, OR.
Celery	35.1	33.9	33.3	937.9	917.5	880.7	226.5	189.5	211.1	CA, FL, MI.
Corn, sweet	620.2	625.9	598.0	3,331.6	3,426.1	3,310.3	367.1	367.5	359.7	MN, WI, OR.
Cucumbers [4]	103.5	115.2	110.5	618.2	694.4	639.6	103.8	123.6	113.4	MI, NC, CA.
Honeydew melons	23.3	25.7	28.8	201.6	237.9	271.9	55.9	58.1	69.1	CA, TX, AZ.
Lettuce	**221.9**	**225.7**	**216.0**	**3,215.5**	**3,090.2**	**2,931.1**	**706.3**	**675.3**	**701.3**	**CA, AZ, FL.**
Peppermint	**67.2**	**65.1**	**64.2**	**2.2**	**2.2**	**2.2**	**47.0**	**44.0**	**46.0**	**OR, WA.**
Spearmint	**27.9**	**30.1**	**28.5**	**1.0**	**1.2**	**1.3**	**25.4**	**27.1**	**28.4**	**WA, ID.**
Onions	**129.4**	**122.8**	**115.3**	**2,182.9**	**2,253.0**	**2,165.1**	**422.5**	**347.2**	**427.7**	**CA, OR, TX.**
Peas, green [4]	**330.5**	**353.6**	**272.4**	**495.3**	**577.8**	**414.9**	**117.3**	**138.5**	**93.8**	**WI, MN, WA.**
Potatoes	**1,301.0**	**1,361.1**	**1,215.3**	**1,813.1**	**2,035.6**	**1,772.3**	**2,045.7**	**1,570.6**	**1,739.7**	**ID, WA, OR.**
Strawberries	**43.3**	**44.1**	**44.4**	**495.5**	**509.4**	**509.7**	**413.3**	**450.8**	**503.6**	**CA, OR, NY.**
Sweet potatoes	**103.5**	**105.3**	**94.4**	**649.3**	**742.7**	**637.7**	**182.2**	**130.5**	**130.8**	**NC, LA, CA.**
Tomatoes	**414.8**	**390.1**	**379.2**	**9,090.8**	**8,672.0**	**8,971.0**	**1,239.6**	**1,197.9**	**1,264.9**	**CA, OH, IN.**

[1] Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. [2] Excludes some quantities not marketed. [3] Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. [4] Processing only.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Vegetables*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1110. Fruits and Nuts—Utilized Production and Value, 1984 to 1986, and Leading Producing States, 1986

FRUIT	Unit	UTILIZED PRODUCTION [1]			FARM VALUE (mil. dol.)			Leading States in order of production, 1986
		1984	1985	1986	1984	1985	1986	
Apples (35 States) [2]	Mil. lb	8,316	7,834	7,865	928	916	1,068	WA, NY, MI.
Apricots	1,000 tons	117	106	55	36	28	22	CA, WA, UT.
Avocados	1,000 tons	230	189	273	128	176	157	CA, FL.
Bananas	Mil. lb	9	8	10	3	2	3	HI.
Cherries, sweet	1,000 tons	164	127	137	100	101	113	WA, OR, MI.
Cherries, tart	Mil. lb	256	280	218	64	63	50	MI, UT, NY.
Cranberries	1,000 bbl. [3]	3,322	3,485	3,860	181	190	189	MA, WI, NJ.
Dates	1,000 tons	22	29	19	18	25	16	CA.
Figs (fresh)	1,000 tons	37	33	47	10	10	12	CA.
Grapefruit (4 States)	Mil. boxes [4]	54	56	58	220	309	335	FL, CA, AZ.
Grapes (12 States)	1,000 tons	5,169	5,607	5,225	981	959	1,170	CA, NY, WA.
Kiwifruit	1,000 tons	17	21	23	18	17	24	CA.
Lemons (2 States)	Mil. boxes [5]	21	26	18	125	168	218	CA, AZ.
Limes (FL)	Mil. boxes [6]	2	2	2	18	20	21	FL.
Nectarines	1,000 tons	183	210	172	58	69	76	CA.
Olives	1,000 tons	91	96	112	50	54	63	CA.
Oranges and tangerines (4 States)	Mil. boxes [7]	175	162	180	1,343	1,508	1,122	FL, CA, AZ.
Papayas	Mil. lb	81	60	61	9	9	11	HI.
Peaches (32 States)	Mil. lb	2,468	2,046	2,238	321	307	327	CA, SC, NJ.
Pears	1,000 tons	697	747	760	160	201	199	CA, WA, OR.
Pineapples	1,000 tons	600	565	646	90	91	100	HI.
Plums and prunes (fresh)	1,000 tons	721	639	481	161	192	190	CA, OR, MI.
Pomegranates	1,000 tons	19	19	21	2	6	9	CA.
Tangelos (FL)	Mil. boxes [8]	4	4	4	23	34	19	FL.
Temples (FL)	Mil. boxes [8]	3	3	3	21	26	16	FL.
Almonds (shelled basis)	Mil. lb	590	465	250	446	361	462	CA.
Filberts (in the shell)	1,000 tons	13	25	15	8	17	11	OR, WA.
Macadamia nuts	Mil. lb	38	42	44	26	30	35	HI.
Pecans (in the shell) (11 States)	Mil. lb	232	244	273	145	166	198	GA, TX, LA.
Pistachios	Mil. lb	63	27	75	62	36	89	CA.
Walnuts, English (in the shell)	1,000 tons	213	219	180	155	175	194	CA.

[1] Excludes quantities not harvested or not marketed. [2] Production in commercial orchards with 100 or more bearing age trees. [3] Barrels of 100 pounds. [4] Approximate average net weight is 65 lb. in AZ and CA, 85 in FL, and 80 in TX. [5] About 76 lb. net. [6] Approximate net weight is 80 lb. [7] Net contents of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb.; FL oranges, 90 lb.; TX oranges, 85 lb.; and FL tangerines, 95 lb. [8] Approximate net weight is 90 lb.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts*, annual; and *Citrus Fruits*, annual.

Digitized by Google

No. 1111. Red Meats—Slaughtering, Production, and Trade: 1970 to 1986

[**Quantities represent carcass weight equivalent.** 1970 excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583–594]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
All red meats:												
Animals slaughtered, total	Mil. head	137.3	124.8	128.2	132.3	139.7	136.8	128.8	135.0	133.8	131.3	126.8
Under Federal inspection	Percent	89	91	93	94	94	94	95	95	96	96	96
Production, total [1]	Bil. lb	36.2	36.8	38.6	37.6	39.0	39.0	37.6	39.3	39.3	39.4	39.3
Federally inspected	Percent	89	90	93	94	94	94	95	95	96	96	96
Exports of U.S. production [2]	Mil. lb	305	449	646	673	842	714	680	682	699	646	809
Imports for consumption	Mil. lb	2,429	2,248	2,856	2,974	2,664	2,333	2,589	2,670	2,821	3,255	3,319
Beef:												
Animals slaughtered, total	Mil. head	35.4	41.5	40.0	34.0	34.1	35.3	36.2	37.0	37.9	36.6	37.6
Under Federal inspection	Percent	87	89	93	94	94	94	94	94	95	95	96
Production, total	Bil. lb	21.7	24.0	24.2	21.4	21.6	22.4	22.5	23.2	23.6	23.7	24.4
Federally inspected	Percent	88	90	93	94	94	94	95	95	95	96	96
Exports of U.S. production [2]	Mil. lb	101	110	214	215	220	252	305	312	376	379	573
Imports for consumption	Mil. lb	1,792	1,758	2,297	2,405	2,064	1,743	1,939	1,931	1,823	2,068	2,129
Veal:												
Animals slaughtered, total	Mil. head	4.2	5.4	4.3	2.9	2.7	2.9	3.1	3.2	3.4	3.5	3.5
Under Federal inspection	Percent	72	72	87	89	89	89	88	88	90	92	92
Production, total	Mil. lb	586	873	632	434	400	436	448	454	495	514	524
Federally inspected	Percent	57	57	71	73	74	74	76	78	82	86	87
Lamb and mutton:												
Animals slaughtered, total	Mil. head	10.8	8.1	5.5	5.2	5.7	6.2	6.6	6.8	6.9	6.3	5.8
Under Federal inspection	Percent	93	94	96	96	96	96	94	94	95	95	95
Production, total	Mil. lb	551	410	309	293	318	338	365	376	380	357	337
Federally inspected	Percent	93	94	94	94	94	94	95	95	95	96	96
Pork:												
Animals slaughtered, total	Mil. head	87.0	69.8	78.4	90.2	97.2	92.5	82.8	88.1	85.6	84.9	80.0
Under Federal inspection	Percent	90	93	96	96	96	96	96	96	96	97	97
Production, total [1]	Bil. lb	13.4	11.5	13.4	15.5	16.6	15.9	14.2	15.2	14.8	14.8	14.1
Federally inspected	Percent	90	93	95	95	95	95	96	96	96	97	97

[1] Excludes lard. [2] Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Livestock and Meat Statistics*, annual.

No. 1112. Livestock Inventory and Production: 1970 to 1987

[See also *Historical Statistics, Colonial Times to 1970*, series K 564–569 and 575–582]

TYPE OF LIVESTOCK	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
ALL CATTLE												
Inventory: [1] Number on farms	Mil.	112.4	132.0	110.9	111.2	114.4	115.4	115.0	113.7	109.7	105.5	102.0
Total value	Bil. dol.	20.2	21.0	44.7	55.8	54.1	47.9	46.7	45.0	44.1	41.3	41.5
Value per head	Dol.	179	159	403	502	473	415	406	396	402	391	407
Production: Quantity [2]	Bil. lb	39.4	40.9	38.8	40.3	41.2	40.7	40.3	40.0	40.2	40.5	(NA)
Beef, price per 100 lb	Dol.	27.10	32.20	66.10	62.40	58.60	58.70	55.50	57.30	53.70	52.60	(NA)
Calves, price per 100 lb	Dol.	34.50	27.20	88.70	78.80	64.00	59.80	61.70	59.90	62.10	61.10	(NA)
Value of production	Bil. dol.	10.9	12.8	26.2	25.5	23.7	22.6	22.0	22.1	21.2	20.9	(NA)
HOGS AND PIGS												
Inventory: [3] Number on farms	Mil.	57.0	54.7	60.4	67.3	64.5	56.7	54.5	56.7	54.1	52.3	51.0
Total value	Bil. dol.	2.2	2.5	5.0	3.8	4.8	4.1	4.9	3.3	4.1	3.6	4.7
Value per head	Dol.	39.00	44.90	83.20	56.00	74.70	70.10	89.90	58.80	75.00	69.60	91.60
Production: Quantity [2]	Bil. lb	21.8	16.8	22.6	23.4	21.8	19.7	21.2	20.2	20.2	19.4	(NA)
Price per 100 lb	Dol.	22.70	46.10	41.80	38.00	43.90	52.30	46.80	47.10	44.00	49.30	(NA)
Value of production	Bil. dol.	5.0	7.8	9.4	8.9	9.5	10.3	9.9	9.5	8.9	9.5	(NA)
SHEEP AND LAMBS												
Inventory: [1] Number on farms	Mil.	20.4	14.5	12.4	12.7	12.9	13.0	12.1	11.5	10.4	10.0	10.3
Total value	Mil. dol.	513	442	891	993	904	742	629	599	638	673	782
Value per head	Dol.	25.10	30.50	72.10	78.20	69.90	57.10	51.80	52.10	61.10	67.40	75.70
Production: Quantity [2]	Mil. lb	1,099	785	705	746	772	785	768	694	694	721	(NA)
Sheep, price per 100 lb	Dol.	7.52	11.30	25.70	21.30	21.20	19.50	15.70	16.40	23.90	25.60	(NA)
Lambs, price per 100 lb	Dol.	26.40	42.10	66.70	63.80	54.90	53.10	53.90	60.10	67.70	69.00	(NA)
Value of production	Mil. dol.	260	303	407	403	359	356	357	377	428	444	(NA)

NA Not available. [1] As of Jan. 1. [2] Liveweight production. Adjustment made for changes in inventory and for imshipments. [3] As of Dec. 1 of preceding year.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. Also in *Agricultural Statistics*, annual.

Digitized by Google

No. 1113. Livestock on Farms—Number, Production, and Value, by State: 1986 and 1987

State	All cattle			Milk cows			Sheep and lambs			Hogs and pigs		
	Number on farms, [1] 1987 (1,000)	Quantity produced, [2] 1986 (mil. lb.)	Value of production, 1986 (mil. dol.)	Number on farms, [1] [3] 1987 (1,000)	Milk produced on farms, 1986 (mil. lb.)	Value of milk produced, [4] 1986 (mil. dol.)	Number on farms, [1] 1987 (1,000)	Quantity produced, [2] 1986 (mil. lb.)	Value of production, 1986 (mil. dol.)	Number on farms, [5] 1986 (1,000)	Quantity produced, [2] 1986 (mil. lb.)	Value of production, 1986 (mil. dol.)
U.S. [6]	102,031	40,465	20,925	10,547	144,080	18,147	10,328	720.7	443.6	50,960	19,362	9,532
AZ	1,000	552.3	287.3	87	1,368	173.7	283	9.8	3.4	155	59.9	32.7
AR	1,840	578.8	272.7	62	755	104.2	–	–	–	460	200.3	92.2
CA	4,750	1,783.1	836.7	990	17,235	2,069.5	980	74.7	47.0	150	60.4	31.5
CO	2,600	1,750.9	1,000.2	78	1,188	163.3	690	49.5	30.7	190	73.5	37.8
FL	2,140	548.4	266.4	178	2,153	348.8	–	–	–	140	50.0	23.0
GA	1,650	435.4	194.3	100	1,260	175.1	–	–	–	1,100	378.8	195.4
ID	1,550	775.9	388.9	162	2,394	280.1	314	29.8	18.0	80	29.5	14.2
IL	2,250	842.1	475.8	215	2,801	350.1	119	9.7	5.7	5,000	2,017.2	981.2
IN	1,470	427.5	209.7	201	2,456	307.0	91	7.0	4.0	4,150	1,553.5	764.9
IA	4,650	2,136.7	1,146.2	308	3,879	465.5	375	33.1	21.7	12,600	5,122.2	2,514.0
KS	5,920	2,964.6	1,684.4	112	1,301	166.5	236	19.5	12.6	1,450	608.2	287.9
KY	2,450	752.4	362.2	223	2,327	293.2	32	2.1	1.2	880	315.8	161.6
MI	1,325	466.1	206.7	370	5,404	662.4	106	6.7	5.2	1,250	417.2	202.1
MN	3,150	1,439.1	708.4	855	10,614	1,257.8	237	21.0	13.3	4,260	1,479.2	752.8
MO	4,600	1,370.0	723.2	217	2,930	360.4	110	8.0	5.2	2,900	1,098.8	550.4
MT	2,400	904.0	468.4	24	337	43.1	523	35.8	22.2	190	65.1	27.3
NE	5,500	3,318.2	1,894.7	103	1,350	166.1	173	13.1	8.3	3,900	1,381.6	688.1
NM	1,360	816.4	308.2	81	1,092	142.5	480	20.7	13.4	36	12.9	6.5
NY	1,685	913.5	475.1	914	11,744	1,486.6	64	3.8	2.2	128	32.7	15.5
NC	950	319.4	142.3	114	1,695	237.3	13	.7	.3	2,360	876.0	432.5
ND	1,900	752.5	400.4	92	1,074	121.4	185	15.5	9.9	275	98.4	47.4
OH	1,800	611.4	309.1	370	4,936	619.8	300	20.0	12.7	1,950	707.3	344.9
OK	5,200	2,256.2	1,148.1	107	1,190	157.1	105	7.7	4.7	220	82.0	40.9
OR	1,400	540.7	253.9	92	1,471	187.6	415	27.3	17.0	115	51.1	26.0
PA	1,950	594.4	281.5	735	10,152	1,332.8	104	6.2	3.7	890	238.5	120.0
SD	3,600	1,486.7	804.3	149	1,723	199.9	605	52.2	35.7	1,520	630.7	311.7
TN	2,400	764.2	337.2	203	2,221	292.2	13	.5	.3	770	340.4	158.9
TX	13,400	5,554.0	2,978.5	325	4,089	560.4	1,930	115.0	69.8	510	176.7	83.1
UT	770	283.4	153.8	74	1,155	139.9	464	37.0	22.7	25	6.9	3.2
VA	1,860	687.2	324.2	150	2,096	272.5	168	14.4	5.8	360	167.9	81.5
WA	1,300	553.3	294.3	201	3,762	469.0	59	5.9	3.4	50	15.1	7.2
WI	4,260	1,278.8	626.6	1,840	25,200	3,065.0	83	6.5	4.3	1,330	517.6	252.8
WY	1,325	458.4	246.0	10	131	15.7	775	47.3	26.1	35	14.5	7.2

– Represents zero. [1] As of January 1. [2] Liveweight production. Adjustment made for changes in inventory and for inshipments. [3] Represents cows and heifers that have calved, kept for milk. [4] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves. [5] As of December 1. [6] Includes other States, not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition and Income*, annual and *Milk Production, Disposition, and Income*, annual.

No. 1114. Poultry—Production, by State: 1985 and 1986

[**In millions.** See *Historical Statistics, Colonial Times to 1970*, series K 614 and 621 for U.S. totals]

State	Chickens sold		Broilers produced		Turkeys raised		State	Chickens sold		Broilers produced		Turkeys raised	
	1985	1986	1985	1986	1985	1986		1985	1986	1985	1986	1985	1986
U.S.	220	217	4,479	4,646	185	207	MI	5.5	5.3	1.3	.6	2.9	2.7
							MN	7.5	7.7	26.9	29.7	30.4	34.2
AL	9.0	10.0	561.8	587.6	(Z)	(Z)	MS	7.4	7.8	328.7	335.7	(Z)	(Z)
AR	17.3	16.0	760.0	786.8	16.0	16.5	MO	5.0	4.0	(D)	(D)	12.5	13.3
CA	19.0	19.7	174.3	184.8	20.5	21.9	NY	6.8	5.6	1.8	2.0	.3	.3
CT	3.6	3.1	(Z)	(Z)	(Z)	(Z)	NC	11.7	11.8	447.3	450.5	31.9	39.1
DE	.8	.8	196.4	196.8	(Z)	(Z)	OH	11.0	11.9	9.0	9.9	2.8	3.1
FL	9.3	5.2	104.2	111.9	(Z)	(Z)	OK	3.4	3.1	61.7	79.5	(D)	(D)
GA	17.5	16.5	667.2	697.4	2.6	2.4	OR	1.6	1.5	14.4	15.8	1.3	1.5
IL	3.2	2.0	(Z)	(Z)	.3	.3	PA	13.2	16.5	94.7	101.9	7.1	7.8
IN	16.3	16.6	(D)	(D)	6.9	9.4	SC	4.0	4.5	60.4	63.8	2.9	3.9
IA	5.0	4.5	2.0	2.7	6.3	7.0	TN	2.7	1.9	(D)	(D)	(Z)	(Z)
KY	1.3	1.3	3.2	3.0	(Z)	(Z)	TX	9.3	10.3	215.9	238.6	(D)	(D)
LA	1.3	1.2	(D)	(D)	(Z)	(Z)	VA	2.0	2.6	154.1	154.2	10.1	14.5
ME	5.1	4.6	(D)	(D)	(Z)	(Z)	WA	3.0	3.4	23.0	25.1	(Z)	(Z)
MD	2.4	2.6	272.4	263.9	1	(D)	WV	.5	.4	25.7	29.0	2.4	2.2
MA	1.1	1.2	(Z)	(Z)	1	1	WI	1.9	2.2	11.2	11.6	6.2	5.1
							Other [1]	11.5	11.1	261.1	263.5	19.4	20.8

D Withheld to avoid disclosure. Z Less than 500,000 broilers or 50,000 turkeys. [1] Derived by subtracting printed estimates from U.S. total.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Layers and Egg Production—Annual*; *Poultry—Production, Disposition, and Income*; and *Turkeys*.

Digitized by Google

NO. 1115. POULTRY—NUMBER ON FARMS, VALUE, PRODUCTION, AND PRICES: 1970 TO 1986

[For year ending November 30 except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Chickens: [1] Number [2]	Million	433	380	397	401	392	385	379	365	374	369	369
Value per head [3]	Dollars	1.21	1.74	1.75	1.81	1.86	1.89	1.85	1.96	2.02	1.90	1.87
Value, total [3]	Mil. dol	525	660	696	726	737	728	703	717	754	700	690
Number produced [3]	Million	264	233	242	251	241	242	248	232	242	220	217
Price per lb [3]	Cents	9.1	9.9	12.4	13.9	11.0	11.1	10.3	12.7	15.9	14.8	12.5
Production value [3]	Mil. dol	107	105	142	171	129	135	121	145	181	152	128
Eggs: Number produced	Mil. doz	5,684	5,386	5,596	5,767	5,807	5,819	5,810	5,681	5,686	5,701	5,710
Price per dozen	Cents	39.1	52.4	52.2	58.3	56.3	63.1	59.5	61.1	72.3	57.1	61.6
Production value	Mil. dol	2,221	2,819	2,921	3,360	3,268	3,671	3,459	3,469	4,110	3,253	3,515
Broilers: [4] Number produced	Million	2,987	2,950	3,614	3,951	3,963	4,148	4,149	4,184	4,282	4,479	4,646
Price per lb	Cents	13.6	26.3	26.3	26.0	27.7	28.4	26.9	28.6	33.7	30.1	34.5
Production value	Mil. dol	1,475	2,915	3,676	4,032	4,303	4,699	4,502	4,873	6,018	5,680	6,780
Turkeys, number raised	Million	116	124	139	156	165	171	165	171	171	185	207
Price per lb	Cents	22.6	34.8	43.6	41.1	41.3	38.2	39.5	38.0	48.9	49.1	47.1
Gross income	Mil. dol	498	793	1,157	1,214	1,272	1,248	1,255	1,269	1,655	1,819	1,952

[1] Excludes commercial broilers. [2] As of Dec. 1. [3] Beginning 1985, represents number sold and value of sales. [4] Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Hatchery Production—Annual*; *Layers and Egg Production—Annual*; *Poultry—Production, Disposition, and Income*; and *Turkeys*.

NO. 1116. DAIRYING—COWS AND DAIRY PRODUCTS: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 595-608]

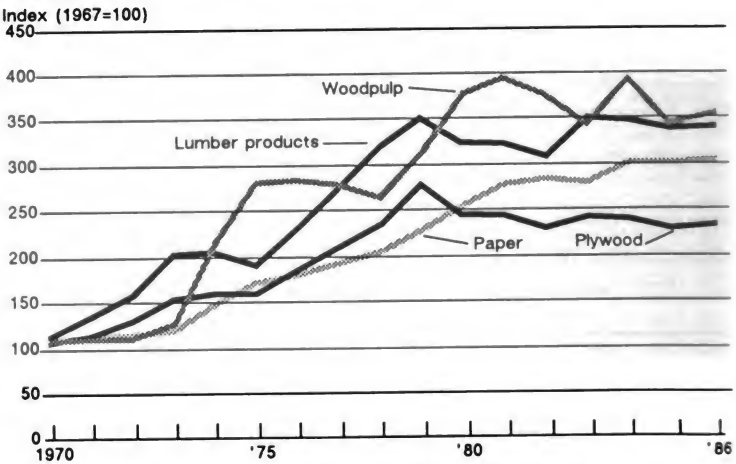
ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
Cows and heifers that have calved, kept for milk, Jan. 1 [1]	Mil. head	13.3	11.1	10.8	10.8	11.0	11.0	11.1	10.8	11.2
Milk produced on farms	Bil. lb	117	115	128	133	136	140	135	143	144
Production per cow	1,000 lb	9.8	10.4	11.9	12.2	12.3	12.6	12.6	13.0	13.3
Whole milk sold from farms [2]	Bil. lb	113	112	126	130	133	137	133	141	142
Sales to plants and dealers	Bil. lb	110	110	125	129	132	136	131	139	140
Value of milk produced	Bil. dollars	6.8	10.2	16.9	18.4	18.6	19.1	16.3	18.4	18.1
Gross farm income, dairy products	Bil. dollars	6.7	10.1	16.7	18.2	18.3	18.9	16.1	16.2	17.9
Cash receipts from marketing of milk and cream [2]	Bil. dollars	6.5	9.9	16.6	18.1	18.2	18.8	17.9	18.1	17.8
Sales to plants and dealers	Bil. dollars	6.3	9.7	16.3	17.8	17.9	18.5	17.7	17.8	17.6
Manufactured dairy products:										
Butter (incl. whey butter)	Mil. lb	1,137	984	1,145	1,228	1,257	1,299	1,103	1,248	1,202
Cheese, total [3]	Mil. lb	2,201	2,811	3,984	4,278	4,542	4,819	4,674	5,081	5,209
American (excl. full-skim American)	Mil. lb	1,428	1,660	2,376	2,642	2,752	2,926	2,648	2,855	2,798
Swiss (including block)	Mil. lb	144	174	219	214	221	209	206	223	227
Muenster, Brick, and Limburger [4]	Mil. lb	59	74	87	82	87	85	93	103	109
Cream and Neufchatel	Mil. lb	126	160	229	241	263	270	276	294	322
All Italian varieties	Mil. lb	394	672	983	994	1,086	1,200	1,319	1,491	1,633
Cottage cheese: Creamed [5]	Mil. lb	1,038	991	825	773	749	743	736	716	705
Curd, pot, and bakers'	Mil. lb	726	701	667	648	629	618	606	599	600
Condensed bulk milk	Mil. lb	1,237	1,041	952	972	975	984	1,159	1,232	1,362
Evaporated and condensed canned milk	Mil. lb	1,293	938	725	758	754	710	666	656	602
Dry whole milk	Mil. lb	69	63	83	93	102	111	120	119	122
Nonfat dry milk solids [6]	Mil. lb	1,456	1,009	1,168	1,322	1,410	1,510	1,168	1,398	1,294
Dry whey [7]	Mil. lb	621	596	690	779	791	892	898	987	1,031
Dry buttermilk	Mil. lb	60	43	44	44	39	46	43	52	66
Ice cream of all kinds	Mil. gal	762	837	830	832	852	882	894	901	924
Milk sherbet	Mil. gal	49	49	45	46	46	48	47	48	50
Ice milk	Mil. gal	287	299	293	291	281	295	300	301	315
Wholesale prices, American cheese:										
40-lb. blocks, Wis. assembly points	Cents per lb	55.0	86.6	133.0	139.4	138.3	138.3	138.0	127.7	127.3
Single dairies, Chicago	Cents per lb	64.9	104.4	156.2	167.2	168.4	168.2	170.4	160.1	157.5
Prices received by farmers, whole milk:										
Wholesale, per 100 lb	Dollars	5.71	8.75	13.05	13.77	13.61	13.58	13.46	12.75	12.51
Sold directly to consumers	Cents per qt.	27.0	35.4	45.3	48.3	48.1	48.4	49.2	48.7	48.4

[1] For 1970, cows and heifers 2 years old and over. [2] Comprises sales to plants and dealers, and retail sales by farmers direct to consumers. [3] Includes varieties not shown separately. Beginning 1975, includes full-skim. [4] Beginning 1986, excludes limburger. [5] Includes partially creamed (low fat). [6] Includes dry skim milk for animal feed. [7] Includes animal but excludes modified whey production.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Production of Manufactured Dairy Products*, annual; and *Milk Production, Disposition, and Income*, annual.

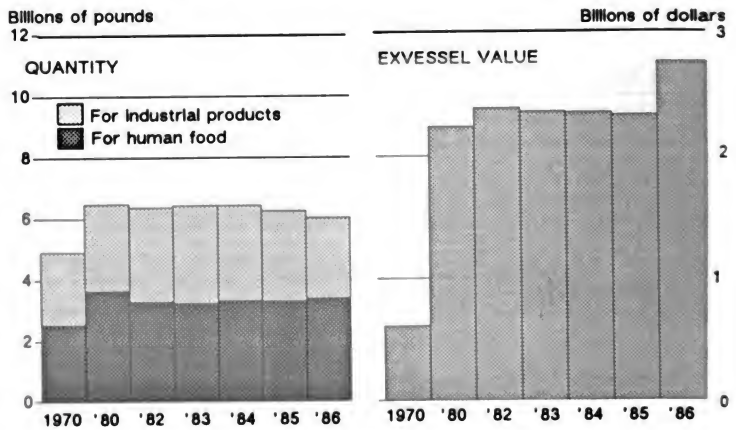
Digitized by Google

Figure 24.1
Selected Timber Products– Producer Price Indexes: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1124.

Figure 24.2
Fisheries–Quantity and Value of Domestic Catch: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1136.

Digitized by Google



Section 24

Forests and Fisheries

This section presents data on the area, ownership, and timber resource of commercial timberand; forestry statistics covering the National Forests and Forest Service cooperative programs; roduct data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data. In addition, lata are presented on commercial fishing and the fish processing industry.

The principal sources of data relating to forests and forest products are: *An Analysis of the Timber Situation in the United States, 1952–2030, Appendix 3; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–86;* and *Land Areas of the National Forest System,* issued anually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the epartment of Agriculture; and reports of the census of manufactures (taken every five years) and ie annual *Current Industrial Reports,* issued by the Bureau of the Census. Additional information published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and ie annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of abor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. ie data for forest land area and stand volumes are much more reliable for areas which have been cently surveyed than for those for which only estimates are available. Estimates of fire damage or uses of fires for Federal lands are considered much better than those for private lands. In gener- more data are available for lumber and other manufactured products such as veneer and plyood, etc., than for the primary forest products such as poles and piling and fuelwood.

The principal sources of data relating to fisheries are *Fishery Statistics of the United States,* and *sheries of the United States,* both issued annually by the National Marine Fisheries Service MFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings d holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. arterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual orts include quantity and value of commercial landings of fish and shellfish (by species, region, te, and type of fishing gear), disposition of landings, number of fishermen, and number and ds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual put of canned, packaged, and industrial products and, for the wholesaling and fish processing ablishments, annual and seasonal employment, and number of firms, by product and State.

he Magnuson Fishery Conservation and Management Act of 1976 (Magnuson Act), Public Law 265 as amended, provides for the conservation and management of all fishery resources within U.S. Exclusive Economic Zone (EEZ), except highly migratory species of tuna, and gives the eral Government exclusive authority over domestic and foreign fisheries within 200 nautical s of U.S. shores and over certain living marine resources beyond the EEZ. Within the EEZ, the l allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by **vessels.** Adjustments in the "optimum yield" level may occur periodically. For details, see *Fishs of the United States, 1986.* The NMFS collects and disseminates data on catches by foreign ng **vessels** in the EEZ.

storical statistics.—Tabular headnotes provide cross-references, where applicable, to *Histori-Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

atistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Aplix V.

Digitized by Google

No. 1117. National Forest Lands and Purchases: 1960 to 1986

[Area as of **June 30** except, beginning **1960**, as of **Sept. 30**; purchases for years ending **June 30**, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series L 10-14]

ITEM	Unit	1960	1965	1970	1975	1980	1982	1983	1984	1985	1986
Gross area [1]	Mil. acres	227	226	226	226	226	230	230	230	230	230
National Forest System	Mil. acres	186	187	187	188	187	191	191	191	191	191
Approved for purchase	1,000 acres	8	29	92	12	42	2	7	8	16	23
Average price per acre	Dollars	15	47	125	275	664	675	332	544	431	308
Total price	Mil. dol	.1	1.3	11.5	3.3	27.9	1.5	2.4	4.2	6.9	7.0
Purchases completed	1,000 acres	8	33	113	34	27	13	31	35	7	33
Average price per acre	Dollars	31	39	96	267	617	409	330	407	653	295
Total price	Mil. dol	.2	1.3	10.9	9.1	17.1	5.2	10.0	14.0	4.2	9.8
Gross area of purchase units	Mil. acres	56	56	56	56	56	58	58	58	58	58
Purchase completed, net area [2]	Mil. acres	19	19	20	20	20	20	20	20	20	20
Average price per acre	Dollars	4	4	6	9	12	14	15	15	15	15
Total price	Mil. dol	75	79	125	179	250	284	294	298	302	302

[1] Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas). [2] Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976;* and U.S. Forest Service, *Land Areas of the National Forest System*, annual; and unpublished data.

No. 1118. National Forest System—Summary: 1960 to 1986

[**For fiscal years ending in year shown;** see text, section 9. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
Timber cut, total value	Mil. dol	157.1	308.6	368.4	736.6	728.9	348.7	655.9	763.9	724.5	789.9
Commercial and cost sales: [1]											
Volume	Mil. bd. ft	9,367	11,527	9,174	9,178	8,036	6,747	9,244	10,549	10,941	11,786
Value	Mil. dol	156.4	307.6	366.0	729.8	720.9	339.2	649.7	759.6	720.6	786.9
Free use:											
Volume	Mil. bd. ft	123	179	616	2,070	2,107	2,343	1,071	570	399	306
Value [3]	Mil. dol	.2	.3	1.1	5.7	6.4	7.5	4.5	2.6	2.2	1.4
Misc. forest products:											
Value	Mil. dol	.5	.7	1.4	1.1	1.6	2.0	1.7	1.7	1.7	1.6
Livestock grazing: [3]											
Cattle and horses [4]	1,000	1,307	1,607	1,626	1,521	1,535	1,562	1,609	1,521	1,565	1,491
Sheep and goats	1,000	2,574	2,105	1,549	1,328	1,341	1,340	1,242	1,129	1,183	1,166
Roads and trails:											
Road construction [5]	Miles	851	942	136	925	1,217	1,867	2,016	1,667	1,903	1,252
Trail construction [5] [6]	Miles	142	278	298	2,419	727	782	959	874	987	1,092
Receipts, total	Mil. dol	148.2	299.7	373.1	702.9	680.7	350.2	495.3	637.3	635.9	831.7
Timber use	Mil. dol	140.1	283.9	341.3	625.4	581.4	251.0	398.5	544.3	514.6	745.1
Grazing use	Mil. dol	4.5	4.4	7.7	15.8	14.9	12.4	10.2	9.6	9.0	8.6
Special land use, etc	Mil. dol	3.6	11.4	24.1	61.6	84.4	86.8	86.6	83.5	112.3	78.0
Payments to local govt. [7]	Mil. dol	36.1	72.8	91.0	240.1	243.0	144.3	203.5	235.3	229.0	270.9
25-percent fund [7]	Mil. dol	35.4	71.9	89.8	233.6	230.5	132.6	192.7	224.9	212.2	262.1
Other [8]	Mil. dol	.7	.9	1.2	6.5	12.5	11.7	10.8	10.4	16.8	8.8
Allotments to Forest Service, total [10]	Mil. dol	14.9	29.5	39.5	73.1	68.2	35.2	49.0	62.3	60.0	82.1
Roads and trails	Mil. dol	14.2	28.8	35.9	65.5	60.9	29.4	44.5	58.0	55.5	78.0
Other	Mil. dol	.7	.8	3.6	7.6	7.3	5.8	4.5	4.3	4.5	4.1

[1] Includes land exchanges. [2] Includes some free use timber not reducible to board feet. [3] For 1960-1970, data for livestock permitted to graze; 1975 for authorized use; 1980-1986 for number actually grazed. Calendar-year data. Excludes Puerto Rico. [4] Excludes animals under 6 months of age. 1960-1970 includes swine. Includes burros beginning in 1980. [5] Includes reconstruction. 1960 excludes national grasslands. [6] Beginning 1980, includes work accomplished by Human Resource Programs and volunteers. [7] Payments made in following year. [8] Includes Tongass Alaska suspense account. [9] Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. [10] For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

Digitized by Google

No. 1119. Forest Land—Total and Commercial Area, Volume of Sawtimber, and Growing Stock: 1952 to 1977

[As of Jan. 1. For composition of regions, see source]

Year and region	Total forest land (mil. acres)	Commercial timberland, ownership [1]					Sawtimber net volume [2]			Growing stock, net volume [4] (bil. cu. ft.)
		All ownerships (mil. acres)	Federally owned or managed [3] (mil. acres)	State, county, and municipal (mil. acres)	Private		Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Hardwood (bil. bd. ft.)	
					Total (mil. acres)	Percent of total				
United States, 1952	**664**	**499**	**117**	**27**	**356**	**71.3**	**2,512**	**2,066**	**446**	**603**
North	209	169	13	18	137	81.1	249	59	190	111
South	197	192	14	3	175	91.1	409	197	213	136
West	258	138	89	6	43	31.2	1,854	1,811	44	356
United States, 1962	**759**	**509**	**117**	**27**	**366**	**71.9**	**2,516**	**2,033**	**484**	**648**
North	176	171	12	18	140	81.9	282	70	212	137
South	220	200	14	3	183	91.5	465	246	219	156
West	360	139	90	6	42	30.2	1,769	1,717	52	354
United States, 1970	**754**	**496**	**112**	**30**	**355**	**71.6**	**2,538**	**2,002**	**537**	**680**
North	186	169	12	18	138	81.7	320	83	237	156
South	212	193	14	3	175	90.7	535	296	239	177
West	355	135	85	8	42	31.1	1,684	1,623	61	348
United States, 1977	**737**	**482**	**105**	**30**	**347**	**72.0**	**2,579**	**1,985**	**594**	**711**
North	178	166	12	19	136	81.9	359	97	263	173
South	207	188	14	3	170	90.4	615	341	274	202
West	352	126	79	8	41	32.0	1,605	1,548	57	336

[1] Commercial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [2] Includes Indian lands. [3] Net volume of the sawlog portion of live sawtimber trees in board feet, International ¼-inch log rule. [4] Net volume in cubic feet of live sawtimber and poletimber trees from stump to a minimum 4-inch top (of central stem) outside bark or to the point where the central stem breaks into limbs.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952–2030*, Appendix 3.

No. 1120. National Forest Lands—States and Other Areas: 1986

[**In thousands of acres.** As of **Sept. 30.** See also *Historical Statistics, Colonial Times to 1970*, series L 10–11]

State	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries	State	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries
Total	**230,007**	**190,832**	**39,175**				
AL	1,274	647	627	NE	442	352	90
AK	24,018	22,811	1,207	NV	5,426	5,162	264
AZ	11,934	11,274	659	NH	819	706	114
AR	3,502	2,483	1,019	NM	10,384	9,326	1,058
CA	24,324	20,503	3,821	NY	13	13	–
CO	16,030	14,446	1,584	NC	3,165	1,219	1,947
CT	(z)	(z)	–	ND	1,106	1,106	(z)
FL	1,224	1,100	125	OH	833	179	654
GA	1,855	867	989	OK	461	296	166
HI	(z)	(z)	–	OR	17,481	15,614	1,866
ID	21,706	20,444	1,262	PA	743	511	232
IL	840	263	576	SC	1,382	611	770
IN	644	188	456	SD	2,347	1,997	350
KS	117	108	9	TN	1,212	626	586
KY	2,102	681	1,421	TX	1,994	752	1,243
LA	1,023	600	423	UT	9,130	8,043	1,086
ME	94	51	42	VT	630	325	304
MI	4,873	2,766	2,107	VA	3,226	1,637	1,588
MN	5,467	2,805	2,662	WA	10,045	9,137	908
MS	2,310	1,147	1,163	WV	1,861	978	883
MO	3,082	1,471	1,610	WI	2,023	1,507	516
MT	19,093	16,798	2,295	WY	9,717	9,255	462
				PR	56	28	28
				VI	(z)	(z)	–

– Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1117.

Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

Digitized by Google

No. 1121. Timber-Based Industries—Employment and Average Hourly Earnings: 1970 to 1986

[Data for production workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

SIC [1] CODE	ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
		1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
24	Lumber and wood products [2]	554	517	578	590	584	597	2.96	4.26	6.55	8.03	8.22	8.33
241	Logging camps and contractors	(NA)	59	71	68	67	70	(NA)	5.28	8.64	10.70	10.92	10.84
242	Sawmills and planing mills	196	180	190	180	172	172	2.84	4.34	6.70	8.42	8.52	8.56
243	Millwork, plywood, and structural members	(NA)	137	164	185	190	203	(NA)	4.26	6.41	7.81	8.06	8.20
26	Paper and allied products	543	480	523	512	512	511	3.44	5.01	7.84	10.41	10.83	11.18
25	Furniture and fixtures	362	337	378	390	394	397	2.77	3.78	5.49	6.84	7.17	7.46

NA Not available. [1] Standard Industrial Classification; see text, section 27. [2] Excludes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1122. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1960 to 1985

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985, prel.
Industrial roundwood:										
Domestic production [1]	8,920	11,105	10,575	12,955	12,090	11,090	10,825	12,010	12,685	12,420
Softwoods	6,930	8,635	8,380	10,135	9,280	8,485	8,410	9,275	9,790	9,635
Hardwoods	1,995	2,470	2,195	2,815	2,810	2,605	2,410	2,735	2,895	2,780
Imports	1,680	2,430	2,215	3,655	3,250	3,165	3,015	3,710	4,165	4,335
Exports	455	1,540	1,685	2,135	2,350	2,090	1,995	2,110	2,060	2,085
Consumption [2]	10,145	11,995	11,105	14,470	12,995	12,160	11,840	13,610	14,790	14,690
Softwoods	8,065	9,425	8,875	11,605	10,335	9,655	9,540	10,960	11,965	11,930
Hardwoods	2,080	2,565	2,230	2,865	2,660	2,510	2,300	2,650	2,825	2,760
Lumber:										
Domestic production	[3] 5,080	5,215	4,890	6,115	5,300	4,780	4,635	5,370	5,770	5,640
Imports	610	955	930	1,800	1,540	1,490	1,460	1,915	2,130	2,345
Exports	135	195	255	340	395	380	320	360	340	305
Consumption	5,560	5,970	5,565	7,580	6,450	5,885	5,780	6,925	7,560	7,680
Plywood and veneer:										
Domestic production	705	1,020	1,165	1,370	1,175	1,180	1,135	1,365	1,400	1,410
Imports	60	170	170	195	120	140	115	160	145	165
Exports	(Z)	15	70	45	45	70	50	65	45	40
Consumption	765	1,170	1,265	1,520	1,250	1,250	1,200	1,460	1,500	1,535
Pulp products:										
Domestic production	2,575	3,835	3,485	4,110	4,390	4,125	3,980	4,165	4,355	4,165
Imports	985	1,280	1,105	1,635	1,565	1,515	1,415	1,605	1,860	1,810
Exports	275	720	715	805	1,070	995	900	965	930	920
Consumption	3,290	4,400	3,875	4,935	4,885	4,645	4,495	4,805	5,290	5,055
Logs:										
Imports	20	25	15	25	25	20	20	30	30	20
Exports	45	465	455	870	560	425	550	565	600	655
Pulpwood chips, exports	–	145	195	280	275	220	175	155	145	145
Other industrial prod [4] consumption	510	425	385	410	390	350	345	390	410	400
Fuelwood consumption	1,300	540	570	2,270	3,190	3,225	3,480	3,425	3,635	(NA)

– Represents zero. NA Not available. Z Less than 500,000 cubic feet. [1] Includes log exports. [2] Includes log imports. [3] Excludes Alaska and Hawaii. [4] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

No. 1123. Timber Products—Per Capita Consumption: 1960 to 1985

[Based on total population estimated as of **July 1**. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985, prel.
All products	Cu. ft	63.3	61.1	54.1	74.4	71.0	66.9	65.9	72.6	77.7	(NA)
Industrial roundwood	Cu. ft	56.1	58.5	51.4	64.3	57.0	52.8	50.9	58.0	62.4	61.4
Lumber	Cu. ft	30.8	29.1	25.8	33.7	28.3	25.6	24.9	29.5	31.9	32.1
Plywood and veneer	Cu. ft	4.2	5.7	5.9	6.8	5.5	5.4	5.2	6.2	6.3	6.4
Pulp products	Cu. ft	18.2	21.4	17.9	21.9	21.4	20.2	19.3	20.5	22.3	21.1
Other products	Cu. ft	2.8	2.1	1.8	1.8	1.7	1.6	1.5	1.7	1.7	1.7
Fuelwood	Cu. ft	7.2	2.8	2.6	10.1	14.0	14.0	15.0	14.6	15.3	(NA)
Lumber	Bd. ft	199	193	171	222	188	169	161	190	206	208
Plywood and veneer	Bd. ft	25	34	32	37	30	29	28	34	34	35
Pulp products	Cords (128 cu. ft.)	.2	.3	.2	.3	.3	.3	.2	.3	.3	.3

NA Not available.

Source of tables 1122 and 1123: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-85*, annual.

Digitized by Google

No. 1124. Selected Timber Products—Producer Price Indexes: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

INDEX AND PRODUCT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
1967 = 100												
oftwood lumber [1]	113	201	297	346	380	345	343	322	370	354	345	348
Douglas fir	109	212	291	340	384	353	312	266	362	328	337	332
Southern pine	115	175	263	305	324	297	292	266	320	320	301	300
ardwood lumber [1]	115	160	200	236	260	252	255	262	284	320	307	310
ywood [2]	108	181	212	236	251	247	246	232	244	242	231	235
Softwood	114	201	296	326	323	309	307	282	310	304	303	309
Hardwood	103	120	128	140	169	177	180	181	180	180	163	165
ulation board	111	144	178	203	199	208	242	251	263	270	(NA)	(NA)
odpulp	110	263	281	267	315	380	397	379	347	397	347	358
per	111	173	194	206	230	257	280	266	282	303	303	306
perboard	101	170	176	180	202	235	258	255	251	282	275	272
ntainerboard	99	172	172	173	198	231	253	246	(NA)	(NA)	(NA)	(NA)
rdboard and particleboard	93	114	141	170	166	191	213	220	229	238	233	236
Dec. 1980 = 100												
rdwood lumber:												
Oak, red, #1, common	43	60	91	113	120	103	(NA)	115	143	167	140	146
ium #2, common	50	63	84	111	117	108	(NA)	(NA)	105	122	117	110
poplar #1, common	62	71	81	97	102	99	104	(NA)	(NA)	104	102	109
hwood, ponderosa pine, #3 boards	23	42	66	77	93	84	88	73	75	81	69	74

A Not available. [1] Includes lumber listed below and other softwoods or hardwoods. [2] Includes softwood plywood eer.

ource: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, annual.

No. 1125. Selected Species—Stumpage and Log Prices In Current and Constant (1967) Dollars: 1970 to 1986

dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

SPECIES	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS											
oods:											
uglas-fir [1]	41.90	169.50	250.30	394.40	432.20	350.20	118.20	161.60	132.90	126.20	160.70
uthern pine [2]	44.10	57.00	134.50	155.20	155.40	172.00	127.20	140.60	139.40	90.70	103.60
ıar pine [3]	38.50	99.20	159.60	365.00	666.60	225.20	71.90	137.70	84.30	109.70	169.60
derosa pine [4]	32.10	71.20	164.70	239.00	206.10	195.20	66.90	104.00	122.70	101.40	156.60
stern hemlock [5]	20.50	68.80	113.60	200.80	212.70	163.40	44.50	62.20	61.80	50.50	74.70
oods: [6]											
astern hardwoods	26.90	33.90	41.10	46.80	52.40	50.90	56.40	60.10	90.10	65.40	69.90
, white, red, and black	26.60	29.70	59.20	66.80	65.60	63.20	70.80	87.90	145.00	94.50	108.10
ple	34.40	39.60	57.40	33.90	37.40	41.50	34.30	25.00	48.60	56.20	66.90
as-fir log prices: [7]											
logs [8]	89.30	168.70	284.60	382.20	378.80	331.40	308.80	277.30	288.60	239.30	(NA)
ler logs [9]	136.60	274.40	446.40	571.30	584.40	563.90	460.90	427.50	414.00	364.50	(NA)
NSTANT (1967) DOLLARS [10]											
oods:											
glas-fir [1]	38.00	96.90	119.60	167.40	160.80	119.40	39.50	53.30	42.80	40.90	53.60
hern pine [2]	39.90	32.60	64.30	65.90	57.80	58.60	42.50	46.40	44.90	29.40	34.60
r pine [3]	34.90	56.70	76.30	154.90	248.00	76.80	24.00	45.40	27.20	35.50	56.60
derosa pine [4]	29.10	40.70	78.70	101.40	76.70	66.50	22.40	34.30	39.50	32.80	52.20
tern hemlock [5]	18.60	39.30	54.30	85.20	79.10	55.70	14.90	20.50	19.90	16.40	24.90
oods: [6]											
astern hardwoods	24.40	19.40	19.60	19.90	19.50	17.30	18.80	19.80	29.00	21.20	23.30
white, red, and black	24.10	17.00	28.30	29.20	24.40	21.50	23.70	29.00	46.70	30.60	36.10
e	31.20	22.60	27.40	14.40	13.90	14.10	11.50	8.20	15.70	18.20	23.00
s-fir log prices: [7]											
logs [8]	80.90	96.50	136.00	162.20	141.30	113.00	103.20	91.50	93.00	77.50	(NA)
r logs [9]	123.70	156.90	213.30	242.50	217.40	192.20	154.00	141.00	133.40	118.00	(NA)

tern Washington and western Oregon. [2] Southern region. [3] Pacific Southwest region (formerly California region). ific Southwest region (formerly California region). Includes Jeffrey pine. [5] Pacific Northwest region. [6] Eastern and n regions. [7] (Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average tions which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling or on delivery to a mill. [8] Includes mixed grades, ungraded, and, beginning 1975 grade 4 logs. [9] Includes special fir r special mill grade. [10] Deflated by the producer price index, all commodities.

e: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-85*, annual.

Digitized by Google

No. 1126. Lumber Production and Consumption, by Kind of Wood: 1960 to 1985

[In millions of board feet, except as indicated. 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985 [1]
Total production	32,926	34,668	32,619	40,498	40,569	35,354	31,672	30,010	34,572	37,065	36,314
Softwoods [2]	26,672	27,530	26,747	33,467	33,255	28,239	25,420	24,949	28,927	30,801	30,262
Cedar	(S)	693	821	929	837	722	757	470	744	752	760
Douglas fir	8,832	7,727	7,329	8,601	8,425	6,853	5,868	4,842	6,434	7,809	7,766
Hemlock	2,032	1,980	2,020	2,728	2,505	1,955	1,501	1,264	1,316	(NA)	(NA)
Ponderosa pine	3,169	3,429	3,544	4,175	3,966	3,269	2,894	2,350	2,869	3,679	3,899
Redwood	1,000	1,078	1,054	917	896	770	730	760	852	999	1,155
Southern yellow pine	5,660	7,063	6,967	9,231	9,283	8,217	8,415	8,754	10,181	10,648	10,142
White fir	2,224	2,063	2,012	2,099	2,140	1,643	1,253	974	1,316	2,017	2,156
White pine	675	898	947	1,154	(S)	(S)	502	272	(NA)	(NA)	(NA)
Hardwoods [3]	6,254	7,138	5,872	7,031	7,314	7,115	6,252	5,061	5,644	6,264	6,052
Ash	125	159	124	160	(S)	(S)	130	122	224	219	222
Beech	195	188	136	146	193	183	95	88	112	111	91
Cottonwood and aspen	206	229	253	372	374	303	155	105	197	133	125
Elm	195	155	117	151	151	149	77	57	(NA)	(NA)	(NA)
Maple	602	742	531	561	[4] 217	[4] 225	426	367	524	538	545
Oak	2,789	3,250	2,724	3,220	3,461	3,356	1,922	1,855	2,163	2,786	2,779
Sweet gum [5]	331	376	245	412	401	371	231	193	278	300	265
Tupelo and black gum	292	335	251	267	(S)	(S)	79	64			
Yellow poplar	592	606	555	645	673	661	409	399	475	569	527
Domestic consumption [6]	35,225	38,073	36,100	49,637	47,547	40,104	37,919	36,273	45,138	48,693	50,077
Percent net imports [6]	8.7	12.7	12.2	21.1	19.9	18.7	19.0	20.2	22.1	24.0	26.0
Softwoods	28,974	31,585	30,309	42,640	40,608	33,832	32,064	31,173	39,742	42,857	44,243
Per capita (bd. ft.) [7]	164	155	141	192	181	149	140	134	170	181	185
Mill stocks, yearend	5,285	4,340	4,063	4,032	4,230	4,228	4,167	4,270	4,606	4,594	4,765
Exports	688	1,152	1,373	1,369	1,745	1,956	1,878	1,630	1,745	1,599	1,515
Imports	3,631	5,769	5,711	11,825	11,118	9,540	9,205	9,119	11,947	13,270	14,606
Hardwoods	6,252	6,488	5,791	6,997	6,939	6,272	5,855	5,096	5,397	5,836	5,834
Per capita (bd. ft.) [7]	35	32	27	32	31	28	25	22	23	25	24
Mill stocks, yearend	2,067	1,144	875	820	1,105	1,572	1,727	1,539	1,334	1,561	1,719
Exports	173	138	165	320	307	379	406	356	478	467	397
Imports	291	347	224	361	376	293	291	211	261	328	364

NA Not available. S Figure does not meet publication standards. [1] Production data preliminary. [2] Includes types not shown separately. [3] Excludes hard maple. [4] Red and sap. [5] Source: Through 1970, Copeland Economics Group, Inc. Stamford, CT; thereafter, National Forest Products Association, Washington, DC. *The Economics Monthly Bulletin*, quarterly edition (copyright). [6] Imports minus exports. [7] Based on resident population estimated as of July 1.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1127. Lumber Production, by Geographic Area: 1970 to 1985

[In billion board feet. Data based in part on a sample of sawmills and are subject to sampling variability; see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

SECTION AND DIVISION	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
United States	34.7	34.6	32.6	[1] 37.0	[1] 39.4	[1] 40.5	[1] 40.6	[1] 35.4	[1] 31.7	30.0	34.6	37.1	36.3
North [2]	4.4	4.4	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	4.3	4.5	4.3
Hardwood	3.4	3.3	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0	3.3	3.1
Softwood	1.0	1.1	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3	1.2	1.2
South [3]	10.8	10.4	9.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	12.7	13.4	12.9
Hardwood	3.6	3.4	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.4	2.8	2.7
Softwood	7.2	7.0	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.8	10.3	10.7	10.2
West [3]	19.4	19.7	18.8	21.1	21.8	21.7	21.1	17.2	(NA)	15.4	17.6	19.1	19.2
Hardwood	.1	.2	.1	.1	.2	.2	.2	.3	(NA)	.2	.2	.2	.2
Softwood	19.3	19.5	18.6	20.9	21.6	21.4	20.9	16.9	(NA)	15.1	17.4	19.0	19.0
New England	.7	.8	.8	.9	.9	1.0	1.0	1.1	.7	1.0	1.2	1.1	1.1
Middle Atlantic	.8	.9	.7	.8	.9	.9	.9	.9	.5	.8	.8	.8	.7
East North Central	1.2	1.2	1.1	1.2	1.3	1.4	1.4	1.3	1.0	1.1	1.2	1.3	1.3
West North Central	.6	.6	.5	.6	.6	.7	.6	.6	.2	.3	.4	.4	.4
South Atlantic	5.2	5.1	4.7	5.2	5.3	5.4	5.8	5.2	4.4	5.4	6.5	6.7	6.4
East South Central	3.4	3.4	3.0	3.3	3.6	3.7	3.6	3.2	2.8	3.2	3.8	4.2	4.1
West South Central	3.2	2.9	3.0	3.1	3.5	3.6	3.2	2.9	2.3	2.8	3.1	3.0	3.1
Mountain	4.2	3.9	3.9	4.6	4.7	4.7	4.5	3.8	3.3	3.3	3.8	4.4	4.6
Pacific	15.3	15.8	14.8	16.6	17.1	17.0	16.6	13.4	11.2	12.2	13.6	14.8	14.6

NA Not available. [1] Includes amounts not specified by division. [2] Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-85*, annual. Sections are as defined by the Forest Service, see source.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

Digitized by Google

No. 1128. Wood Products—Production: 1960 to 1986

ITEM	Unit	1960	1970	1975	1980	1981	1982	1983 [1]	1984 [1]	1985 [1]	1986, [1] prel.
Hardwood flooring	Mil. bd. ft.	915	333	155	292	315	275	365	400	416	419
Softwood plywood	Bil. sq. ft., ⅜" basis	7.8	14.1	15.7	15.5	15.6	14.1	18.0	18.9	20.2	22.4
Insulation boards	1,000 short tons	1,098	1,219	1,249	1,051	845	729	900	785	649	600
Hardboard	1,000 short tons	686	1,463	1,784	1,970	1,858	1,465	1,900	2,170	2,000	1,848
Particleboard	Mil. sq. ft., ⅝" basis	268	1,764	2,503	3,029	2,930	2,470	3,010	3,196	3,331	3,603

[1] Estimated by the International Trade Administration.

Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983), and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

No. 1129. Paper and Paperboard—Production and Consumption: 1970 to 1986

[In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178–191]

ITEM	PRODUCTION						CONSUMPTION [1]					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
Total paper and paperboard	51.7	51.0	63.5	70.3	68.8	72.7	56.0	54.1	67.1	77.0	76.3	79.8
Paper: Newsprint	3.5	3.7	4.7	5.5	5.4	5.6	9.8	9.0	11.4	12.7	12.8	13.0
Coated printing, converting	2.2	3.2	4.6	6.2	5.9	6.3	3.2	3.0	4.6	6.6	6.3	6.7
Uncoated free sheet	5.1	5.3	8.0	9.2	9.7	10.4	5.1	5.3	8.0	9.5	10.0	10.8
Other printing, writing, etc.	2.6	2.5	2.9	3.0	2.9	2.9	2.7	2.6	3.4	4.3	4.2	4.5
Packaging and industrial converting	5.3	4.6	5.5	5.6	5.2	5.1	5.1	4.3	5.2	5.4	5.1	5.1
Tissue and other machine creped	3.5	4.0	4.4	4.9	4.9	5.1	3.7	3.9	4.3	4.9	5.0	5.1
Paperboard: Unbleached kraft	11.5	11.5	15.3	17.2	16.4	17.7	9.9	10.5	13.0	15.2	14.6	15.7
Bleached kraft	3.3	3.3	3.9	4.0	3.9	4.3	3.2	3.1	3.3	3.6	3.5	3.9
Semichemical	3.5	3.7	4.7	5.2	5.1	5.4	3.4	3.6	4.4	5.1	5.0	5.3
Recycled finish	7.0	6.2	7.1	7.6	7.6	8.1	7.0	6.2	7.0	7.7	7.7	8.1
Construction paper and board [2]	3.0	3.0	2.6	[3] 1.8	[3] 1.8	[3] 1.8	3.0	3.0	3.0	[3] 2.2	[3] 2.1	[3] 2.0

[1] Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. [2] Source: 1970–1980 U.S. Bureau of the Census, *Current Industrial Reports*. Includes wet machine board, approximately 100,000–160,000 tons per year. [3] Estimated.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

No. 1130. Newsprint—Production, Stocks, Consumption, Imports, and Price Index: 1960 to 1986

[In thousands of metric tons, except price index and imports (imports shown in short tons). See also *Historical Statistics, Colonial Times to 1970*, series L 192–198]

COUNTRY AND ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Canada: Production	6,114	7,808	6,966	8,756	8,625	8,950	8,109	8,486	9,013	8,988	9,289
Shipments from mills	6,125	7,795	7,010	8,780	8,622	8,913	8,054	8,439	9,018	8,996	9,302
Stocks at mills, end of year	127	214	86	162	165	202	256	303	298	290	277
United States:											
Estimated consumption [1]	6,634	8,805	8,395	10,199	10,088	10,164	10,107	10,587	11,431	11,587	11,936
Production	1,849	3,142	3,348	3,685	4,239	4,752	4,574	4,686	5,025	4,924	5,108
Shipments from mills	1,842	3,136	3,347	3,689	4,234	4,735	4,526	4,674	5,065	4,927	5,115
Stocks, end of year: At mills	24	30	19	16	21	38	86	99	60	57	49
At and in transit to publishers	570	680	666	628	732	961	854	790	874	910	849
Imports [2]	5,412	6,635	5,847	7,221	7,260	6,978	6,531	6,919	7,899	8,472	8,589
Producer price index (1967 = 100)	96.1	107.6	184.0	250.2	[3] 279.3	[3] 308.0	315.8	303.0	323.1	332.4	326.1

[1] By all users. Based on American Paper Institute data. [2] Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1981, Virgin Islands. [3] Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

No. 1131. Wastepaper Utilization and Recovery Rates: 1960 to 1986

[In millions of short tons, except percent. Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Paper and board, production [1]	33.9	51.7	51.0	64.3	63.5	64.3	61.0	66.8	70.3	68.8	72.7
Wastepaper consumption	[2] 9.0	11.8	11.7	15.4	14.9	15.0	14.4	15.6	16.7	16.4	17.5
Wastepaper utilization rate (percent)	26.5	22.8	23.0	23.8	23.4	23.3	23.7	24.4	23.8	23.8	23.9
Other wastepaper uses [3]	.20	.42	.54	.51	.47	.48	.49	.48	.46	.48	.49
Wastepaper exports	.15	.41	.86	2.23	2.66	2.21	2.13	2.57	3.24	3.29	3.75
Total wastepaper recovered	9.3	12.6	13.1	18.0	18.0	17.7	17.0	18.6	20.3	20.0	21.6
Paper and board, new supply [4]	38.5	56.0	54.1	69.8	67.1	68.0	64.7	71.2	77.0	76.3	79.8
Recovery rate (percent)	24.2	22.4	24.2	25.8	26.8	26.0	26.2	26.1	26.4	26.3	27.0

[1] Excludes hard pressed board; includes construction paper and board, and wet machine board. [2] Source: U.S. Bureau of the Census, Report FT 446. [3] Estimated. [4] Excludes production of hard pressed board.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual, and unpublished data.

Digitized by Google

No. 1132. Selected Wood Products—Production and Consumption: 1970 to 1986

[See also *Historical Statistics of the United States, Colonial Times to 1970*, series L 151-170]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986
PULPWOOD										
Receipts, total	Mil. cords [1]	68.9	65.4	81.0	79.3	77.3	83.4	88.0	85.4	91.1
Softwood	Mil. cords [1]	52.4	49.3	60.2	58.8	56.4	59.8	62.9	60.2	63.5
Hardwood	Mil. cords [1]	16.5	16.2	20.8	20.5	20.9	23.6	25.2	25.1	27.6
Consumption, total	Mil. cords [1]	67.6	65.4	79.7	79.3	77.8	83.5	87.0	84.8	90.6
Softwood	Mil. cords [1]	51.3	48.9	58.8	58.5	56.4	59.9	62.0	59.7	63.0
Hardwood	Mil. cords [1]	16.3	16.5	20.9	20.8	21.1	23.6	24.9	25.1	27.6
Inventories [2]	Mil. cords [1]	6.6	6.6	6.7	5.9	5.4	5.2	5.2	5.1	4.7
WOODPULP										
Production	Mil. short tons	43.9	43.1	53.0	52.6	51.0	54.1	57.8	57.7	60.9
Consumption,[3] total	Mil. short tons	43.2	42.4	52.4	52.6	50.2	54.0	57.5	56.6	59.9
Own pulp	Mil. short tons	38.9	38.5	46.6	47.3	44.8	47.7	50.3	49.7	52.6
Purchased pulp	Mil. short tons	4.3	3.9	5.9	5.5	5.6	6.3	7.2	7.0	7.3
PLYWOOD										
Softwood:										
Production	Mil. sq. ft.[4]	14,149	15,706	15,483	15,524	15,134	18,281	18,865	19,341	19,928
Consumption, total	Mil. sq. ft.[4]	(NA)	(NA)	15,145	14,983	14,741	17,737	18,526	19,122	19,436
Value	Mil. dol	949	(NA)	2,582	2,390	2,177	2,877	2,995	3,080	3,165
Hardwood:										
Production	Mil. sq. ft.[5]	1,904	1,260	1,311	1,232	1,163	1,248	1,185	1,016	1,052
Consumption, total	Mil. sq. ft.[5]	5,772	4,970	3,416	3,837	3,173	4,324	3,831	4,311	4,610
Value	Mil. dol	516	586	977	1,085	920	1,131	1,199	1,192	1,227

NA Not available. [1] Standard cords, 128 cubic feet roughwood bases. [2] As of Dec. 31. [3] In the manufacture of paper and board. [4] ⅜" basis. [5] Surface measure.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA26-A, MA24-H, and MA24-F.

No. 1133. Selected Timber Products—Imports and Exports: 1970 to 1986

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
IMPORTS [1]											
Lumber, total [2]	Mil. bd. ft	6,114	5,976	11,530	9,866	9,523	9,360	12,254	13,632	15,008	14,617
From Canada	Percent	96.0	96.0	97.0	97.5	97.5	96.2	96.3	97.9	97.6	97.5
Softwoods	Mil. bd. ft	5,776	5,724	11,153	9,573	9,232	9,150	11,993	13,304	14,644	14,277
Value	Mil. dol	434	717	2,551	1,826	1,783	1,624	2,569	2,681	2,698	2,686
Hardwoods	Mil. bd. ft	337	252	376	293	291	211	260	328	364	340
Value	Mil. dol	62	70	187	152	154	104	134	173	180	168
Logs, total	Mil. bd. ft.[3]	144	85	133	126	101	117	165	147	99	78
From Canada	Percent	79.6	93.9	83.6	97.4	98.3	98.6	97.9	97.4	81.8	77.9
Softwoods	Mil. bd. ft.[3]	107	69	118	114	88	99	142	117	71	52
Value	Mil. dol	9	12	26	17	17	23	24	15	17	7
Hardwoods	Mil. bd. ft.[3]	38	17	15	13	14	18	23	30	28	26
Value	Mil. dol	5	3	3	3	3	3	3	5	4	4
Paper and board [4]	1,000 tons	7,115	6,253	9,123	8,780	8,339	8,024	8,986	11,075	11,522	11,839
Value	Mil. dol	1,039	1,606	3,208	3,418	3,672	3,682	4,019	5,324	5,698	6,005
Woodpulp	1,000 tons	3,518	3,078	4,318	4,051	4,087	3,656	4,093	4,490	4,466	4,582
Value	Mil. dol	483	1,007	1,465	1,684	1,764	1,493	1,472	1,845	1,521	1,601
Plywood	Mil. sq. ft	4,171	3,913	4,243	2,477	3,047	2,270	3,393	3,056	3,609	3,937
Value	Mil. dol	208	260	591	409	485	331	451	436	483	519
EXPORTS											
Lumber, total [5]	Mil. bd. ft	1,243	1,618	2,142	2,494	2,406	2,021	2,270	2,150	1,945	2,427
To: Canada	Percent	21.7	34.0	30.4	25.3	30.3	20.7	29.3	25.8	23.7	22.8
Japan	Percent	30.8	31.9	30.2	26.0	21.8	31.1	27.8	28.0	32.1	36.4
Europe	Percent	24.1	15.1	21.3	23.8	16.6	20.3	20.2	16.0	15.1	16.6
Softwoods	Mil bd. ft	1,110	1,495	1,791	2,007	1,928	1,635	1,756	1,624	1,519	1,879
Value	Mil. dol	163	346	791	789	664	582	609	541	497	644
Hardwoods	Mil bd. ft	128	213	361	487	479	386	514	527	427	548
Value	Mil. dol	31	68	225	272	269	229	305	300	263	350
Logs, total	Mil. bd. ft.[3]	2,741	2,667	3,897	3,261	2,469	3,208	3,307	3,495	3,843	3,627
To: Canada	Percent	10.6	10.4	10.5	9.7	9.9	9.4	10.5	12.1	11.6	12.2
Japan	Percent	86.3	84.6	80.8	78.0	71.3	61.7	55.4	50.4	49.4	57.3
China, Mainland	Percent	(NA)	(NA)	2.7	8.9	17.5	21.9	24.8	27.9	31.5	27.3
Softwoods	Mil. bd. ft.[3]	2,672	2,601	3,768	3,109	2,377	3,115	3,196	3,369	3,732	3,499
Value	Mil. dol	320	681	1,614	1,452	1,003	1,174	1,088	1,079	1,169	1,129
Hardwoods	Mil. bd. ft.[3]	69	66	129	152	112	93	112	126	111	128
Value	Mil. dol	36	43	138	129	92	84	98	101	91	97
Paper and board [4]	1,000 tons	2,817	3,116	3,672	5,214	4,641	4,246	4,589	4,387	4,077	4,832
Value	Mil. dol	602	1,315	1,914	2,773	2,891	2,589	2,481	2,552	2,268	2,549
Woodpulp	1,000 tons	3,095	2,782	2,935	3,806	3,678	3,395	3,644	3,594	3,791	4,458
Value	Mil. dol	464	875	1,104	1,652	1,661	1,415	1,382	1,502	1,353	1,662
Plywood	Mil. sq. ft	183	871	435	420	741	493	615	407	365	356
Value	Mil. dol	16	141	107	108	178	117	143	94	86	145

[1] Customs value of imports, see text, section 29. [2] Includes railroad ties. [3] Log scale. [4] Includes paper and board products. Excludes hardboard.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics: 1950 to 1986*.

Digitized by Google

No. 1134. Fishery Products—Supply: 1970 to 1986

[Live weight, in millions of pounds, except percent. 1978–1986 preliminary. See *Historical Statistics, Colonial Times to 1970*, series L 224–226, for domestic catch]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	11,474	10,164	10,652	11,509	11,831	11,357	11,353	12,011	12,352	12,552	15,150	14,368
For human food	6,213	6,394	7,466	8,135	8,251	8,006	8,267	7,968	8,413	8,498	9,337	9,620
Finfish	(NA)	4,848	5,641	6,263	6,324	6,139	6,316	6,090	6,358	6,303	6,991	7,087
Shellfish [1]	(NA)	1,546	1,825	1,872	1,927	1,867	1,951	1,878	2,055	2,195	2,346	2,533
For industrial use	5,261	3,770	3,186	3,374	3,580	3,351	3,086	4,043	3,939	4,054	5,813	4,748
Domestic catch	4,917	4,877	5,271	6,028	6,267	6,482	5,977	6,367	6,439	6,438	6,258	6,031
Percent of total	42.8	47.9	49.5	52.4	53.0	57.1	52.7	53.0	52.1	51.3	41.3	42.0
For human food	2,537	2,465	2,952	3,177	3,318	3,654	3,547	3,285	3,238	3,320	3,294	3,393
Finfish	(NA)	1,548	1,833	2,018	2,204	2,516	2,414	2,324	2,351	2,348	2,273	2,240
Shellfish [1]	(NA)	917	1,119	1,159	1,114	1,138	1,133	961	887	972	1,021	1,153
For industrial use	2,380	2,412	2,319	2,851	2,949	2,828	2,430	3,082	3,201	3,118	2,964	2,638
Imports [2]	6,557	5,287	5,381	5,481	5,564	4,875	5,376	5,644	5,913	6,114	8,892	8,337
Percent of total	57.2	52.1	50.5	47.6	47.0	42.9	47.3	47.0	47.9	48.7	58.7	58.0
For human food	3,676	3,929	4,514	4,958	4,933	4,352	4,720	4,683	5,175	5,178	6,043	6,227
Finfish	(NA)	3,300	3,808	4,245	4,120	3,623	3,902	3,766	4,007	3,955	4,716	4,847
Shellfish [1]	(NA)	629	706	713	813	729	818	917	1,168	1,223	1,325	1,380
For industrial use [3]	2,881	1,358	867	523	631	523	656	961	738	936	2,849	2,110

NA Not available. [1] For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. [2] Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [3] Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1135. Fisheries—Employment, Fishing Craft, and Establishments: 1970 to 1985

[In thousands. As of Dec. 31. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254–261]

ITEM	1970	1975	1976	1977	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.	1983, prel.	1984, prel.	1985, prel.
Persons employed in U.S.	227	260	267	280	257	267	296	303	314	333	340	351
Fishermen	140	168	174	182	172	184	193	198	216	223	230	239
Shore workers [1]	87	92	93	98	85	83	103	105	98	110	110	112
Craft used	88	103	103	107	104	103	113	115	123	127	127	130
Vessels, 5 net tons and over	14	16	17	17	18	18	19	20	20	21	24	24
Motorboats	72	85	84	88	84	84	93	93	102	105	102	104
Other boats	2	2	2	2	2	1	1	2	1	1	1	2
Fishery shore establishments	3.7	3.6	3.6	3.6	3.3	3.4	3.6	3.6	3.6	3.9	4.0	4.0

[1] Seasonal average for processors and wholesaling plants.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1136. Fisheries—Quantity and Value of Domestic Catch: 1960 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 224–226, L 229, and L 310]

YEAR	QUANTITY (mil. lb.) [1]			Ex-vessel value (mil. dol.)	Average price per lb. (cents)	YEAR	QUANTITY (mil. lb.) [1]			Ex-vessel value (mil. dol.)	Average price per lb. (cents)
	Total	For human food	For industrial products [2]				Total	For human food	For industrial products [2]		
1960	4,942	2,498	2,444	354	7.2	1978, prel.	6,028	3,177	2,851	1,854	30.7
1965	4,777	2,587	2,190	448	9.3	1979, prel.	6,267	3,318	2,949	2,234	35.6
1970	4,917	2,537	2,380	613	12.5	1980, prel.	6,482	3,654	2,828	2,237	34.5
1972	4,806	2,435	2,371	748	15.6	1981, prel.	5,977	3,547	2,430	2,388	40.0
1973	4,858	2,398	2,460	937	19.3	1982, prel.	6,367	3,285	3,082	2,390	37.5
1974	4,967	2,496	2,471	932	18.7	1983, prel.	6,439	3,238	3,201	2,355	36.6
1975	4,877	2,465	2,412	977	20.0	1984, prel.	6,438	3,320	3,118	2,350	36.5
1976	5,388	2,775	2,613	1,349	25.0	1985, prel.	6,258	3,294	2,964	2,326	37.2
1977	5,271	2,952	2,319	1,554	29.5	1986, prel.	6,031	3,393	2,638	2,763	45.6

[1] Live weight. [2] Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

Digitized by Google

No. 1137. Fisheries—Disposition of Domestic Catch: 1970 to 1986

[Live weight catch in millions of pounds. 1978–1986 preliminary. In addition to whole fish, a large portion of waste (400–500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305–310, for similar but not entirely comparable data]

DISPOSITION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	**4,917**	**4,877**	**5,271**	**6,028**	**6,267**	**5,482**	**5,977**	**6,367**	**6,439**	**6,436**	**6,258**	**6,031**
Fresh and frozen	1,595	1,744	1,538	2,237	2,394	2,621	2,547	2,550	2,304	2,336	2,242	2,490
Canned	1,150	907	1,359	1,099	1,046	1,161	1,118	891	1,067	1,128	1,232	1,131
Cured	71	55	55	52	94	96	90	85	80	82	70	60
Reduced to meal, oil, etc	2,101	2,171	2,319	2,640	2,733	2,604	2,222	2,841	2,968	2,892	2,714	2,350

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1138. Fisheries—Domestic Catch and Ex-Vessel Value by Area: 1980 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series L 236–253, for data on quantity and ex-vessel value of catch]

AREA	CATCH (mil. lb.)						VALUE (mil. dol.)					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
United States	**6,482**	**6,367**	**6,439**	**6,436**	**6,258**	**6,031**	**2,237**	**2,390**	**2,355**	**2,350**	**2,326**	**2,763**
New England States	788	687	711	694	590	563	327	374	435	434	419	449
Middle Atlantic States	244	129	128	153	151	156	97	93	94	109	101	114
Chesapeake Bay States	717	791	841	663	815	617	130	120	130	138	124	131
South Atlantic States	473	427	397	402	311	249	148	164	173	150	156	155
Gulf States	1,979	2,300	2,443	2,644	2,412	2,368	483	614	615	656	597	781
Pacific Coast States	2,140	1,872	1,739	1,701	1,816	1,923	1,025	964	846	795	863	1,065
Great Lakes States	44	36	47	61	54	48	14	13	14	14	15	14
Hawaii	11	14	29	35	17	11	12	14	18	29	22	26
Other [1]	85	109	103	85	92	96	21	34	30	25	29	34

[1] Mississippi River and other areas.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1139. Domestic Fish and Shellfish Catch, by Species: 1981 to 1986

SPECIES	QUANTITY (1,000 lb.)			VALUE ($1,000)			1981–1985, avg. quantity (1,000 lb.)	RECORD CATCH	
	1984	1985	1986	1984	1985	1986		Year	Quantity (1,000 lb.)
Total	**6,437,783**	**6,257,642**	**6,030,634**	**2,350,462**	**2,326,237**	**2,762,823**	(X)	(NA)	(NA)
Fish, total [1]	**5,456,194**	**5,214,363**	**4,870,783**	**1,188,812**	**1,193,427**	**1,319,134**	(X)	(NA)	(NA)
Anchovies	17,796	14,566	13,436	5,831	2,704	2,523	56,917	1975	329,356
Bluefish	12,713	13,743	13,968	2,382	2,363	2,413	15,234	(NA)	(NA)
Butterfish	26,026	10,338	9,880	7,056	3,537	6,576	14,493	(NA)	(NA)
Cod: Atlantic	96,775	82,823	61,134	36,143	35,140	36,142	99,395	1880	294,351
Pacific	115,608	120,275	104,443	20,966	18,556	11,337	91,875	1985	120,275
Croaker	10,570	11,088	12,382	3,552	3,658	3,883	12,412	1945	64,668
Flounders	219,995	195,716	169,050	124,259	129,121	124,586	219,727	1983	253,526
Haddock	25,997	14,416	10,968	18,352	13,545	10,911	34,627	1929	293,809
Halibut	47,903	61,032	77,691	25,435	38,376	82,925	42,869	1986	77,691
Herring, sea: Pacific	104,742	142,074	130,764	22,159	47,025	44,598	122,658	1937	329,356
Jack mackerel	23,350	20,852	23,672	1,963	1,770	1,775	34,529	1952	146,522
Mackerel, Pacific	93,406	75,453	85,444	7,612	6,324	6,408	77,769	(NA)	(NA)
Menhaden	2,891,076	2,739,401	2,391,363	117,297	100,660	93,762	2,692,952	1983	2,962,811
Mullet	22,782	21,205	21,646	5,426	5,720	6,043	26,864	1902	43,385
Ocean perch, Atlantic	12,333	9,666	6,576	3,550	3,179	3,160	14,539	1951	258,320
Pollock, Atlantic	39,536	43,477	54,469	6,439	6,978	14,044	36,503	1986	54,469
Rockfishes	85,569	82,109	92,029	21,613	23,107	26,265	102,666	1983	99,315
Sablefish	50,031	63,380	84,868	17,526	28,992	45,878	45,757	1986	84,868
Salmon	691,409	726,946	658,521	391,462	439,795	493,937	662,702	1985	726,946
Scup or porgy	18,505	15,996	16,181	8,775	9,338	9,476	19,108	1980	49,229
Sea trout, gray	19,726	16,400	20,602	7,541	7,330	7,086	19,860	1945	41,420
Snapper, red	5,745	5,181	4,489	10,107	10,661	9,820	5,973	1902	23,457
Swordfish	12,831	12,258	9,671	37,063	33,191	30,506	11,174	(NA)	(NA)
Tuna	211,830	83,054	92,611	118,352	52,515	54,575	235,227	1976	490,567
Whiting	46,214	44,545	39,924	11,867	8,274	8,312	40,065	1957	133,041
Shellfish, total [1]	**981,589**	**1,043,279**	**1,159,871**	**1,161,650**	**1,132,810**	**1,443,689**	(X)	(NA)	(NA)
Clams	132,921	150,551	145,393	116,491	128,349	134,910	125,563	1985	150,551
Crabs	312,953	337,632	355,660	186,576	203,044	270,138	352,635	1977	412,774
Lobsters: American	43,967	46,152	46,053	114,348	114,895	120,556	42,253	1985	46,152
Oysters	48,287	44,173	40,544	80,817	70,053	78,068	49,400	1908	152,048
Scallops: Calico	39,330	12,513	1,816	21,620	12,524	3,087	17,420	1984	39,330
Sea	18,427	15,829	19,992	97,675	74,562	97,415	21,267	1961	27,481
Shrimp	301,754	333,691	400,185	488,400	472,850	662,744	304,680	1977	476,469

NA Not available. X Not applicable. [1] Includes other types of fish and shellfish, not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual.

Digitized by Google

No. 1140. Fisheries—Quantity and Value of Catch, by State, and Catch of Principal Species, by Area: 1970 to 1986

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1980–1986 preliminary. **See also** *Historical Statistics, Colonial Times to 1970*, series L 262–293]

Area, State, Catch, and Value	1970	1980	1985	1986
New England:				
Catch	531	788	590	563
Value	91	327	419	449
Maine:				
Catch	159	245	175	175
Value	31	93	101	108
New Hampshire:				
Catch	1	19	8	8
Value	1	5	5	6
Massachusetts:				
Catch	287	438	296	272
Value	47	178	232	244
Rhode Island:				
Catch	79	81	104	102
Value	11	46	70	75
Connecticut:				
Catch	5	5	7	7
Value	2	5	12	16
Catch for certain species:				
Cod	53	118	83	61
Flounder	104	118	98	81
Haddock	27	55	14	11
Herring, sea	66	184	52	79
Lobster, American	30	36	44	43
Ocean perch, Atlantic	55	24	10	7
Pollock	9	40	43	54
Whiting	40	18	31	31
Middle Atlantic:				
Catch	140	244	151	156
Value	30	97	101	114
New York:				
Catch	32	39	39	43
Value	16	45	38	45
New Jersey:				
Catch	98	201	108	108
Value	13	50	61	67
Delaware:				
Catch	10	4	5	5
Value	1	2	2	2
Catch for certain species:				
Clams (meats)	63	40	73	77
Menhaden	31	(D)	(D)	3,029
Oysters (meats)	1	3	1	368
Scup or porgy	4	8	2	6
Chesapeake Bay:				
Catch	630	717	815	617
Value	41	130	124	131
Maryland:				
Catch	80	80	92	89
Value	19	45	47	51
Virginia:				
Catch	551	637	723	528
Value	22	85	76	80
Catch for certain species:				
Alewives	21	1	1	1
Clams (meats)	23	36	47	41
Crabs	70	65	91	84
Menhaden	450	(D)	(D)	(D)
Oysters (meats)	25	21	8	11
South Atlantic:				
Catch	280	473	311	249
Value	30	148	156	155
North Carolina:				
Catch	173	356	215	169
Value	9	69	65	63
South Carolina:				
Catch	15	21	13	17
Value	4	20	14	25
Georgia:				
Catch	14	19	17	16
Value	4	20	21	25

Area, State, Catch, and Value	1970	1980	1985	1986
South Atlantic—Con.				
Florida (east coast):				
Catch	76	77	66	47
Value	12	39	57	42
Catch for certain species:				
Crabs	43	55	48	40
Menhaden	136	(D)	(D)	(D)
Shrimp	21	33	28	23
Gulf States:				
Catch	1,698	1,979	2,412	2,368
Value	167	463	597	781
Florida (west coast):				
Catch	116	115	117	119
Value	31	86	114	112
Alabama:				
Catch	30	25	30	37
Value	10	25	41	64
Mississippi:				
Catch	298	232	471	418
Value	11	25	40	46
Louisiana:				
Catch	1,107	1,412	1,693	1,677
Value	61	174	225	313
Texas:				
Catch	147	94	109	117
Value	53	153	177	246
Catch for certain species:				
Crabs	36	45	53	59
Menhaden	1,209	(D)	(D)	(D)
Mullet	27	31	17	18
Oysters (meats)	18	17	25	20
Shrimp	230	208	263	304
Great Lakes: [1]				
Catch	72	44	54	48
Value	6	14	15	14
Pacific Coast:				
Catch	1,480	2,140	1,816	1,922
Value	235	1,025	863	1,065
Washington:				
Catch	134	156	167	187
Value	30	86	93	111
Oregon:				
Catch	98	126	101	113
Value	23	56	46	82
California:				
Catch	703	804	363	386
Value	86	323	133	199
Alaska:				
Catch	545	1,054	1,185	1,236
Value	96	560	591	753
Catch for certain species:				
Anchovies	193	107	15	13
Bonito	9	14	5	1
Crabs	126	347	129	160
Flounder	46	60	68	94
Halibut	34	19	51	78
Herring, sea	22	107	142	131
Jack mackerel	48	44	21	24
Salmon	410	614	727	659
Shrimp	93	98	35	63
Tuna	378	387	64	77
Mississippi River and tributaries:				
Catch	75	85	92	96
Value	10	21	29	34
Hawaii:				
Catch	11	11	17	11
Tuna catch	9	7	11	5
Value	4	12	22	20

D Withheld to avoid disclosure. [1] Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to the Great Lakes, small amounts for Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

Digitized by Google

No. 1141. Catch and Catch Limits in the U.S. Exclusive Economic Zone (EEZ) by Country: 1982 to 1986

[**In millions of pounds live weight.** Data are preliminary. Excludes tuna. (In 1982 and 1983, U.S. domestic catch of tuna in EEZ was 23 mil. lb.; in 1984, 34 mil. lb. and in 1985 and 1986, 32 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, section 24, and source]

COUNTRY	ACTUAL CATCH					ALLOCATION				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
Total catch in EEZ	**5,385**	**5,366**	**5,923**	**6,226**	**6,616**	(x)	(x)	(x)	(x)	(x)
U.S.	2,331	2,525	2,939	3,665	5,319	(x)	(x)	(x)	(x)	(x)
Foreign	3,054	2,841	2,984	2,561	1,297	[1] 4,270	[1] 4,265	[1] 4,278	[1] 3,254	[1] 1,526
Japan	2,384	2,143	2,072	1,778	850	3,039	2,585	2,554	1,988	1,047
Soviet Union	(x)	(x)	51	23	(Z)	(x)	(x)	77	24	(x)
South Korea	536	613	606	497	215	877	716	727	552	256
Poland	(x)	(x)	153	182	171	(x)	(x)	174	197	172
Spain	34	10	9	[2] 13	6	36	30	22	20	8
Italy	32	20	25	44	9	45	32	19	16	9
West Germany	36	52	53	(x)	(x)	49	64	62	(x)	(x)
Bulgaria	16	(x)	(x)	(x)	(x)	40	1	(x)	(x)	(x)
China: Taiwan	15	(x)	(x)	(x)	(x)	47	15	(x)	(x)	(x)
East Germany	(x)	3	12	24	42	12	11	26	63	22

X Not applicable. Z Less than 500,000 pounds. [1] Includes countries not shown separately. [2] Includes Faroe Islands.

No. 1142. U.S. Catch and Value of Fish and Shellfish, by Distance Caught Off U.S. Shores—Selected Species: 1986

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catches by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint ventures)]

SPECIES	Total U.S. catch [1] (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch [1] (mil dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch						
		3 miles or less [2]	3 to 200 miles	Over 200 miles	3 miles or less [2]	3 to 200 miles	Over 200 miles		3 miles or less [2]	3 to 200 miles	Over 200 miles
Fish, total [3]	**8,219.2**	**2,876.8**	**4,803.4**	**539.2**	**35**	**58**	**7**	**1,637.2**	**46**	**42**	**12**
Cod	311.2	17.5	292.5	1.2	6	94	(Z)	61.9	5	94	1
Flounder	645.0	38.3	596.0	10.7	6	92	2	153.4	14	81	5
Halibut	77.7	29.6	48.1	(Z)	38	62	(Z)	82.9	38	62	(Z)
Herring, sea	210.1	183.9	26.2	(Z)	88	12	(Z)	48.9	97	3	(Z)
Jack mackerel	23.7	(Z)	23.7	(Z)	(Z)	100	(Z)	1.8	(Z)	100	(Z)
Menhaden	2,391.4	1,569.4	822.0	(Z)	66	44	(Z)	93.8	68	32	(Z)
Ocean perch	22.8	4.9	17.9	(Z)	21	79	(Z)	6.3	11	89	(Z)
Salmon, Pacific	658.5	641.5	17.0	(Z)	97	3	(Z)	493.9	95	5	(Z)
Tuna	555.0	.6	32.4	522.0	(Z)	6	94	217.2	(Z)	15	85
Shellfish [3]	**1,172.5**	**820.3**	**548.1**	**4.1**	**53**	**47**	(Z)	**1,452.7**	**48**	**52**	(Z)
Clams (meats)	145.4	46.9	98.5	(Z)	32	68	(Z)	134.9	67	33	(Z)
Crabs	355.7	216.8	138.8	(Z)	61	39	(Z)	270.1	38	62	(Z)
Lobsters	52.8	40.8	11.9	(Z)	77	23	(Z)	139.8	74	25	(Z)
Scallops (meats)	22.3	2.0	20.3	(Z)	9	91	(Z)	107.0	12	88	(Z)
Shrimp	400.2	199.0	201.2	(Z)	50	50	(Z)	862.7	41	59	(Z)

Z Less than 500,000 pounds or .05 percent. [1] Includes catch from international waters or off foreign shores. [2] Includes all landings in Great Lakes and other inland waters. [3] Includes other species not shown separately.

Source of tables 1141 and 1142: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual and *Fisheries of the United States*, annual.

No. 1143. Fisheries, Selected Countries—Commercial Catch: 1981 to 1985

[**In billions of pounds, live weight.** Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals]

COUNTRY	1981	1982	1983	1984	1985	COUNTRY	1981	1982	1983	1984	1985
World total [1]	**165.0**	**169.2**	**170.3**	**183.2**	**187.3**	China: Mainland [2]	9.6	10.9	11.5	13.1	14.9
						Iceland	3.2	1.7	1.8	3.4	3.7
United States	6.3	6.8	9.4	10.6	10.5	Philippines	3.7	3.9	4.4	4.3	4.1
Japan	23.7	23.9	24.8	26.5	25.2	Canada	3.1	3.1	3.0	2.8	3.1
Soviet Union	21.0	22.0	21.5	23.4	23.2	North Korea (est.)	3.3	3.4	3.5	3.6	3.7
Peru	6.0	7.8	3.5	7.4	9.2	Spain	2.8	3.0	2.9	2.9	2.9
Chile	7.5	8.1	8.8	9.9	10.6	Vietnam	1.4	1.4	1.6	1.7	1.8
Norway	5.6	5.5	6.3	5.4	4.6	Brazil	1.8	1.8	1.9	2.1	2.1
India	5.4	5.2	5.5	6.3	6.2	Mexico	3.4	2.9	2.3	2.4	2.7
South Korea	5.2	5.0	5.3	5.5	5.8	France	1.7	1.7	1.7	1.7	1.9
Denmark	4.1	4.2	4.1	4.1	3.7	South Africa	1.3	1.4	1.3	1.3	1.4
Indonesia	4.2	4.4	4.9	4.4	4.6	Poland	1.4	1.3	1.6	1.8	1.5
Thailand	4.4	4.7	5.0	4.7	4.7	United Kingdom	1.9	2.0	1.9	1.9	1.9

[1] Includes other countries not shown separately. [2] Includes data for Taiwan.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual. Data from Food and Agricultural Organization of the United Nations, Rome, Italy.

Digitized by Google

NO. 1144. FRESH AND FROZEN FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1986

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1975	1980	1983 [1]	1984 [1]	1985 [1]	1986 [1]	1975	1980	1983 [1]	1984 [1]	1985 [1]	1986 [1]
Fish fillets and steaks [2]	131.9	202.1	230.6	252.3	245.5	260.2	137.9	261.2	362.1	410.4	440.1	538.6
Cod	15.2	31.3	51.3	69.6	57.1	62.7	14.6	43.2	66.3	96.6	89.2	127.2
Flounder	41.9	48.9	80.7	79.0	69.1	80.1	53.1	67.4	137.6	158.9	157.2	166.9
Haddock	6.2	17.2	11.7	6.5	7.5	7.9	12.3	29.0	22.0	16.6	19.0	24.4
Ocean perch, Atlantic	8.4	7.1	4.3	2.6	2.4	2.8	5.7	9.3	5.7	3.2	3.3	6.4
Whiting	.1	.6	1	(*)	(*)	(*)	1	.5	1	(*)	(*)	(*)
Rockfish	5.5	14.2	17.3	18.4	16.1	16.6	3.2	12.6	22.1	23.3	25.1	23.9
Pollock, Atlantic	5.7	8.5	11.3	11.3	14.5	16.1	3.6	8.5	11.6	11.4	16.7	20.2
Other	46.9	74.3	53.9	62.7	76.6	94.0	45.3	70.5	94.7	96.4	129.6	169.6
Frozen fishery products	299.7	228.2	186.7	188.1	205.2	192.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Preliminary. [2] Fresh and frozen. [3] Included with "Other."

NO. 1145. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1986

[Data shown are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 338–357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)								VALUE (mil. dol.)							
	1975	1980	1981	1982	1983	1984	1985	1986	1975	1980	1981	1982	1983	1984	1985	1986
Total [1]	1,382	1,516	1,476	1,294	1,391	1,411	1,161	1,330	1,067	1,928	1,954	1,499	1,534	1,578	1,360	1,494
Tuna	529	602	627	539	591	614	545	637	653	1,144	1,180	918	859	872	821	882
Salmon	78	200	215	112	181	200	158	142	110	376	380	174	308	322	228	265
Clam products	76	77	88	99	102	114	117	116	42	66	72	85	86	95	109	117
Mackerel [2]	10	38	36	39	46	31	15	16	3	12	12	15	17	13	7	7
Sardines, Maine	26	20	31	18	13	15	20	16	25	32	55	28	20	25	38	28
Shrimp	12	16	10	6	7	7	4	5	28	80	60	35	41	36	19	23
Crabs	3	5	2	1	1	1	1	1	10	19	7	6	6	5	2	2
Squid	8	4	9	6	(NA)	(NA)	4	(NA)	2	1	3	3	(NA)	(NA)	1	(NA)
Oysters [3]	2	(z)	(z)	1	1	6	2	3	4	(z)	1	2	2	5	2	4

NA Not available. Z Less than 500,000 pounds or $500,000. [1] Includes other products, not shown separately. [2] Includes Jack and a small amount of Pacific mackerel. [3] Includes oyster specialties.

NO. 1146. PROCESSED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 TO 1986

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362–365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb.[1])						VALUE (mil. dol.)					
	1975	1980	1983	1984	1985	1986, prel.	1975	1980	1983	1984	1985	1986, prel.
Total	(x)	(x)	(x)	(x)	(x)	(x)	2,651	4,942	[2] 4,741	5,211	4,936	(NA)
Packaged fresh and frozen	1,113	1,403	[2] 1,345	1,697	1,662	(NA)	1,309	2,567	2,813	[2] 3,233	3,242	(NA)
Fish not breaded:												
Fillets and steaks, raw	132	203	231	245	246	260	138	262	362	395	440	539
Dressed	55	40	97	96	132	(NA)	43	58	150	183	239	(NA)
Other [3]	26	48	59	59	(NA)	(NA)	22	37	42	46	(NA)	(NA)
Fish breaded, raw or cooked:												
Sticks	91	88	87	92	96	73	62	89	116	109	111	80
Fillets, portions, and steaks	286	326	334	325	330	356	211	368	410	407	366	412
Shellfish: Not breaded	315	497	416	489	(NA)	(NA)	534	1,302	1,200	1,436	(NA)	(NA)
Breaded, raw and cooked	128	113	126	116	(NA)	(NA)	220	321	457	414	(NA)	(NA)
Specialties, fish and shellfish	80	88	42	268	(NA)	(NA)	79	130	76	231	(NA)	(NA)
Canned products [4]	1,382	1,516	1,391	1,411	1,161	1,330	1,067	1,928	1,534	1,578	1,360	1,494
Fish and shellfish	799	1,010	967	1,042	913	1,009	920	1,782	1,394	1,438	1,269	1,394
Animal food	583	506	403	369	248	321	148	146	141	140	91	100
Cured fish [5]	55	66	55	60	58	(NA)	102	175	105	165	149	153
Salted (incl. spiced, pickled) [5]	30	43	26	37	32	(NA)	44	85	30	66	60	(NA)
Smoked	24	22	26	22	25	(NA)	56	86	67	95	86	(NA)
Dried (cod) lutefisk [6]	1	1	3	2	1	(NA)	2	4	8	4	3	(NA)
Industrial products	(x)	(x)	(x)	(x)	(x)	(x)	173	272	252	234	182	175
Meal and scrap (mil. tons)	(z)	(z)	(z)	(z)	(z)	(z)	66	134	130	(NA)	84	83
Oil (body and liver)	246	313	399	373	285	337	33	58	67	61	42	44
Fish solubles (mil. tons)	(z)	(z)	(z)	(z)	(z)	(z)	9	14	16	15	19	12
Other	(x)	(x)	(x)	(x)	(x)	(x)	67	66	39	(NA)	37	36

NA Not available. X Not applicable. Z Less than 500,000 tons. [1] Except as indicated. [2] Detail will not add to total. [3] Includes bait and unbreaded portions. [4] Includes salmon eggs for bait. [5] Includes sun-dried and freeze-dried. [6] In 1975 dried cod was included in salted.

Source of tables 1144–1146: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

Digitized by Google

No. 1147. Supply of Tuna, Salmon, and Sardines: 1970 to 1986

[In millions of pounds. 1979–86 preliminary]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Tuna: Domestic landings, live weight	478	570	566	508	500	490	473	586	583	516	557
Imports, fresh and frozen, live weight	465	517	[1] 670	610	770	770	589	534	497	483	568
Canned tuna, total supply	510	582	757	674	666	698	626	713	777	759	[1] 873
Canned salmon, for U.S. consumption	168	59	116	98	126	152	71	127	151	113	87
Domestic pack	183	78	149	149	200	215	112	181	200	159	142
Exports	17	23	33	51	74	63	41	54	49	48	59
Imports	2	3	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	1	2	5
Canned sardines, total supply	66	57	75	80	71	86	66	48	59	77	69
Imports	47	31	49	50	51	55	50	35	45	57	53

Z Less than 500,000 lb. [1] Record.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1148. Fishery Products—Imports and Exports: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series L 227–235]

YEAR	IMPORTS				EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)	
1970	1,037	1,673	613	225	118	140	94	24
1975	1,637	1,913	1,367	270	305	218	267	37
1980	3,648	2,145	2,687	962	1,006	574	904	102
1983	5,129	2,387	3,627	1,502	1,021	602	908	[1] 114
1984	5,883	2,454	3,742	2,141	949	574	842	106
1985	6,679	2,754	4,064	2,614	1,084	648	1,010	73
1986, prel	[1] 7,626	[1] 2,979	[1] 4,613	[1] 2,813	[1] 1,356	[1] 735	[1] 1,290	66

[1] Record.

No. 1149. Selected Fishery Products—Imports and Exports: 1983 to 1986

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312–316, for selected imports]

PRODUCT	QUANTITY (mil. lb.)				VALUE (mil. dol.)				Rank of three major foreign sources, 1986
	1983	1984	1985	1986, prel.	1983	1984	1985	1986, prel.	
IMPORTS									
Edible [1]	2,386.8	2,454.3	2,754.0	2,978.9	3,626.7	3,742.3	4,064.3	4,813.5	(X)
Fresh or frozen [1]	2,051.5	2,057.1	2,229.0	2,423.7	3,211.9	3,281.3	3,461.6	4,150.0	(X)
Halibut [2]	6.1	8.1	12.8	11.3	11.2	13.7	22.1	25.2	Canada, Japan, Norway
Salmon [2]	14.4	21.1	27.0	40.5	33.4	56.5	75.6	100.7	Norway, Canada, Chile
Tuna	505.2	404.2	478.8	583.8	240.0	215.9	266.3	296.6	South Korea, Seychelles, Venezuela
Groundfish fillets, blocks [3]	662.6	624.0	639.8	651.0	708.0	631.1	655.3	790.6	Canada, Iceland, Denmark
Other fillets and steaks	141.5	165.7	231.0	251.4	188.0	238.3	333.7	416.1	(X)
Scallops (meats)	34.3	27.3	42.0	47.9	158.7	117.3	147.1	192.6	Canada, Japan, Peru
Lobster, American and spiny	63.8	73.4	77.4	79.3	364.0	435.7	464.9	464.9	Canada, Australia, Brazil
Shrimp and prawn	328.3	328.9	342.8	384.3	1,198.0	1,189.9	1,120.7	1,404.9	Mexico, Ecuador, China, Taiwan
Canned [1]	257.6	316.4	414.4	438.8	330.4	372.9	465.8	500.4	(X)
Anchovies, in oil	3.8	4.9	5.0	5.6	8.1	10.9	11.3	16.5	Spain, Portugal, Morocco
Salmon	3	1	1.9	4.6	1.5	.1	5.8	13.2	W. Germany, Canada, Japan
Sardines, in oil	17.2	17.5	23.0	22.9	21.2	23.4	27.0	26.5	Norway, Portugal, Canada
Sardines and herring [4]	23.7	31.5	39.8	36.0	21.5	24.8	30.3	30.4	Peru, Canada, Iceland
Tuna	122.3	162.3	213.9	236.6	137.3	167.3	209.1	226.6	Thailand, China, Taiwan, Philippines
Crab meat	6.5	6.2	7.6	8.8	20.6	20.0	21.9	24.0	Thailand, Malaysia, Venezuela
Oysters	21.6	23.0	26.9	32.1	24.8	26.2	30.2	32.3	Hong Kong, South Korea, Japan
Pickled or salted	60.9	61.1	57.1	61.4	56.1	55.5	53.4	62.2	(X)
Cod, haddock, hake, pollock, cusk	37.7	38.0	34.7	36.9	42.9	42.3	41.2	49.5	Canada, Norway, Spain
Nonedible scrap and meal	135.9	166.9	510.7	370.0	21.8	26.5	61.7	47.2	(X)
EXPORTS									
Canned salmon	54.5	49.0	48.2	59.4	97.0	86.8	83.1	101.2	(X)
Fish oil, nonedible	404.1	399.4	279.1	192.2	59.8	71.0	36.8	20.8	(X)

X Not applicable [1] Includes products not shown separately [2] Excludes fillets. [3] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. [4] Not in oil.

Source of tables 1148 and 1149: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

Digitized by Google



Section 25

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary ıeasures of production and employment, and more detailed data on production, prices, imports nd exports, consumption, and distribution for specific industries and products. Data on mining and ıineral products may also be found in sections 27 and 31 of this *Abstract;* data on mining employ- ıent may be found in section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, atural gas) and quarrying, well operation, milling, refining and processing and other preparation ıstomarily done at the mine or well site or as a part of extraction activity. (Mineral preparation ants are usually operated together with mines or quarries.) Exploration for minerals is included as the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook,* pub- hed by the Bureau of Mines, Department of the Interior, and various monthly and annual publica- ıns of the Energy Information Administration, Department of Energy. See text, section 19 for list Department of Energy publications. In addition, the Bureau of the Census conducts a census of neral industries every 5 years. Non-government sources include the *Annual Statistical Report* of ə American Iron and Steel Institute, Washington, DC; *Metals Week* and the monthly *Engineering d Mining Journal,* issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age*, issued ıekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and ıs Industry,* conducted jointly by the American Petroleum Institute, Independent Petroleum Asso- tion of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geo- ical Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications lude quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; antity of minerals stocked; crude materials treated and prepared minerals recovered; and con- nption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects l publishes data on workhours, employment, accidents, and injuries in the mineral industries, ept petroleum and natural gas. In October 1977, mineral fuel data collection activities of the eau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various rvals since 1840. Beginning with the 1967 census, legislation provides for a census to be con- ted every fifth year for years ending in "2" and "7." The censuses provide, for the various types nineral establishments, information on operating costs, capital expenditures, labor, equipment, energy requirements in relation to their value of shipments and other receipts. Commodity sta- cs on many manufactured mineral products are also collected by the Bureau at monthly, quar- r, or annual intervals and issued in its *Current Industrial Reports* series.

general, figures shown in the individual commodity tables include data for outlying areas, and therefore not agree with summary table 1154. Except for crude petroleum and refined prod- , the export and import figures include foreign trade passing through the customs districts of ed States and Puerto Rico, but exclude shipments between U.S. territories and the customs icts.

istorical statistics.—Tabular headnotes provide cross-references, where applicable, to *Histori- Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

atistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Ap- lix V.

Digitized by Google

No. 1150. Summary of Mineral Operations: 1958 to 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1–11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments [1]	Number	36,392	38,651	28,579	25,269	31,359	73,005
With 20 or more employees [1]	Number	6,045	5,499	5,682	5,312	8,632	10,272
Including all operations in manufactures [1]	Number	37,966	40,532	29,886	26,178	31,967	73,349
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,680	13,520	12,838
Employees, total	1,000	734	818	567	595	799	1,114
Production workers [2]	1,000	565	482	433	443	593	762
All other	1,000	169	134	134	152	206	352
Worker-hours, production workers [2]	Million	1,081	973	892	909	1,183	1,578
Workerhours per production workers	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mil. dol	3,749	3,743	4,187	8,226	13,187	28,637
Wages, production workers [2]	Mil. dol	2,623	2,680	2,888	4,250	9,082	18,090
Salaries, all other employees	Mil. dol	1,126	1,063	1,299	1,976	4,085	10,607
Cost of supplies, etc. [3]	Mil. dol	7,521	8,974	10,576	14,884	46,079	109,697
Value added in mining	Mil. dol	13,385	15,910	19,330	26,471	66,013	188,056
Metal mining	Mil. dol	1,180	1,418	1,557	2,382	3,504	3,215
Coal mining	Mil. dol	1,780	1,727	2,091	3,754	11,266	16,831
Oil and gas extraction	Mil. dol	9,033	11,020	13,394	17,812	48,587	159,937
Nonmetallic minerals mining	Mil. dol	1,392	1,745	2,288	2,723	4,656	6,273
Value of shipments and receipts [4]	Mil. dol	18,373	18,804	22,784	36,319	96,375	250,000
Capital expenditures	Mil. dol	2,804	3,264	4,058	5,036	17,718	47,753

[1] Data for 1982 are not comparable to prior years. [2] See footnote 5, table 1153. [3] Includes purchased machinery installed. [4] See footnote 7, table 1153.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977* and *1982*.

No. 1151. Gross National Product in Mining: 1970 to 1986

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total mining	**16.7**	**41.3**	**46.0**	**50.2**	**56.5**	**72.7**	**107.3**	**143.7**	**132.1**	**118.4**	**119.4**	**118.2**	**95.3**
Percent of total gross national product	1.8	2.6	2.8	2.5	2.5	2.9	3.9	4.7	4.2	3.5	3.2	2.9	2.3
Metal mining	1.5	1.6	2.0	1.9	2.2	3.3	3.8	3.9	2.3	2.5	2.2	2.3	2.6
Coal mining	3.0	9.1	9.2	9.8	10.2	11.4	12.9	13.8	15.1	14.3	14.8	14.4	13.6
Oil and gas extraction	12.2	27.4	31.5	34.9	39.8	53.1	84.9	120.8	110.2	98.4	96.4	95.3	73.1
Nonmetallic minerals, exc. fuels	1.9	3.2	3.3	3.8	4.4	4.8	5.8	5.2	4.5	5.1	6.2	6.2	5.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July 1987 issue.

No. 1152. Mining and Primary Metal Production Indexes: 1970 to 1986

[1977 = 100. See also *Historical Statistics, Colonial Times to 1970*, series M 66–71]

INDUSTRY GROUP	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
Mining	**98.8**	**98.8**	**96.8**	**97.4**	**103.6**	**106.4**	**112.4**	**117.5**	**109.3**	**102.9**	**111.1**	**108.8**	**99.6**
Coal	86.2	87.3	93.8	97.7	96.0	111.6	118.4	117.8	119.9	113.3	126.1	126.8	124.2
Anthracite	165.5	112.4	105.7	105.4	85.8	82.0	102.5	92.2	78.0	70.0	70.8	66.8	65.9
Bituminous	87.1	87.0	93.7	97.8	96.1	112.0	118.8	118.0	120.3	113.8	126.7	127.4	124.9
Oil and gas extraction	100.2	99.8	97.3	95.6	104.5	104.2	111.5	117.8	110.9	102.8	109.1	106.2	94.7
Crude oil and natural gas	115.9	107.8	101.9	99.4	102.8	101.8	103.2	102.3	100.1	96.8	99.9	99.5	97.4
Oil and gas drilling	48.7	72.3	82.0	82.4	117.6	119.5	164.1	214.1	178.8	139.9	165.5	147.5	77.7
Metal mining	127.3	112.1	104.8	114.0	107.3	113.4	103.8	113.2	71.4	65.2	77.0	75.0	71.8
Iron ore	162.6	153.5	144.1	143.5	146.5	154.5	125.4	134.9	66.4	66.8	92.1	87.7	70.7
Nonferrous ores	116.3	99.4	92.5	105.0	90.6	95.9	94.8	104.0	73.5	63.7	70.8	69.8	72.7
Copper ore	112.9	105.8	92.9	105.8	96.5	104.8	85.2	110.9	82.6	75.9	78.6	79.4	83.3
Lead and zinc ores	105.7	111.1	104.4	103.8	86.0	83.4	91.7	78.6	86.2	75.9	60.3	66.0	57.9
Primary metals, manufacturing	**94.8**	**110.7**	**88.2**	**98.7**	**107.0**	**108.5**	**90.4**	**95.0**	**85.8**	**73.0**	**82.3**	**90.5**	**75.8**
Nonferrous metals	82.9	103.6	81.0	93.5	106.1	109.6	96.3	99.7	81.4	86.2	99.3	99.7	99.0
Copper	126.7	109.4	95.7	107.8	106.5	114.5	86.8	106.4	77.3	80.1	90.2	92.1	92.4
Aluminum	87.8	108.0	85.5	93.4	105.8	110.7	112.7	109.1	79.8	81.4	99.3	84.9	73.8
Iron and steel	102.1	114.5	92.0	101.4	107.5	108.0	86.3	92.5	57.5	66.1	73.4	70.4	63.4

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

Digitized by Google

MINERAL INDUSTRY	1972			1977					1982								
				Establishments		All employees			Establishments [4]		All employees		Production workers [5]				
	Establishments	All employees, payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Number (1,000)	Hours [6] (millions)	Wages (mil. dol.)	Value added in mining [2] (mil. dol.)	Value of shipments and receipts [7] (mil. dol.)	Capital expenditures (mil. dol.)
All industries	25,269	6,226	26,471	31,359	6,632	799	13,167	68,013	73,005	10,272	1,114	28,637	762	1,578	18,030	188,056	250,000	47,753
Metal mining	1,014	853	2,382	1,206	328	68	1,485	3,504	1,515	328	68	1,860	47	90	1,222	3,215	5,287	1,161
Iron ores	111	218	702	97	61	19	372	1,046	78	40	12	340	7	13	201	770	1,414	63
Copper ores	181	387	1,025	133	61	33	544	1,067	81	51	22	604	16	30	429	672	1,551	423
Lead and zinc ores	101	72	200	88	41	7	105	329	71	28	4	112	3	6	71	201	318	57
Gold and silver ores	132	30	61	175	20	5	71	161	371	80	10	263	7	15	181	650	741	238
Gold ores and placers	81	20	47	126	8	3	40	78	286	59	8	188	5	10	120	479	521	205
Silver ores	51	10	14	49	12	2	32	83	85	21	3	75	2	5	61	171	220	33
Bauxite	10	4	24	12	6	(Z)	7	31	8	4	(Z)	9	(Z)	(Z)	6	15	30	5
Ferroalloy ores, except vanadium	44	40	137	56	17	6	107	256	69	16	5	150	3	6	88	146	206	110
Metal mining services	172	31	54	270	42	3	52	112	394	22	3	61	2	4	42	90	125	27
Miscellaneous metal ores	263	71	180	375	80	14	227	502	443	97	12	323	8	17	205	671	902	240
Anthracite mining	230	35	68	176	43	4	51	123	173	41	4	69	3	6	57	176	293	23
Anthracite	213	32	63	156	38	3	48	116	152	40	3	67	3	6	56	172	287	23
Anthracite mining services	17	3	5	20	5	(Z)	4	7	21	1	(Z)	2	(Z)	(Z)	2	5	7	(Z)
Bituminous coal, lignite mining	3,365	1,742	3,665	5,275	1,690	242	4,120	11,143	5,005	1,856	248	6,736	198	380	5,184	18,455	28,261	3,199
Bituminous coal and lignite	3,191	1,714	3,626	4,944	1,610	235	4,005	10,837	4,513	1,767	241	6,570	193	370	5,056	18,041	27,695	3,141
Coal mining services, n.e.c	174	29	60	331	80	7	115	306	492	89	7	166	6	11	132	414	565	58
Oil and gas extraction	14,498	2,525	17,612	18,447	3,128	348	5,902	48,587	60,511	6,814	685	17,893	434	939	10,033	159,937	207,091	42,216
Crude petroleum and natural gas	7,609	1,375	14,422	8,573	981	140	2,738	38,327	27,538	1,994	264	8,084	102	214	2,725	126,035	134,969	34,281
Natural gas liquids	680	117	1,019	692	209	13	227	3,286	793	236	14	402	12	24	323	8,865	41,010	1,131
Oil and gas field services	6,209	1,033	2,172	9,182	1,938	196	2,936	6,974	32,160	4,584	406	9,207	320	701	6,985	25,037	31,112	6,804
Drilling oil and gas wells	1,907	422	881	2,625	840	79	1,317	3,307	10,123	1,810	166	4,007	139	296	3,241	11,316	13,796	4,206
Oil and gas exploration services	715	89	212	1,252	116	18	220	545	4,228	389	42	810	33	73	622	2,307	2,960	391
Oil and gas field services, n.e.c	3,587	522	1,079	5,305	982	99	1,399	3,122	17,809	2,385	199	4,391	148	332	3,123	11,415	14,354	2,207
Nonmetallic minerals mining	6,162	1,070	2,723	6,255	1,443	117	1,609	4,656	5,801	1,233	110	2,276	80	164	1,530	6,273	9,068	1,154
Dimension stone [8]	196	13	26	209	23	2	19	39	154	22	2	21	1	2	16	50	64	3
Crushed and broken stone [9]	1,937	388	962	2,055	655	41	543	1,501	1,932	567	37	701	28	57	494	1,767	2,572	269
Sand and gravel [9]	2,929	322	778	2,807	430	31	418	1,017	2,758	343	28	520	21	42	380	1,336	1,877	211
Clay and related minerals [9]	309	78	198	255	103	10	136	358	224	97	11	212	8	16	139	510	887	107
Chemical and fertilizer minerals	204	203	583	205	112	24	372	1,433	196	114	26	661	16	35	395	2,237	3,135	519
Nonmetallic minerals, services	126	11	20	176	33	2	36	70	222	18	2	35	1	3	26	70	101	7
Miscellaneous [9]	459	55	138	548	87	7	87	238	315	72	6	109	5	10	81	283	433	37

Z Less than 500 or 500,000. [1] Gross earnings paid to all employees on payroll. [2] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. [3] Excludes proprietors and firm members of unincorporated concerns. [4] Not comparable to prior years for the crude petroleum and natural gas and mining service industries. [5] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. [6] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). [7] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. [8] Excludes data for dimension stone quarries operated in conjunction with dressing plants. [9] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977,* and *1982,* final industry series reports.

NO. 1154. MINERAL PRODUCTION AND VALUE, 1970 TO 1985.

[Data represent production as measured by mine shipments, mine sales, or marketable production]

	MINERAL	Unit	PRODUCTION QUANTITY 1970	1980	1981	1982	1983	1984	1985
1	**Total mineral production**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
2	**Mineral fuels**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
3	Coal: Bituminous and lignite	Mil. sh. ton	603	824	818	834	776	892	879
4	Pennsylvania anthracite	Mil. sh. ton	10	6	5	5	4	4	5
5	Natural gas (wet)	Tril. cu. ft	21.92	20.18	19.96	16.52	16.82	16.23	17.20
6	Petroleum (crude)	Mil. bbl. [1]	3,517	3,146	3,129	3,157	3,171	3,250	3,274
7	Uranium [2]	Mil. lb	23.1	43.7	38.5	26.9	21.2	14.9	11.3
8	**Nonmetallic minerals**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
9	Abrasive stone [3]	Sh. ton	3,055	631	2,501	1,285	1,101	1,290	1,157
10	Asbestos	1,000 sh. ton	125	88	83	70	77	63	63
11	Asphalt and related bitumens (native) [4]	1,000 sh. ton	1,981	1,252	1,261	(D)	(D)	(D)	(D)
12	Barite	1,000 sh. ton	854	2,245	2,849	1,845	754	775	726
13	Boron minerals	1,000 sh. ton	1,041	1,545	1,481	1,234	1,303	1,367	1,269
14	Bromine	Mil. lb	350	378	377	401	370	385	320
15	Calcium chloride	1,000 sh. ton	633	581	705	617	(D)	838	(D)
16	Carbon dioxide, natural (estimate)	Mil. cu. ft	1,110	1,628	1,577	2,068	–	–	–
17	Cement: Portland	Mil. sh. ton	73.2	71.6	68.2	61.1	67.2	74.4	74.3
18	Masonry	Mil. sh. ton	3.0	3.0	2.7	2.4	2.9	3.3	3.2
19	Clays	Mil. sh. ton	54.9	48.6	44.4	35.3	40.9	43.7	45.0
20	Diatomite	1,000 sh. ton	598	689	687	613	619	627	635
21	Feldspar	1,000 sh. ton	726	710	665	615	710	710	700
22	Fluorspar	1,000 sh. ton	269	93	115	77	61	72	66
23	Garnet (abrasive)	1,000 sh. ton	18.8	26.9	25.5	27.3	29.8	29.6	36.7
24	Gem stones (estimate)	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
25	Gypsum	Mil. sh. ton	9.4	12.4	11.5	10.5	12.9	14.3	14.7
26	Helium [5]	Mil. cu. ft	4,600	1,458	1,398	1,248	1,299	1,642	1,865
27	Lime	Mil. sh. ton	19.7	19.0	18.9	14.1	14.9	15.9	15.7
28	Magnesium compounds [7]	1,000 sh. ton	708	(D)	(D)	(D)	618	(D)	(D)
29	Mica: Scrap	1,000 sh. ton	119	116	133	106	140	161	136
30	Peat	1,000 sh. ton	526	788	757	789	725	814	882
31	Perlite	1,000 sh. ton	456	638	591	506	474	498	507
32	Phosphate rock	Mil. sh. ton	38.7	60.0	59.1	41.2	46.9	54.2	56.0
33	Potash [8]	1,000 sh. ton	2,729	2,444	2,103	1,967	1,668	1,607	1,396
34	Pumice	1,000 sh. ton	3,036	543	499	416	449	502	508
35	Pyrites	1,000 lg. ton	(D)	834	784	665	(D)	(D)	(D)
36	Salt (common)	Mil. sh. ton	45.9	40.4	38.9	37.9	34.6	39.2	39.5
37	Sand and gravel	Mil. sh. ton	944	793	720	621	682	803	830
38	Sodium carbonate (natural)	1,000 sh. ton	2,688	(D)	(D)	(D)	(D)	(D)	(D)
39	Sodium sulfate (natural)	1,000 sh. ton	602	583	608	(D)	423	435	389
40	Stone [9]	Mil. sh. ton	869	982	874	791	863	957	1,002
41	Sulfur: Frasch mines (shipments)	1,000 lg. ton	6,504	7,283	5,817	3,541	4,046	4,922	4,604
42	Talc, soapstone, pyrophyllite	1,000 sh. ton	1,028	1,473	1,343	1,135	1,066	1,127	1,269
43	Tripoli	1,000 sh. ton	88	121	107	113	111	124	(D)
44	Vermiculite	1,000 sh. ton	285	337	320	316	282	315	314
45	Nonmetallic minerals, undistributed [10]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
46	**Metals**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
47	Antimony ore and concentrate	Sh. ton [11]	1,130	343	646	503	838	557	(D)
48	Bauxite (dried)	1,000 lg. ton [12]	2,082	1,534	1,486	720	668	842	663
49	Copper [8]	1,000 sh. ton	1,720	1,302	1,696	1,264	1,144	1,215	1,219
50	Gold [8]	1,000 fine oz	1,743	970	1,379	1,466	2,003	2,085	2,475
51	Iron ore, usable [14]	Mil. lg. ton [15]	87.2	69.6	72.2	35.8	44.3	(D)	(D)
52	Lead [8]	1,000 sh. ton	572	607	491	565	495	356	456
53	Manganiferous ore [16]	1,000 sh. ton [15]	368	174	175	32	34	88	20
54	Mercury	76 lb. flask	27,296	30,657	27,904	25,760	25,070	19,048	16,530
55	Molybdenum [17]	Mil. lb	110	149	119	76	49	102	112
56	Nickel [18]	1,000 sh. ton	15.9	14.7	12.1	3.2	–	14.5	6.1
57	Silver [8]	Mil. fine oz	45.0	32.3	40.7	40.2	43.4	44.6	39.4
58	Titanium concentrate: Ilmenite [8]	1,000 sh. ton [15]	921	594	524	233	(D)	(D)	(D)
59	Tungsten ore and concentrate	1,000 lb. [19]	9,312	6,036	7,815	3,473	2,240	2,586	2,167
60	Vanadium [8]	Sh. ton	5,319	4,806	5,126	4,098	2,171	1,617	(D)
61	Zinc mine production [8]	1,000 sh. ton	534	350	344	334	303	279	250
62	Metals, undistributed [10]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

– Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. [1] 42 gal. bbl. [2] Recoverable content of ores, etc. [3] Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. [4] Contains bituminous limestone and sandstone, and gilsonite. [5] Value included in "Nonmetallic minerals, undistributed." [6] 1970–1981, crude and refined; 1982–1985, refined only. [7] From sea water and brines, except for metals (M_gO equiv.).

[8] K_2O equivalent; represents sales by producers. [9] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

Digitized by Google

ND PRINCIPAL PRODUCING STATES, 1985

cluding consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13–37 for selected values)

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1985	
970	1980	1981	1982	1983	1984	1985		
369.7	146,750.0	167,167.0	179,062.0	166,868.0	179,191.1	166,808.6	(x)	1
900.0	121,616.0	161,899.0	159,395.0	147,748.0	156,030.1	143,575.6	(x)	2
770.0	20,200.0	21,510.0	22,820.0	20,110.0	22,749.8	22,050.0	KY, WY, WV, PA, IL.	3
110.0	260.0	240.0	230.0	210.0	202.5	190.0	PA.	4
730.0	32,090.0	39,510.0	45,560.0	43,570.0	48,491.6	42,580.0	TX, LA, OK, NM.	5
190.0	67,930.0	99,400.0	90,030.0	83,050.0	84,100.0	78,400.0	TX, AK, LA, CA.	6
(NA)	1,136.0	1,239.0	955.0	808.0	486.0	355.8	WY, NM, TX.	7
91.2	16,213.0	16,446.0	14,150.0	15,263.0	17,157.0	17,612.0	(x)	8
.6	1.9	1.1	.6	.5	.6	.5	AR, WI, OH.	9
10.7	30.6	30.7	24.9	27.9	24.2	20.5	CA and VT.	10
8.9	25.0	27.7	(D)	(5)	(5)	(5)	TX and UT.	11
12.8	86.0	102.4	69.5	29.2	25.4	21.5	NV, GA, MO, MT.	12
36.8	366.8	435.4	384.6	439.2	456.7	404.8	CA.	13
80.6	95.4	90.2	102.6	91.0	95.0	80.0	AR and MI.	14
5.2	47.9	61.7	61.5	(5)	93.0	(5)	MI, CA, WA.	15
.2	2.6	2.8	3.4	–	–	–	(x)	16
8.7	3,813.3	3,515.8	3,084.4	3,315.7	3,810.4	3,817.3	TX, CA, PA, MI.	17
7.5	188.5	161.8	145.2	186.2	219.9	213.1		18
7.9	898.9	988.8	825.1	931.1	1,032.1	1,011.4	GA, TX, NC, WY.	19
2.6	100.8	113.0	107.6	114.3	120.9	127.0	CA, NV, WA, OR.	20
9.6	23.2	21.0	20.3	22.5	23.5	22.8	NC, CT, GA, CA.	21
3.9	12.6	18.4	13.3	10.0	(5)	(5)	IL, NV, TX.	22
1.9	1.9	2.1	2.3	2.5	2.5	3.0	ID, ME, NY.	23
2.4	6.9	7.8	7.2	7.4	7.5	7.4	(x)	24
5.1	103.1	98.1	89.1	101.4	113.7	114.2	TX, MI, IA, OK.	25
1.2	30.2	33.9	42.4	45.5	61.8	69.9	KS, TX, NM.	26
1.2	842.9	884.2	696.2	757.8	811.2	809.0	OH, KY, MD, PA.	27
1.4	(5)	(5)	(5)	182.5	(5)	(5)	MI, CA, UT, DE.	28
.5	6.3	8.2	8.4	6.5	7.1	6.3	NC, NM, SC, GA.	29
.0	16.2	18.8	16.9	16.7	19.9	21.9	MI, FL, IN, IL.	30
.9	16.5	17.5	16.0	15.7	16.6	17.2	NM, CA, AZ, NV.	31
.2	1,256.9	1,438.0	950.3	1,021.1	1,182.2	1,203.3	FL, NC, ID, TN.	32
.1	353.9	328.9	265.8	220.8	241.8	178.4	NM, UT, CA.	33
.7	4.3	4.3	3.8	4.5	4.9	4.8	OR, NM, CA, ID.	34
1)	13.8	49.2	41.9	(5)	(5)	(5)	TN, CO, AZ.	35
.6	656.2	637.6	671.4	597.1	675.1	741.6	LA, TX, NY, OH.	36
.7	2,289.0	2,260.3	1,997.8	2,270.2	2,621.2	2,812.1	CA, TX, MI, AZ.	37
.3	(5)	(5)	(5)	(5)	(5)	(5)	WY and CA.	38
.9	36.4	43.2	(5)	39.4	40.1	35.9	CA, TX, UT.	39
.9	3,393.5	3,275.4	3,056.0	3,474.8	3,910.5	4,224.7	TX, FL, PA, GA.	40
.3	720.5	715.7	434.7	414.2	546.1	573.6	TX and LA.	41
.1	25.6	31.5	20.7	20.3	23.2	29.2	MT, TX, VT, NY.	42
.5	.7	.8	.7	.7	.7	(5)	IL and OK.	43
.1	23.5	26.2	26.5	27.2	31.5	32.4	MT, SC, VA.	44
	941.2	994.1	959.3	867.5	937.9	1,007.9	(x)	45
	8,921.0	8,842.0	5,517.0	5,857.0	6,004.0	5,621.0	(x)	46
	(13)	(13)	(13)	(13)	(13)	(13)	ID.	47
	22.4	26.5	12.3	11.3	15.6	12.9	AR and AL.	48
	2,666.9	2,886.4	1,840.9	1,751.5	1,625.1	1,632.5	AZ, NM, UT, MT.	49
	594.1	633.9	551.0	849.1	751.6	786.3	NV, SD, CA, MT.	50
	2,543.5	2,914.7	1,491.7	1,938.5	(12)	(19)	MN, MI, MO, TX.	51
	515.2	358.8	288.6	214.7	181.7	174.0	MO, ID, CO, NY.	52
	2.4	2.9	.3	.2	.9	(18)	SC.	53
	11.9	11.5	(18)	(18)	(12)	(13)	NV.	54
	1,344.2	945.5	504.1	166.6	326.8	347.6	CO, AZ, ID, NM.	55
	(13)	(13)	(13)	–	(18)	(18)	OR.	56
	667.3	427.9	320.0	496.9	383.0	241.7	ID, NV, AZ, MT.	57
	32.0	37.0	19.1	(12)	(18)	(12)	FL.	58
	50.6	62.2	22.1	10.5	13.4	9.1	CA and CO.	59
	64.4	71.5	52.6	30.7	24.6	(12)	ID and AR.	60
	261.7	306.9	257.1	251.2	270.6	201.6	TN, MO, NY, NJ.	61
	144.8	156.2	157.6	135.6	2,430.4	2,214.9	(x)	62

rises value of items that cannot be disclosed. [11] Antimony content. [12] Included with "Metals, undistributed." equivalent. [14] Represents shipments, beginning 1976, includes byproduct ores. [15] Gross weight. [16] 5 to 35 anganiferous ore. [17] Content of concentrate. [18] Content of ore and concentrate. [19] Tungsten content.

U.S. Bureau of Mines, *Minerals Yearbook*. Beginning 1980 for mineral fuels, U.S. Energy Information Administration, *ergy Review*.

Digitized by Google

NO. 1155. MINERAL INDUSTRIES—STATES: 1972 TO 1982

[Represents establishments classified in the mineral industries only. Excludes data for stone, sand and gravel, clay and gypsum mines operated as parts of manufacturing establishments. See headnote, table 1153. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1972		1977		1982				
					Establishments		All employees		
	All employees (1,000)	Value added in mining (mil. dol.)	All employees (1,000)	Value added in mining (mil. dol.)	Total	With 20 employees or more	Number (1,000)	Payroll (mil. dol.)	Value added in mining (mil. dol.)
United States [1]	**595.1**	**26,471**	**796.8**	**68,013**	**73,005**	**10,272**	**1,114.0**	**28,637**	**188,056**
Region:									
Northeast	56.7	1,155	65.8	2,576	3,004	550	63.8	1,606	3,639
Midwest	97.6	2,983	117.1	6,545	12,583	1,151	135.3	3,405	14,352
South	320.3	17,117	449.3	45,061	45,577	6,591	681.1	17,105	119,231
West	120.4	5,215	163.6	13,586	11,760	1,938	228.4	6,367	48,026
New England	**3.8**	**76**	**3.8**	**99**	**336**	**55**	**4.4**	**119**	**168**
Maine	.3	8	.3	5	28	1	.1	2	5
New Hampshire	.2	6	.2	8	28	3	.3	7	17
Vermont	.8	14	.7	25	46	12	.8	15	36
Massachusetts	1.5	28	1.3	32	118	13	1.1	25	54
Rhode Island	.3	4	.1	5	20	2	.2	3	7
Connecticut	.7	18	1.2	24	96	24	1.9	66	47
Middle Atlantic	**52.9**	**1,079**	**61.8**	**2,477**	**2,868**	**495**	**59.2**	**1,467**	**3,472**
New York	7.7	154	7.1	218	598	70	7.8	205	415
New Jersey	3.3	78	3.0	93	165	40	3.4	102	120
Pennsylvania	41.9	847	51.7	2,166	1,905	385	48.0	1,160	2,937
East North Central	**60.8**	**1,592**	**75.7**	**3,762**	**5,738**	**667**	**83.1**	**2,137**	**7,675**
Ohio	20.1	465	27.6	1,181	2,196	255	28.9	708	2,325
Indiana	6.3	211	8.4	392	711	98	10.3	269	786
Illinois	20.5	546	25.8	1,163	1,682	199	31.3	845	2,544
Michigan	11.4	306	11.3	939	941	91	10.7	277	1,935
Wisconsin	2.5	64	2.6	87	208	24	1.9	38	86
West North Central	**36.8**	**1,391**	**41.4**	**2,783**	**6,845**	**484**	**52.2**	**1,268**	**6,677**
Minnesota	11.7	498	11.5	699	170	35	9.2	248	599
Iowa	2.5	53	2.9	88	216	26	2.1	38	104
Missouri	8.9	218	8.1	396	394	65	7.9	198	418
North Dakota	1.5	84	2.5	325	1,037	103	8.5	226	1,999
South Dakota	1.8	32	2.4	88	143	9	2.3	50	116
Nebraska	1.5	40	1.8	73	434	24	2.3	47	246
Kansas	8.9	466	12.2	1,134	4,451	222	19.9	461	3,196
South Atlantic	**92.4**	**2,174**	**117.6**	**5,406**	**4,039**	**1,049**	**113.9**	**2,727**	**8,987**
Delaware					34	3	.2	6	2
District of Columbia	2.2	58	2.3	79	141	30	2.6	59	167
Maryland									
Virginia	16.8	360	23.2	1,016	916	279	24.4	533	1,467
West Virginia	53.0	1,195	69.6	2,820	2,104	502	63.1	1,680	4,790
North Carolina	3.3	71	3.7	111	179	60	4.0	68	196
South Carolina	1.5	34	1.5	47	79	26	1.5	24	72
Georgia	6.6	158	7.4	294	210	73	7.6	142	430
Florida	9.0	298	9.9	1,039	376	76	10.5	216	1,860
East South Central	**51.9**	**1,428**	**77.0**	**4,187**	**4,664**	**877**	**88.7**	**2,146**	**8,385**
Kentucky	30.2	780	47.8	2,515	2,139	530	54.2	1,372	4,142
Tennessee	7.3	152	9.1	378	555	117	9.0	186	498
Alabama	8.8	264	14.1	787	596	115	15.9	375	1,980
Mississippi	5.6	232	6.0	507	1,374	115	9.6	213	1,766
West South Central	**178.0**	**13,515**	**254.7**	**35,468**	**36,874**	**4,665**	**478.7**	**12,232**	**101,859**
Arkansas	3.7	142	4.7	395	862	58	5.4	115	1,015
Louisiana	49.6	5,529	63.1	11,981	5,606	974	102.4	2,694	33,117
Oklahoma	26.9	1,133	43.5	3,418	9,144	1,065	104.1	2,667	13,274
Texas	95.6	6,711	143.4	19,674	21,262	2,568	266.8	6,756	54,453
Mountain	**95.3**	**3,367**	**119.9**	**8,668**	**8,858**	**1,315**	**158.9**	**4,289**	**21,859**
Montana	5.6	189	5.9	560	1,148	87	8.5	214	1,695
Idaho	2.8	51	3.3	144	191	30	3.1	87	200
Wyoming	11.5	879	22.7	2,282	2,101	323	34.2	940	6,859
Colorado	13.5	409	22.7	1,179	2,424	399	45.8	1,320	3,096
New Mexico	16.2	958	23.5	2,689	1,581	248	26.6	660	7,127
Arizona	21.1	625	21.0	751	291	54	16.6	427	748
Utah	11.4	372	16.7	911	788	121	17.5	467	1,665
Nevada	3.2	104	4.1	152	334	53	6.6	155	468
Pacific	**35.1**	**1,848**	**43.7**	**4,920**	**2,902**	**623**	**89.5**	**2,099**	**26,189**
Washington	1.9	46	2.0	85	242	21	2.8	67	162
Oregon	1.3	38	1.3	59	216	19	1.6	37	60
California	29.0	1,401	34.8	3,552	2,196	491	51.3	1,466	11,844
Alaska	2.6	354	5.5	1,216	236	88	13.4	525	14,093
Hawaii	.3	9	.1	8	12	4	.2	4	10

[1] Includes offshore areas not associated with a State.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1977, General Summary, MIC 77-SR-1* and *1982* final geographic area series.

Digitized by Google

No. 1156. Mineral Production—Value, 1980 to 1985, and Principal Minerals in Order of Value, 1985, by State

[In millions of dollars. Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. I, inside front cover]

Region, division, and State	1980	1982	1983	1984	1985			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S	**146,750**	**179,062**	**168,868**	**179,191**	**166,809**	**143,755**	**23,232**	Petroleum, natural gas (wet), coal.
Region:								
Northeast	4,710	4,697	4,476	5,131	5,007	3,043	1,964	(x)
Midwest	16,286	16,877	17,128	18,842	17,667	11,660	6,007	(x)
South	78,072	109,004	(D)	(D)	(D)	(D)	7,975	(x)
West	39,262	47,339	(D)	(D)	(D)	(D)	7,270	(x)
E	268	258	262	305	325	–	325	(x)
ME	37	35	26	38	41	–	41	Sand and gravel, cement, stone.
NH	25	23	19	23	33	–	33	Sand and gravel, stone, clays.
VT	43	50	42	45	50	–	50	Stone, sand and gravel, talc.
MA	91	89	96	107	117	–	117	Stone, sand and gravel, lime.
RI	6	5	8	12	12	–	12	Stone, sand and gravel, gem stones.
CT	66	56	71	80	72	–	72	Stone, sand and gravel, feldspar.
	4,442	4,441	4,214	4,826	4,662	3,043	1,639	(x)
NY	557	589	603	736	790	133	657	Stone, cement, salt.
NJ	149	132	155	156	178	–	178	Stone, sand and gravel, zinc.
PA	3,736	3,720	3,456	3,934	3,714	2,910	804	Coal, natural gas, stone.
EC	9,005	9,268	9,145	10,423	9,836	6,993	2,843	(x)
MI	2,390	2,444	2,511	2,867	2,746	2,139	607	Coal, natural gas, petroleum.
IN	1,106	1,174	1,187	1,391	1,327	1,024	303	Coal, petroleum, cement.
OH	2,770	3,009	2,929	3,212	3,101	2,641	460	Coal, petroleum, stone.
IL	2,587	2,529	2,417	2,824	2,537	1,189	1,348	Petroleum, iron ore, natural gas.
WI	152	112	101	129	125	–	125	Sand and gravel, stone, lime.
WC	7,281	7,609	7,983	8,425	7,831	4,667	3,164	(x)
MN	1,782	1,110	1,455	1,676	1,548	–	1,548	Iron ore, sand and gravel, stone.
IA	265	231	257	266	243	15	228	Stone, cement, sand and gravel.
MO	1,172	877	866	906	893	158	735	Cement, stone, lead.
ND	801	1,807	1,842	1,887	1,700	1,676	24	Petroleum, coal, natural gas.
SD	250	180	261	244	254	47	207	Gold, petroleum, cement.
NE	272	293	283	285	283	183	100	Petroleum, cement, sand and gravel.
KS	2,740	3,111	3,019	3,161	2,910	2,588	322	Petroleum, natural gas, cement.
	10,528	10,718	(D)	(D)	10,580	6,618	3,962	(x)
	2	3	3	3	4	–	4	Magnesium compounds, sand and gravel, greensand.
DE	293	294	285	356	338	80	258	Stone, cement, coal.
MD	1,708	1,640	1,405	1,614	1,649	1,268	381	Coal, stone, cement.
VA	4,860	5,490	4,677	5,157	5,005	4,900	105	Coal, natural gas, petroleum.
WV	380	299	399	451	433	–	433	Stone, phosphate, lithium.
NC	195	195	231	276	276	–	276	Cement, stone, clays.
SC	771	718	(D)	(D)	946	–	946	Clays, stone, cement.
GA	2,317	2,079	1,704	1,990	1,929	370	1,559	Phosphate, petroleum, stone.
	8,316	9,692	8,759	9,790	9,486	8,237	1,249	(x)
TX	4,498	5,029	4,310	4,991	4,880	4,612	268	Coal, petroleum, natural gas.
OK	674	638	639	734	715	243	472	Coal, stone, zinc.
LA	1,994	2,338	2,306	2,531	2,550	2,144	406	Coal, petroleum, natural gas.
AR	1,150	1,687	1,504	1,534	1,341	1,238	103	Petroleum, natural gas, sand and gravel.
	59,228	88,594	(D)	(D)	(D)	(D)	2,764	(x)
KY	787	1,089	(D)	(D)	(D)	(D)	257	Natural gas, petroleum, bromine.
TN	16,396	31,364	29,063	31,715	(D)	(D)	522	Petroleum, natural gas, sulfur.
MS	7,336	10,762	9,942	10,693	9,361	9,109	252	Natural gas, petroleum, coal.
AL	34,710	45,379	42,515	43,418	40,178	38,445	1,733	Petroleum, natural gas, cement.
	18,862	(D)	(D)	(D)	(D)	(D)	4,658	(x)
MT	1,331	1,732	1,671	1,650	1,517	1,317	200	Petroleum, coal, natural gas.
ID	522	300	415	412	348	–	348	Silver, phosphate, molybdenum.
WY	5,133	6,885	6,677	7,143	6,572	6,020	552	Petroleum, coal, natural gas.
CO	2,544	2,676	2,117	2,255	2,125	1,717	408	Petroleum, natural gas, coal.
NM	4,789	5,517	5,487	5,924	5,650	4,993	657	Natural gas, petroleum, coal.
AZ	2,476	(D)	(D)	(D)	(D)	(D)	1,550	Copper, sand and gravel, cement.
UT	1,661	2,090	2,035	2,134	1,943	1,631	312	Petroleum, coal, natural gas.
NV	408	547	629	685	710	79	631	Gold, petroleum, diatomite.
	20,400	(D)	(D)	(D)	(D)	(D)	2,812	(x)
OR	207	(D)	(D)	(D)	(D)	(D)	244	Cement, sand and gravel, gold.
WA	152	108	111	128	140	10	130	Stone, sand and gravel, cement.
CA	10,483	12,626	11,979	12,907	(D)	(D)	2,095	Petroleum, natural gas, cement.
AK	9,498	(D)	(D)	(D)	(D)	(D)	90	Petroleum, natural gas, sand and gravel.
HI	60	47	52	51	53	–	53	Stone, cement, sand and gravel.

– represents zero. D Withheld to avoid disclosing individual company data. X Not applicable.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

Digitized by Google

No. 1157. Mineral Industries—Gross Assets and Capital Expenditures: 1972 to 1982

[In millions of dollars]

Industry and year	End of year gross value of depreciable assets					Capital expenditures					
	Total [1]	Buildings and other structures	Machinery and equipment	Mineral exploration and development [1]	Mineral land and rights [1]	Total [2]	New buildings and other structures	New machinery and equipment	Used buildings and other structures	Used machinery and equipment	Mineral exploration and development [2]
Mineral industries: [3]											
1972	21,890	4,244	15,038	(4)	[4] 2,409	2,802	317	1,407	(4)	[4] 128	230
1977	44,664	8,099	33,068	2,625	2,871	6,802	785	5,068	30	399	520
1982	94,613	10,228	73,419	5,036	5,930	13,472	1,229	10,551	78	937	677
Crude petroleum, natural gas:											
1972	47,500	(NA)	(NA)	(NA)	(NA)	2,954	403	842	(4)	[4] 44	1,666
1977	94,414	(NA)	(NA)	(NA)	(NA)	10,916	571	2,269	14	93	7,969
1982	233,052	(NA)	(NA)	(NA)	(NA)	34,281	1,967	5,550	20	215	26,529

NA Not available. [1] Excludes data for mineral exploration and development, and mineral land and rights portions for mining service industries and natural gas liquids industry. [2] Excludes data for mineral exploration and development portion for mining service industries and natural gas liquids industry. [3] Excludes crude petroleum and natural gas. [4] Not collected separately. Data for mineral exploration and development are combined with mineral land and rights. Data for used buildings and other structures are combined with used machinery and equipment.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982.*

No. 1158. Mineral Industries—Employment, Hours, and Earnings: 1983 to 1986

Item	Unit	1983	1984	1985	1986
All mining:					
All employees	1,000	952	966	927	783
Production workers	1,000	673	686	658	550
Avg. weekly hours	No.	42.5	43.3	43.4	42.2
Avg. weekly earnings	Dol	479	504	520	525
Coal mining:					
All employees	1,000	194	196	187	176
Production workers	1,000	156	158	153	144
Average weekly hours	No.	40.0	40.8	41.3	40.8
Avg. weekly earnings	Dol	548	603	626	625
Oil and gas extraction:					
All employees	1,000	398	407	383	293
Production workers	1,000	398	405	387	293
Average weekly hours	No.	43.6	44.4	44.2	42.6
Avg. weekly earnings	Dol	465	476	489	494
Oil and gas extraction—Con.					
Production workers—Con.					
Metal mining:					
All employees	1,000	56	55	46	41
Production workers	1,000	41	40	34	31
Average weekly hours	No.	39.3	40.5	40.9	41.1
Avg. weekly earnings	Dol	494	529	547	543
Nonmetallic minerals, except fuels:					
All employees	1,000	104	109	110	109
Production workers	1,000	79	83	84	83
Average weekly hours	No.	43.6	44.7	44.5	44.4
Avg. weekly earnings	Dol	406	441	453	461

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909–1984,* and *Supplement to Employment and Earnings, Revised Establishment Data,* July 1987.

No. 1159. Selected Mineral Products—Average Prices: 1970 to 1986

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970,* series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

Year	Tantalum (dol. per lb.) [1]	Copper, electrolytic [2] (cents per lb.)	Platinum [3] (dol./troy oz.)	Gold (dol./fine oz.)	Silver (dol./fine oz.)	Lead [4] (cents per lb.)	Tin (New York) [5] (cents per lb.)	Zinc [6] (cents per lb.)	Sulfur, crude [7] (dol./long ton)	Bituminous coal [8] (dol./short ton)	Crude petroleum [9] (dol./bbl.)	Natural gas [10] (dol./thous. cu. ft.)
1970	9.15	58.2	133	36	1.77	15.7	174.2	15.3	22.77	8.26	3.18	17
1975	18.32	64.2	164	161	4.42	21.5	339.8	39.0	44.91	19.23	7.67	45
1978	20.31	69.6	162	125	4.35	23.1	379.8	37.1	45.72	19.43	8.19	58
1977	25.64	66.8	162	148	4.62	30.7	534.8	34.4	44.38	19.82	8.57	79
1978	34.19	66.5	237	194	5.40	33.7	629.6	31.0	[11] 45.17	21.78	9.00	91
1979	80.00	93.3	352	308	11.09	52.6	753.9	37.3	[11] 55.75	23.65	12.64	1 18
1980	103.50	101.3	439	613	20.63	42.5	846.0	37.4	[11] 89.06	24.52	21.59	1 59
1981	81.50	64.2	475	460	10.52	38.5	733.0	44.6	[11] 111.46	26.29	31.77	1 98
1982	40.91	72.8	475	378	7.95	25.5	654.0	38.5	[11] 108.27	27.14	28.52	2 46
1983	25.06	76.5	475	424	11.44	21.7	655.0	41.4	[11] 87.24	25.85	26.19	2 59
1984	30.66	66.8	475	361	8.14	25.6	623.8	48.8	[11] 94.31	25.51	25.88	2 66
1985	27.58	67.0	475	318	6.14	19.1	595.9	40.4	[11] 106.46	25.10	24.09	2 51
1986, prel	19.00	66.1	519	368	5.47	22.1	369.9	38.0	[11] 105.22	24.50	12.66	1 87

NA Not available. [1] Dollars per pound of tantalum content. [2] Domestic market. [3] Average annual producer prices. [4] 1970, New York prices; beginning 1975, nationwide delivered basis. [5] Straits tin through 1975; thereafter, composite price. [6] Prime western. Beginning 1975, delivered price. [7] F.O.B. works. [8] Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review.* [9] Per metric ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems,* 1980 edition, and *Mineral Commodity Summaries,* annual.

Digitized by Google

No. 1160. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1970 to 1985

Mineral	Unit	World production						Percent U.S. of world					
		1970	1980	1982	1983	1984	1985, prel.	1970	1980	1982	1983	1984	1985, prel.
Fuels: [1]													
Coal	Bil. sh. ton	3.3	4.2	4.4	4.4	4.6	4.8	18	20	19	18	19	18
Petroleum (crude)	Bil. bbl	16.7	21.8	19.4	19.3	19.7	19.3	21	14	16	16	16	17
Natural gas (dry, marketable)	Tril. cu. ft.	37.7	53.3	54.2	54.5	59.3	61.2	58	36	33	29	29	27
Natural gas plant liquids	Bil. bbl	(NA)	1.3	1.4	1.4	1.6	1.6	(NA)	44	41	40	37	36
Nonmetals:													
Asbestos	Mil. metric ton	3.5	4.7	4.1	4.3	4.1	4.1	3	2	2	2	1	1
Barite	Mil. sh. ton	4.3	6.3	6.3	6.0	6.4	6.7	20	27	22	13	12	11
Feldspar	Mil. sh. ton	2.8	3.5	3.7	4.1	4.2	4.3	26	20	16	17	17	16
Fluorspar	Mil. sh. ton	4.6	5.3	4.7	4.7	5.3	5.3	4	2	2	1	1	1
Gypsum	Mil. sh. ton	56.9	86.5	79.0	86.4	86.8	89.2	17	14	13	15	17	17
Mica (incl. scrap)	1,000 sh. ton	180	251	237	264	304	269	66	46	45	53	53	51
Nitrogen, agricultural [2]	Mil. sh. ton	33.4	81.4	83.6	85.4	93.0	94.3	25	20	16	13	14	14
Phosphate rock	Mil. metric ton	85	139	122	139	152	151	41	39	31	31	32	34
Potash (K_2O equiv.)	Mil. metric ton	18.2	27.9	24.7	27.4	29.3	28.6	14	8	7	5	5	5
Sulfur, elemental	Mil. metric ton	41.9	54.9	50.8	50.3	52.6	54.9	23	22	19	18	20	21
Metals, mine basis:													
Bauxite	Mil. metric ton	57.8	89.2	77.8	78.9	88.2	85.1	4	2	1	1	1	1
Columbian-tantalum concentrates (gross weight)	Mil. lb	45.1	80.7	56.3	46.9	78.8	83.9	–	(NA)	(NA)	–	–	–
Copper [3]	Mil. metric ton	6.0	7.7	8.1	7.7	8.0	8.1	26	15	14	13	14	14
Gold	Mil. troy oz	47.5	39.2	43.1	44.9	46.4	48.2	4	2	3	4	4	6
Iron ore	Mil. lg. ton	754	877	769	724	817	845	12	8	5	5	6	6
Lead [3]	Mil. metric ton	3.4	3.4	3.4	3.4	3.3	3.4	15	13	15	14	10	12
Mercury	1,000 flask [4]	284	197	198	181	195	196	10	16	13	14	10	9
Molybdenum [3]	Mil. lb	181	242	207	140	215	215	61	62	41	24	48	50
Nickel [3]	1,000 sh. ton	693	856	705	723	833	857	2	2	(Z)	–	2	1
Silver	Mil. troy oz	301	344	384	392	415	412	15	9	10	11	11	10
Titanium concentrates:													
Ilmenite	Mil. sh. ton	[5] 4.0	4.1	3.3	3.0	3.4	3.7	23	14	8	(NA)	(NA)	(NA)
Tungsten	Mil. lb	71.4	114.4	99.9	86.9	102.5	103.6	13	5	3	2	3	2
Uranium oxide (U_3O_8) [3]	1,000 sh. ton	24	(NA)	(NA)	(NA)	(NA)	(NA)	53	(NA)	(NA)	(NA)	(NA)	(NA)
Vanadium [3]	1,000 sh. ton	19.9	38.3	35.9	30.9	34.3	33.7	26	13	11	7	5	(NA)
Zinc [3]	Mil. metric ton	5.5	6.0	6.2	6.2	6.6	6.7	9	5	5	5	4	4
Metals, smelter basis:													
Aluminum	Mil. sh. ton	10.6	16.9	14.8	13.9	17.3	16.9	37	30	24	24	26	23
Cadmium	Mil. lb	36.5	40.2	36.3	36.9	42.3	41.1	26	9	6	6	9	9
Copper	Mil. metric ton	6.1	7.9	8.3	8.1	8.3	8.3	24	13	12	12	14	14
Iron, pig (incl. ferroalloys)	Mil. sh. ton	474	585	502	511	546	555	19	12	9	10	10	9
Lead	Mil. metric ton	3.3	5.4	5.3	5.3	5.5	5.6	18	23	21	19	20	20
Magnesium	1,000 sh. ton	242	348	273	286	360	361	46	49	37	40	44	42
Steel ingots and castings	Mil. sh. ton	655	787	707	730	782	788	20	14	11	12	12	11
Tin	1,000 m. ton [6]	227	249	239	212	200	194	(NA)	1	1	1	2	2
Zinc	Mil. metric ton	4.8	6.0	5.9	6.2	6.5	6.6	18	6	5	5	5	5

– Represents zero. NA Not available. Z Less than .5 percent. [1] Source: Beginning 1980, Energy Information Administration, *International Energy Annual*. [2] For fiscal years ending in year shown; see text, section 9. U.S. production includes Puerto Rico. [3] Content of ore and concentrate. [4] 76-lb. flasks. [5] Excludes Soviet Union. [6] Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1161. Federal Strategic and Critical Materials Inventory: 1980 to 1986

[As of **Dec. 31**. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale]

Mineral	Unit	Quantity [1]					Value (mil. dol.)				
		1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Tin	1,000 lg. ton	200	186	186	185	181	3,158	2,559	2,335	2,324	1,024
Silver	1,000 troy oz	139,500	137,506	136,506	136,006	130,006	2,288	1,651	996	801	730
Cobalt	Mil. lb	41	46	46	53	53	1,020	575	508	590	600
Bauxite [2]	1,000 lg. ton	14,333	15,958	16,954	17,957	18,031	583	775	779	871	888
Manganese [3]	1,000 sh. ton	3,495	4,447	4,361	4,470	4,284	540	509	506	520	522
Tungsten [4]	Mil. lb	62	92	88	87	86	533	485	505	369	260
Zinc	1,000 sh. ton	378	378	378	378	378	313	351	343	268	347
Titanium	1,000 sh. ton	21	32	32	37	37	301	353	386	405	278
Platinum	1,000 troy oz	440	453	453	453	453	209	194	147	154	270
Chromium [5]	1,000 sh. ton	763	784	784	834	883	747	728	798	836	870
Diamond:											
Stones	Carat	19,224	15,536	14,047	12,549	11,049	349	379	357	336	315
Industrial, bort	Carat	23,693	22,193	22,001	22,001	22,001	73	39	39	39	39

[1] Consists of stockpile and nonstockpile grades and reflects uncommitted balances. [2] Consists of abrasive grade, metallic grade Jamaica, metallic grade Suriname, and refractory. [3] Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med carbon, ferro-silicon, and metal. [4] Consists of carbide powder, ferro, metal powder, and ores and concentrates. [5] Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3)

Digitized by Google

No. 1162. Selected Mineral and Metal Products—Quantity and Value of Imports and Exports: 1980 to 1985

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

Product	Unit	Quantity					Value (mil. dol.)				
		1980	1982	1983	1984	1985	1980	1982	1983	1984	1985
IMPORTS											
Petroleum (crude) [1]	Mil. bbl	1,975	1,417	1,283	1,317	1,625	61,899	45,724	36,492	37,859	22,608
Gem stones: Diamonds	Mil. carat	4.2	4.6	8.3	8.2	8.2	2,251	1,918	2,275	2,905	3,007
Ores and concentrates:											
Chromium (Cr_2O_3 content)	1,000 sh. ton	410	209	86	134	176	57	30	10	15	20
Copper	1,000 sh. ton	58	130	100	12	3	73	141	82	10	2
Iron	Mil. lg. ton	25.1	14.5	13.2	17.2	15.8	773	471	448	529	452
Tungsten	Mil. lb	11.4	7.8	6.3	12.6	10.5	87	47	26	52	37
Metals:											
Aluminum	1,000 sh. ton	581	679	819	972	958	778	858	1,021	1,293	1,017
Cobalt	Mil. lb	15.0	11.6	15.9	23.3	16.6	359	138	110	203	181
Copper refined ingots, etc	1,000 sh. ton	471	285	507	490	416	935	395	701	621	492
Gold (bullion)	Mil. troy oz	4.1	4.2	3.6	6.0	8.4	2,507	1,651	1,576	2,294	2,109
Iron and steel products (maj.)	Mil. sh. ton	16.2	17.3	17.8	27.3	25.5	7,713	10,290	7,129	11,356	10,874
Platinum group [2]	Mil. troy oz	3.5	2.5	3.2	4.5	4.0	1,177	554	753	1,118	1,024
Silver (bullion)	Mil. troy oz	64.9	96.9	161.2	93.5	137.4	1,332	786	1,826	785	856
Zinc: Blocks, pigs, slabs	1,000 sh. ton	452	503	681	705	873	319	371	504	636	508
EXPORTS											
Fuels: [1]											
Bituminous coal	Mil. sh. ton	89.9	105.2	78.9	80.8	84.0	4,523	5,938	4,008	4,090	3,862
Petroleum (crude)	Mil. bbl	30.6	13.1	8.8	5.8	6.0	751	469	224	185	117
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat	1.3	2.7	2.5	2.3	2.4	1,041	639	622	575	571
Nitrogen compounds (maj.)	Mil. sh. ton	11.1	7.8	7.5	10.4	10.8	1,842	1,179	1,050	1,635	1,553
Phosphatic fertilizers [3]	Mil. sh. ton	7.2	5.4	6.6	8.2	8.3	1,383	837	895	1,350	1,225
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	715	401	398	286	383	1,107	476	534	397	442
Plates, sheets, bars, etc	1,000 sh. ton	306	194	179	219	185	718	440	389	497	411
Gold (refined bullion)	Mil. troy oz	4.7	1.6	1.9	3.5	2.9	2,787	591	825	1,285	919
Iron and steel prods. (maj.)	Mil. sh. ton	4.5	2.2	1.4	1.2	1.1	3,504	2,515	1,609	1,418	1,321
Magnesium [4]	1,000 sh. ton	56.8	39.6	46.7	48.3	40.3	128	105	125	137	114
Molybdenum [5]	1,000 lb	614	697	577	306	574	5	2	2	1	2
Silver (refined bullion)	Mil. troy oz	57.2	12.9	13.7	10.3	12.8	1,327	106	169	86	82
Scrap exports:											
Aluminum	1,000 sh. ton	445	214	262	285	413	483	158	249	278	351
Iron and steel	Mil. sh. ton	11.4	6.9	7.8	9.8	10.2	1,257	623	651	938	943

[1] Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*, FT 246, annual; and *U.S. Exports, Schedule B Commodity and Country*, FT 446, monthly. [2] Unwrought and semimanufactured. [3] Superphosphates and ammonium phosphates. [4] Metal and alloys, scrap, semimanufactured forms. [5] Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1163. Mineral Industries—Lost Workday Injuries and Fatalities: 1980 to 1985

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. Data for all years includes injuries to independent contractors at mine sites. Beginning with 1980 rates for the non-coal industries are based only on employment and hours worked by mine employees. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

Item	1980	1983	1984	1985
Coal mining:				
Injuries, total	18,822	9,615	10,370	9,141
Fatal	133	70	125	66
Percent of total	7	.7	1.2	.7
Rate per million work-hours:				
Fatal	.3	.2	.3	.2
Nonfatal	43	29	29	27
Fatalities per 1,000 employed [1]	.55	.37	.63	.36
Quarrying and related industries: [2]				
Injuries, total	3,551	2,089	2,509	2,571
Fatal	42	17	34	26
Percent of total	1.2	.8	1.4	1.0
Quarrying and related industries—Con.				
Rate per million work-hours:				
Fatal	.3	.1	.3	.3
Nonfatal	21	17	18	18
Fatalities per 1,000 employed [1]	.5	.2	.5	.4
Metal and nonmetal mining: [3]				
Injuries, total	6,923	2,734	2,653	2,234
Fatal	46	29	35	23
Percent of total	.7	1.1	1.3	1.0
Rate per million work-hours:				
Fatal	.2	.3	.2	.2
Nonfatal	28	24	18	15
Fatalities per 1,000 employed [1]	.3	.3	.5	.3

[1] Average number of persons at work each day mines were active. [2] Includes cement. [3] Nonmetal mines exclude extraction of Frasch process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

Digitized by Google

No. 1164. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1970 to 1985, and by Major Foreign Sources, 1981–1984

[1 percent. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

Mineral	1970	1980	1981	1982	1983	1984	1985	Rank of major foreign sources, 1981–1984
nbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
(sheet)	100	100	100	100	100	100	100	India, Belgium, France.
tium	100	100	100	100	100	100	100	Mexico, Spain.
anese	95	98	98	99	99	96	100	**Ore:** Gabon, South Africa, Brazil.
te [1]	68	94	94	96	96	96	97	**Bauxite:** Guinea, Jamaica, Brazil; **Alumina:** Australia, Jamaica, Suriname.
t	96	93	92	92	95	95	95	Zaire, Zambia, Canada.
lum	96	90	92	92	97	92	92	Thailand, Brazil, Malaysia.
um group	78	88	83	81	89	89	92	South Africa, United Kingdom, Soviet Union.
ium	42	65	65	65	75	74	77	Canada, Israel.
ium	89	91	90	85	76	61	73	South Africa, Zimbabwe, Yugoslavia.
	61	79	77	68	73	74	72	Thailand, Malaysia, Bolivia, Indonesia.
tos	83	78	79	74	65	75	71	Canada, South Africa.
	54	60	65	58	65	68	69	**Ore:** Canada, Mexico, Peru; **Metal:** Canada, Peru, Mexico.
l	45	44	40	55	65	69	69	Canada, Morocco, Chile.
	71	71	75	76	75	68	68	Canada, Australia, Botswana.
m [2]	24	32	50	74	(D)	(D)	(D)	Australia, Canada, South Africa.
en	50	53	50	42	52	70	68	Canada, China: Mainland, Bolivia.
	28	7	53	55	61	59	64	Canada, Mexico, Peru.
ny	40	48	47	50	54	58	(D)	**Metal:** China: Mainland, Bolivia, Mexico; **Ore:** Bolivia, Mexico, Thailand.
r	41	26	44	32	30	58	57	Spain, Algeria, Japan.
m	7	55	63	73	72	50	55	Canada, Australia, Peru.
m	11	59	45	55	39	47	54	Canada, United Kingdom, Japan.
m	21	35	34	24	26	54	(D)	South Africa, E.E.C. [3], Canada.
	39	35	37	36	40	38	38	Canada, Mexico, Spain.
	59	18	15	32	19	22	31	Canada, Uruguay, Switzerland.
m [4] [5]	22	37	34	28	26	30	29	Mexico, Canada, Venezuela.
	(*)	14	6	1	19	23	27	Chile, Canada, Peru.
l steel	4	15	15	20	16	23	22	E.E.C. [3], Japan, Canada.
	30	25	22	34	37	19	22	Canada, Venezuela, Liberia.
m	(*)	(*)	(*)	7	17	7	12	Canada, Japan, Ghana.
	(*)	14	5	4	15	16	5	Canada, Mexico.
gas [5]	4	5	4	5	5	4	5	Canada, Algeria.

thheld to avoid disclosure. [1] Includes alumina. [2] Ilmenite. [3] European Economic Community. [4] Includes crude ducts. [5] Source: Beginning 1980, Energy Information Administration, *International Energy Annual*. [6] Net exports.

: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries*; import and export data from U.S. Bureau of the

No. 1165. Petroleum Industry—Summary: 1950 to 1986

Year	Crude oil producing wells [1]		Completed wells drilled (1,000)				Crude oil production			Imports (mil. bbl.)		Operable refineries (mil. bbl.)	
	Total (Dec. 31) (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)	Crude oil	Refined petroleum products	Capacity (Jan. 1)	Output
	466	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271	2,197
	524	13.2	55	30	4	20	2,484	6.9	2.77	265	170	3,061	2,880
	591	12.0	46	22	5	16	2,575	7.4	2.88	372	293	3,593	3,195
	589	13.3	39	16	4	16	2,849	8.2	2.86	452	449	3,803	3,639
	531	18.0	26	13	4	11	3,517	11.2	3.16	483	765	4,386	4,421
	517	18.1	26	12	4	10	3,454	11.7	3.39	613	619	4,694	4,562
	508	18.4	26	11	5	11	3,455	11.7	3.39	611	924	4,865	4,767
	497	18.3	26	10	7	10	3,361	13.1	3.89	1,184	1,099	4,979	5,057
	498	17.6	33	14	7	12	3,203	22.0	6.87	1,269	962	5,242	4,927
	500	16.6	39	17	6	14	3,057	23.5	7.67	1,498	712	5,461	4,995
	499	16.3	41	16	9	14	2,976	24.4	8.19	1,935	741	5,577	5,372
	507	16.4	46	19	12	15	3,009	25.6	8.57	2,414	800	5,985	5,794
	517	17.0	50	19	14	17	3,178	28.6	9.00	2,320	733	6,222	5,828
	531	16.3	52	21	15	16	3,121	39.5	12.64	2,380	707	6,366	5,753
	548	15.9	70	32	17	20	3,146	67.9	21.59	1,926	603	6,584	5,352
	557	15.4	90	43	20	27	3,129	99.4	31.77	1,605	584	6,796	5,106
	580	14.9	84	39	19	26	3,157	90.0	28.52	1,273	593	6,530	4,888
	603	14.4	75	37	14	23	3,171	83.1	26.19	1,215	629	6,154	4,795
	621	14.3	84	42	17	25	3,250	84.1	25.68	1,254	736	5,907	5,007
	647	13.9	69	35	14	20	3,275	78.9	24.09	1,168	681	5,716	5,019
	623	13.9	38	16	6	12	3,164	40.0	12.66	1,501	712	5,643	5,301

86, estimated. [1] Represents peak year for U.S. crude oil production.

.S. Energy Information Administration, *Annual Energy Review* and *Petroleum Supply Annual*.

Digitized by Google

No. 1166. Crude Petroleum and Refined Products: 1973 to 1986

[**Barrels of 42 gallons.** See tables 924, 925 and 1008 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138–142, M 176, and M 181]

ITEM	Unit	1973	1975	1980	1981	1982	1983	1984	1985	1986
Crude petroleum:										
Domestic production	Mil. bbl	3,361	3,057	3,146	3,129	3,157	3,171	3,250	3,275	3,164
Value at wells	Bil. dol	13.1	23.4	67.9	99.4	90.0	83.0	84.1	78.9	40.1
Average price per barrel at wells	Dol	3.89	7.67	21.59	31.77	28.52	26.19	25.88	24.09	12.66
Imports	Mil. bbl	1,184	1,498	1,926	1,605	1,273	1,215	1,254	1,168	1,501
Value [1]	Mil. dol	4,231	16,374	62,014	61,940	45,862	36,809	36,529	33,034	22,720
Exports	Mil. bbl	1	2	105	83	86	60	86	75	56
Value [1]	Mil. dol	2,621	176	751	577	469	224	185	226	117
Stocks, Dec. 31	Mil. bbl	242	271	466	594	644	723	796	814	843
Proved reserves, Dec. 31 [2]	Mil. bbl	35,300	32,682	29,805	29,426	27,858	27,735	28,446	28,416	26,980
World production	Mil. bbl	20,561	19,301	21,791	20,404	19,437	19,342	19,612	19,329	20,270
U.S. proportion of world total	Percent	16	16	14	15	16	16	16	17	16
Refinery:										
Number of refineries (Jan. 1) [3]	Number	268	279	319	324	301	258	247	223	216
Operable capacity (Jan. 1) [3]	Mil. bbl	4,979	5,461	6,584	6,796	6,550	6,154	5,906	5,715	5,643
Crude oil receipts at refineries	Mil. bbl	4,546	4,546	4,934	4,563	4,331	4,283	4,448	4,322	4,718
By pipeline: Domestic	Mil. bbl	2,905	2,662	2,275	2,343	2,401	2,419	2,442	2,483	2,402
Foreign	Mil. bbl	409	398	503	346	406	421	366	414	429
By water: Domestic	Mil. bbl	399	305	842	587	619	611	673	662	681
Foreign	Mil. bbl	775	1,101	1,406	1,184	817	735	857	666	1,110
By tank cars and trucks	Mil. bbl	58	80	121	103	89	98	110	97	95
Utilization rate [4]	Percent	93.9	85.5	75.4	68.6	69.9	71.7	76.2	77.6	82.9
Refined products:										
Daily motor-gasoline consumption	Mil. bbl	6.67	6.67	6.58	6.59	6.54	6.62	6.69	6.83	7.03
Retail prices for leaded regular motor gasoline (U.S. city average)	Cents	[5] 38.6	56.7	119.1	131.1	122.2	115.7	112.9	111.5	85.7
Yield of gasoline	Percent	45.6	46.5	44.5	44.5	46.2	47.4	46.5	46.7	46.5
Imports	Mil. bbl	1,099	712	603	584	593	629	724	681	712
Value [1]	Mil. dol	3,316	6,751	11,502	13,328	13,200	15,166	19,752	16,761	11,101
Exports	Mil. bbl	84	74	94	134	211	210	196	211	226
Value [1]	Mil. dol	391	325	1,242	2,088	4,589	3,554	3,419	3,583	2,595
Stocks, Dec. 31	Mil. bbl	766	862	926	890	786	731	781	705	751

[1] Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E Commodity by Country*, FT 410, monthly, and *U.S. Imports and Imports for Consumption, Schedule A Commodity by Country*, FT 135, monthly. [2] Source: 1973–1975 American Petroleum Institute, Washington, DC, thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [3] Source: 1973–1980, U.S. Energy Information Administration, *Petroleum Refineries in the United States and U.S. Territories*, annual. [4] For 1973 through 1980, utilization rate is derived by dividing gross input to distillation units by one-half of the current year January 1 capacity and the following year January 1 capacity. Percentages were derived from unrounded numbers. For 1981 and forward, utilization is derived by averaging reported monthly utilization. [5] Average dealer's net price per gallon (incl. tax) of regular grade full service gasoline. Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, *Annual Energy Review*, and *Petroleum Supply Annual*.

No. 1167. Petroleum—Runs to Stills and Refinery Products, by Product: 1973 to 1986

[**In millions of barrels, except percent.** Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162–177]

PRODUCT	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986	PERCENT			
											1973	1980	1985	1986
Input	4,890	4,827	5,561	5,133	4,921	4,694	4,617	4,804	4,815	5,076	100.0	100.0	100.0	100.0
Crude petroleum	4,537	4,541	5,346	4,934	4,552	4,297	4,265	4,406	4,381	4,641	92.8	96.1	91.0	91.4
Natural gas liquids	297	259	186	169	191	188	168	183	186	175	6.1	3.3	3.9	3.5
Other [1]	56	27	29	30	178	209	184	213	249	260	1.1	.6	5.2	5.1
Output	5,057	4,995	5,753	5,352	5,106	4,888	4,795	5,007	5,019	5,301	100.0	100.0	100.0	100.0
Gasoline (motor)	2,382	2,379	2,495	2,376	2,336	2,313	2,313	2,362	2,343	2,464	47.4	44.6	46.7	46.5
Leaded [2]	(NA)	(NA)	1,502	1,269	1,168	1,093	1,035	941	833	765	(NA)	23.7	16.6	14.4
Unleaded [3]	(NA)	(NA)	993	1,107	1,167	1,219	1,278	1,421	1,510	1,699	(NA)	20.7	30.1	32.1
Distillate fuel oil	1,029	968	1,151	974	954	951	897	981	980	1,021	20.3	18.2	19.5	19.3
Residual fuel oil	354	451	616	576	482	390	311	326	322	324	7.0	10.8	6.4	6.1
Jet fuel	314	316	369	366	353	357	373	414	434	472	6.2	6.8	8.6	8.9
Petrochemical feedstocks	133	122	252	254	220	160	153	140	143	148	2.6	4.7	2.8	2.8
Still gas for fuel [2]	177	175	205	197	199	195	192	193	201	234	3.5	3.7	4.0	4.4
Asphalt and road oil [4]	175	149	170	144	124	120	136	141	146	150	3.5	2.8	2.9	2.8
Coke (5 bbl. = 1 sh. ton)	132	129	137	135	142	150	153	161	166	185	2.6	2.5	3.3	3.5
Liquefied refinery gases	128	109	121	119	115	99	120	133	143	152	2.5	2.2	2.8	2.9
Kerosene	79	55	67	50	44	42	40	42	34	33	1.6	.9	.7	.6
Other finished products	137	126	157	145	137	111	107	113	107	116	2.7	2.8	2.1	2.2
Processing gains	*– 165*	*– 168*	*– 192*	*– 219*	*– 185*	*– 194*	*– 178*	*– 203*	*– 203*	*– 225*	(X)	(X)	(X)	(X)

NA Not available. X Not applicable. [1] Includes unfinished oil rerun net, blending components, other hydrocarbons and alcohol. [2] 1976 through 1980 estimates based on shipments. [3] 1 barrel = 3,600 cu. ft. [4] 5.5 barrels = 1 sh. ton.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

Digitized by Google

No. 1168. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, by Type of Well: 1970 to 1984

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

Year	Wells drilled		Footage drilled (mil. ft.)	Drilling cost (mil. dol.)		Average depth per well (ft.)	Average cost per well ($1,000)		Average cost per ft. (dol.)
	Total	Offshore		Total	Offshore		Total	Offshore	
Wells, total:									
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
1980	62,011	1,272	296.0	22,800	3,846	4,773	368	3,024	77.02
1981	80,816	1,476	388.6	36,665	5,551	4,611	454	3,761	94.30
1982	78,652	1,454	362.6	39,428	6,154	4,731	514	4,203	108.73
1983	67,536	1,270	301.2	25,105	4,961	4,460	372	3,906	83.34
1984	77,210	1,421	350.6	25,206	5,024	4,541	326	3,536	71.90
Oil wells:									
1970	12,547	533	56.4	1,088	282	4,496	87	528	19.29
1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
1980	28,553	317	117.1	7,768	844	4,099	272	2,663	66.36
1981	38,725	415	162.0	13,023	1,074	4,183	336	2,589	80.40
1982	35,865	486	144.3	12,459	1,563	4,024	347	3,217	86.34
1983	33,485	459	130.6	9,504	1,499	3,907	284	3,266	72.65
1984	38,976	486	154.0	10,214	1,322	3,952	262	2,721	66.32
Gas wells:									
1970	3,844	193	23.1	616	139	6,007	161	720	26.75
1975	7,654	271	43.4	2,005	338	5,667	262	1,247	46.23
1980	15,225	444	85.6	8,167	1,446	5,636	536	3,256	95.16
1981	17,533	515	100.3	12,248	2,122	5,716	699	4,121	122.17
1982	17,052	442	100.6	14,738	2,165	5,912	864	4,898	146.20
1983	12,919	293	72.5	7,856	1,213	5,611	608	4,140	108.37
1984	14,893	372	82.6	7,339	1,353	5,516	490	3,636	88.80
Dry holes:									
1970	10,786	332	57.4	673	178	5,320	61	536	15.21
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1980	16,233	511	93.1	6,865	1,556	5,108	377	3,046	73.70
1981	24,558	546	126.6	11,395	2,354	5,154	464	4,312	90.03
1982	29,735	536	117.5	12,232	2,425	4,951	515	4,525	104.09
1983	21,132	516	97.9	7,745	2,249	4,633	367	4,341	79.10
1984	23,251	563	113.9	7,653	2,349	4,900	329	4,172	67.16

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs*, annual.

No. 1169. Federal Offshore Leasing, Exploration, Production, and Revenue: 1973 to 1986

[See source for explanation of terms and for reliability statement]

Leasing	Unit	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Tracts offered	Number	278	1,374	586	666	483	1,398	1,410	21,689	27,984	15,754	10,724
Tracts leased	Number	187	321	249	351	216	430	357	1,251	1,400	667	142
Acres offered	1,000	1,515	7,247	3,141	3,412	2,563	7,660	7,637	120,054	154,384	87,029	58,670
Acres leased	1,000	1,033	1,680	1,297	1,767	1,134	2,265	1,886	6,588	7,495	3,512	734
Bonus paid for leased tracts	Mil. dol.	3,082	1,088	1,767	5,079	4,205	6,612	3,987	5,749	4,037	1,539	187
EXPLORATION AND DEVELOPMENT												
New wells being drilled:												
Active	Number	84	97	117	175	191	173	166	134	253	195	95
Suspended	Number	249	292	486	603	739	724	701	597	313	348	279
Wells completed	Number	6,421	8,104	8,433	8,964	9,638	10,308	11,164	11,990	13,012	12,285	12,536
Wells plugged and abandoned	Number	4,599	5,617	7,133	7,576	6,057	6,704	6,913	9,374	9,903	10,487	11,911
REVENUE AND PRODUCTION												
Revenue, total [1]	Mil. dol.	3,495	1,723	2,941	6,617	6,363	9,924	7,823	9,160	6,040	5,244	2,805
Bonuses	Mil. dol.	3,083	1,088	1,767	5,079	4,205	6,612	3,987	5,749	4,037	1,539	187
Oil and gas royalties [1]	Mil. dol.	401	615	1,139	1,512	2,133	3,287	3,815	3,378	3,964	3,639	2,560
Rentals	Mil. dol.	11	20	22	20	19	22	20	32	39	66	58
Production, value [2]	Mil. dol.	2,487	3,925	7,097	9,273	13,056	20,200	22,573	21,034	24,001	22,153	15,711
Crude oil	Mil. dol.	1,480	2,208	2,628	2,874	4,784	8,844	6,929	6,935	9,623	9,590	5,765
Condensate	Mil. dol.	141	221	226	254	360	844	1,225	1,106	1,206	1,031	664
Natural gas	Mil. dol.	866	1,496	4,135	6,126	7,885	10,503	12,420	10,993	13,172	11,532	9,282
Production: [2]												
Crude oil	Mil. bbls	361	303	270	262	259	263	284	304	330	352	350
Condensate	Mil. bbls	34	27	22	23	19	27	37	36	40	37	39
Natural gas	Tril. cu. ft.	3,212	3,459	4,385	4,673	4,641	4,850	4,680	3,940	4,537	4,000	3,949

[1] Includes condensate royalties. [2] Production value is value at time of production, not current value.

Source: U.S. Dept. of the Interior, Minerals Management Service, *Federal Offshore Statistics*, September 1986.

Digitized by Google

No. 1170. Petroleum Inventories at the Beginning of Peak Seasons: 1975 to 1986

Fuel	Unit	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Petroleum, total (Sept. 30)	Mil. bbls	1,147	1,304	1,263	1,309	1,447	1,476	1,414	1,485	1,513	1,502	1,618
	Days' supply [1]	72.7	73.4	69.9	74.5	89.8	95.0	94.9	96.9	96.8	96.7	99.4
Motor gasoline (Mar. 31)	Mil. bbls	246.7	262.2	259.8	240.1	282.8	232.4	198.1	182.7	202.1	185.6	184.0
	Days' supply [1]	40.0	38.8	37.4	33.8	43.9	36.8	31.9	29.0	32.2	29.4	27.7
Distillate fuel oil (Sept. 30)	Mil. bbls	220.8	252.8	220.7	220.4	232.4	207.3	161.2	154.0	142.9	117.4	152.4
	Days' supply [1]	102.8	96.1	82.9	83.0	100.1	85.5	71.4	63.0	55.8	46.1	59.0
Residual fuel oil (Sept. 30)	Mil. bbls	76.9	87.5	81.3	87.8	87.9	80.2	61.8	49.7	46.8	43.4	44.0
	Days' supply [1]	34.4	29.9	29.0	34.6	38.0	42.2	40.7	36.8	38.8	39.9	30.8

[1] Days' supply is derived by dividing inventories by previous three month average daily consumption (products supplied).
Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1171. Liquefied Petroleum Gases—Summary: 1980 to 1986

[In millions of 42-gallon barrels. Includes ethane]

Item	1980	1984	1985	1986	Item	1980	1984	1985	1986
Production	**561**	**621**	**622**	**619**	**Consumption**	**538**	**576**	**584**	**552**
At natural gas plants	441	488	479	466	Ethane [1]	164	215	210	181
At refineries	121	133	143	152	Propane [1 2]	298	305	322	303
Imports	79	71	66	86	Butane (incl. isobutane) [2]	76	55	52	68
Refinery input	85	106	111	110					
Exports	9	18	23	15	Stocks, Dec. 31	116	101	74	103

[1] Reported consumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.
[2] Reported consumption of butane-propane mixtures have been allocated 60 percent butane and 40 percent propane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1172. Crude Petroleum and Natural Gas—Production, by State: 1980 to 1986

[See *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142 for petroleum production, and series M 147-161 for natural gas production]

State	Crude petroleum production (mil. bbl.)							Natural gas marketed production [1] (bil. cu. ft.)					
	1980	1981	1982	1983	1984	1985	1986	1980	1981	1982	1983	1984	1985	1986, prel.
Total [2]	3,147	3,129	3,157	3,171	3,241	3,274	3,168	20,180	19,960	18,520	16,822	18,230	17,198	16,809
AL	22	21	20	19	20	22	21	65	79	75	91	102	107	107
AK	592	587	619	626	630	666	681	231	243	264	277	289	321	309
AR	18	18	19	19	19	19	16	112	93	125	128	135	155	132
CA	357	385	402	405	412	424	407	310	381	384	415	476	491	469
CO	30	30	31	29	29	30	29	188	196	210	164	179	178	156
FL	43	35	26	19	14	11	9	41	32	23	21	13	11	9
IL	23	24	28	29	29	30	27	2	1	1	1	2	1	(NA)
IN	5	5	6	5	6	5	5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)
KS	60	66	71	72	76	75	67	735	640	430	435	466	513	443
KY	6	7	7	8	8	8	8	57	61	52	47	62	73	(NA)
LA	469	449	458	480	515	508	512	6,639	6,780	6,172	5,332	5,625	5,014	4,860
MI	34	33	31	32	31	27	26	158	153	153	139	145	132	127
MS	36	34	33	31	33	31	30	175	181	167	151	158	144	140
MT	30	31	31	29	30	30	27	52	57	57	52	51	52	45
NE	6	7	7	6	6	7	7	3	3	2	2	2	2	(NA)
NM	75	72	71	75	79	79	76	1,150	1,134	991	895	957	905	788
NY	1	1	1	1	1	1	1	16	16	16	18	25	32	(NA)
ND	40	45	47	51	53	51	46	42	43	54	69	70	73	80
OH	13	14	15	15	15	15	13	139	141	136	151	186	182	(NA)
OK	150	154	159	159	168	163	149	1,892	2,019	1,934	1,730	1,986	1,936	1,937
PA	3	4	4	4	4	5	4	97	122	121	118	166	150	(NA)
TX	977	945	925	903	905	889	840	7,116	6,190	6,469	5,939	6,185	6,053	6,292
UT	25	26	22	30	35	41	39	88	81	94	63	75	83	86
WV	2	3	3	4	4	4	3	157	161	151	130	144	145	139
WY	126	131	118	118	124	129	121	410	410	425	444	517	417	426

NA Not available. Z Less than 500 million cubic feet. [1] Excludes nonhydrocarbon gases.
[2] Includes other States not shown separately.

Source: U.S. Energy Information Administration, *Natural Gas Annual*, *Natural Gas Monthly*, *Petroleum Statement, annual*, and *Petroleum Supply Annual*.

Digitized by Google

No. 1173. Natural Gas—Supply, Consumption, Reserves, and Marketed Production: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1970	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Producing wells (yearend)	1,000	117	124	130	170	182	199	211	222	234	243	250
Production value at wells	Bil. dol	3.7	5.0	9.0	24.2	32.1	39.5	45.6	43.6	48.5	43.2	31.3
Avg. per 1,000 cu. ft	Dollars	.17	.22	.45	1.18	1.59	1.98	2.46	2.59	2.66	2.51	1.87
Proved reserves [1]	Tril. cu. ft	291	250	228	201	199	202	202	200	197	193	(NA)
Marketed production [2]	Tril. cu. ft	21.92	22.65	20.11	20.47	20.18	19.96	18.52	16.82	18.23	17.20	16.81
Drawn from storage	Tril. cu. ft	1.46	1.53	1.76	2.05	1.97	1.93	2.16	2.27	2.10	2.40	1.94
Imports [3]	Tril. cu. ft	.82	1.03	.95	1.25	.98	.90	.93	.92	.84	.95	.75
Consumption, total	Tril. cu. ft	21.14	22.05	19.54	20.24	19.68	19.40	18.00	16.83	17.95	17.26	16.00
Residential	Tril. cu. ft	4.84	4.88	4.92	4.97	4.75	4.55	4.63	4.38	4.56	4.43	4.40
Commercial [4]	Tril. cu. ft	2.40	2.60	2.51	2.79	2.61	2.52	2.61	2.43	2.52	2.43	2.35
Industrial	Tril. cu. ft	9.25	10.18	8.36	8.40	8.20	8.06	6.94	6.62	7.23	6.87	6.17
Lease and plant fuel	Tril. cu. ft	1.40	1.50	1.40	1.50	1.03	.93	1.11	.98	1.08	.97	.94
Other industrial	Tril. cu. ft	7.85	8.68	6.97	6.90	7.17	7.13	5.83	5.64	6.15	5.90	5.23
Electric utilities	Tril. cu. ft	3.93	3.66	3.16	3.49	3.68	3.64	3.23	2.91	3.11	3.04	2.60
Transportation [5]	Tril. cu. ft	.72	.73	.58	.60	.63	.64	.60	.49	.53	.50	.48
Extraction losses [6]	Tril. cu. ft	.91	.92	.87	.81	.78	.77	.76	.79	.84	.82	.77
Exports	Tril. cu. ft	.07	.08	.07	.06	.05	.06	.05	.05	.05	.06	.06
Additions to storage [7]	Tril. cu. ft	1.86	1.97	2.10	2.30	1.95	2.23	2.47	1.82	2.30	2.18	2.06
Unaccounted for gas [8]	Tril. cu. ft	.23	.20	.24	.37	.64	.50	.47	.64	.14	.35	.70
World production (dry)	Tril. cu. ft	37.54	43.15	44.10	51.73	53.28	54.71	54.18	54.45	58.30	(NA)	(NA)
U.S. production (dry)	Tril. cu. ft	21.01	21.73	19.24	19.66	19.40	19.18	17.76	16.03	17.39	16.38	15.97
Percent U.S. of world	Percent	56.0	50.4	43.6	38.0	36.4	35.1	32.8	29.4	29.8	(NA)	(NA)

NA Not available. [1] Estimated, end of year. Source: 1970-1975; American Gas Association, Arlington, VA. (Copyright.); thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [2] Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. [3] Includes imports of liquefied natural gas. [4] Includes deliveries to municipalities and public authorities for institutional heating and other purposes. [5] Pipeline fuel. [6] Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. [7] Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. [8] Derived by subtracting the sum of additions to storage, exports and consumption from total supply.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *International Energy Annual*, and *Monthly Energy Review*, March 1987.

No. 1174. Natural Gas Plant Liquids—Production and Value: 1970 to 1986

[**Barrels of 42 gallons.** See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	Unit	1970	1973	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total produced	**Mil. bbl**	**606**	**634**	**594**	**578**	**576**	**588**	**566**	**569**	**596**	**582**	**564**
Pentanes plus	Mil. bbl	197	182	149	125	126	122	103	85	107	103	98
Liquefied petroleum gases	Mil. bbl	400	447	444	444	441	459	459	480	488	479	466
Ethane [1]	Mil. bbl	73	108	123	146	145	145	155	168	185	180	177
Propane [1] [2]	Mil. bbl	206	214	202	182	181	190	189	197	193	190	185
Butane (incl. isobutane) [2]	Mil. bbl	121	124	119	115	115	124	114	116	111	109	104
Other finished petroleum products	Mil. bbl	9	6	2	9	8	7	4	4	1	5	2
All light products:												
Average value	Dol. per bbl	2.10	2.93	4.65	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average yield	Gal. per 1,000 cu. ft	1.37	1.35	1.42	1.47	1.63	1.65	1.68	1.80	1.79	1.84	[3] 1.82
Natural gas processed	Tril. cu. ft	19	20	18	16	15	15	14	13	14	13	[3] 13

NA Not available. [1] Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 40 percent propane. [2] Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 30 percent propane. [3] Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports*, *Petroleum Statement Annual*, *Petroleum Supply Annual*, and *Natural Gas Annual*.

Digitized by Google

No. 1175. Coal and Coke—Summary: 1970 to 1986

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1985, was 478 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-126]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986 [1]
COAL [2]											
Total production	Mil. sh. tons	613	655	781	830	824	838	782	896	879	868
Value	Mil. dol.	3,878	12,671	18,552	20,452	21,748	22,850	20,319	22,944	22,139	21,839
World production	Mil. sh. tons	3,295	3,665	4,101	4,173	4,198	4,375	4,402	4,623	[3] 4,790	(NA)
Bituminous coal and lignite: [3]											
Number of mines	Number	5,601	6,166	5,837	5,598	5,569	5,365	4,665	4,902	4,764	(NA)
Production	Mil. sh. tons	603	648	776	824	816	838	782	896	879	868
Value, total	Mil. dol.	3,773	12,472	18,359	20,196	21,514	22,850	20,319	22,944	22,139	21,839
Average per ton	Dollars	6.26	19.23	23.65	24.52	26.29	27.26	25.98	25.61	25.20	24.59
Method of mining:											
Underground	Mil. sh. tons	339	293	320	337	316	339	300	352	351	353
Surface	Mil. sh. tons	264	356	456	487	503	499	482	544	533	536
Percent of total prod	Percent	43.8	54.8	58.7	59.0	61.4	59.5	61.6	60.7	60.3	60.3
Exports	Mil. sh. tons	71	66	65	90	110	106	78	81	93	86
Value	Mil. dol.	951	3,233	3,328	4,523	5,809	5,997	4,057	4,133	4,465	3,930
Imports	1,000 sh. tons	36	940	2,059	1,194	1,043	742	1,271	1,286	1,952	2,212
Value	Mil. dol.	(Z)	22	51	30	30	30	43	45	70	80
Consumption [4]	Mil. sh. tons	516	556	677	699	729	707	737	791	818	804
Electric power utilities	Mil. sh. tons	319	404	526	568	596	594	625	664	694	685
Industrial	Mil. sh. tons	184	146	144	126	128	105	103	118	116	112
Productivity average: [5]											
Daily employment	1,000	140	190	224	225	226	217	176	178	169	(NA)
Days worked	Number	228	232	206	210	186	196	197	204	204	(NA)
Tons per worker:											
Per day	Sh./tons	18.84	14.74	15.33	16.32	18.08	18.13	20.98	22.19	23.05	(NA)
Per year	Sh./tons	4,296	3,420	3,158	3,427	3,363	3,497	4,133	4,527	4,702	(NA)
Production, by State:											
Alabama	Mil. sh. tons	20.6	22.6	23.9	26.4	24.5	26.6	23.8	27.1	27.8	23.2
Illinois	Mil. sh. tons	65.1	59.5	59.5	62.5	51.9	60.3	56.6	63.6	59.2	62.3
Indiana	Mil. sh. tons	22.3	25.1	27.5	30.9	29.3	31.8	31.6	37.6	33.3	32.5
Kentucky	Mil. sh. tons	125.3	143.6	149.8	150.1	157.6	150.2	131.2	159.5	152.9	160.2
Montana	Mil. sh. tons	3.4	22.1	32.5	29.9	33.6	27.9	28.9	33.0	33.3	32.0
Ohio	Mil. sh. tons	55.4	46.8	43.5	39.4	37.4	36.5	33.8	39.3	35.6	36.4
Pennsylvania	Mil. sh. tons	80.5	84.1	89.2	87.1	78.1	79.4	69.8	77.5	71.4	74.5
Virginia	Mil. sh. tons	35.0	35.5	37.0	41.0	42.0	39.8	35.0	40.4	40.9	42.1
West Virginia	Mil. sh. tons	144.1	109.3	112.4	121.6	112.8	128.5	115.0	131.0	127.8	129.5
Wyoming	Mil. sh. tons	7.2	23.8	71.8	94.9	103.0	103.0	112.2	130.9	140.7	135.2
Other States	Mil. sh. tons	44.0	76.0	129.2	139.8	148.2	154.1	143.8	155.9	161.3	160.3
Anthracite production	Mil. sh. tons	9.7	6.2	4.8	6.1	5.4	4.6	4.1	4.2	4.7	3.8
COKE											
Production [6]	Mil. sh. tons	66.5	57.2	52.9	46.1	42.8	28.1	25.8	30.6	28.7	25.5
Oven coke [7]	Mil. sh. tons	65.7	56.5	52.9	46.1	42.6	28.1	25.8	30.6	28.7	25.5
Value of product at plant	Mil. dol.	2,193	5,261	6,662	6,029	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Coke and breeze	Mil. dol.	1,899	4,607	5,459	4,784	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Avg. market value per ton	Dollars	28	84	98	103	113	115	114	105	104	99.8
Coal charged	Mil. sh. tons	96.5	83.6	77.4	66.7	61.0	40.9	37.0	44.0	41.1	36.0
Average value per ton	Dollars	12.47	44.21	50.70	56.26	62.86	64.97	59.30	56.57	54.30	50.83
Yield of coke from coal	Percent	69.1	68.4	68.4	69.2	70.1	68.7	69.7	69.4	69.6	70.9

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Includes bituminous coal, lignite, and anthracite. [3] All domestic product data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. Beginning 1982, includes anthracite, which accounts for approximately .5 percent of total coal production. [4] Includes some categories not shown separately. [5] Data for 1970 and 1975 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes all types of coal. [6] Includes beehive coke. [7] Prior to 1979, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production*, annual; *Coke Plant Report*, and *Quarterly Coal Report*.

No. 1176. World Coal Trade: 1974 to 1985

[In millions of short tons]

COUNTRIES	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985 [1]
Exporting countries, total [2]	209.9	212.5	210.2	224.7	222.5	254.9	276.0	287.4	291.3	284.2	327.6	364.3
United States	60.7	66.3	60.0	54.3	40.7	66.0	88.7	106.5	106.5	76.5	81.2	91.9
Australia	32.5	33.5	34.3	42.3	42.6	44.8	46.6	54.3	44.8	59.9	79.7	96.0
South Africa	2.5	3.0	6.6	14.0	17.0	25.7	29.9	32.5	29.9	32.2	40.7	49.1
Soviet Union	28.9	28.8	29.6	31.1	31.6	28.4	26.2	22.5	23.0	24.1	22.7	26.3
West Germany	19.2	16.2	14.4	16.0	21.0	17.2	13.6	13.1	11.2	11.5	12.9	10.5
Canada	11.9	12.9	13.0	13.3	15.1	15.3	16.1	17.7	16.4	17.6	26.7	29.7
Poland	44.1	42.4	42.9	43.3	44.2	45.6	34.3	16.6	30.6	39.0	47.1	39.8
China: Mainland	[3] .4	[3] .5	.4	.5	.9	1.7	4.2	4.1	5.1	6.2	7.6	8.1
Importing countries, total [2]	209.9	212.5	210.2	224.7	222.5	254.9	276.0	287.4	291.3	284.2	327.6	364.3
Western Europe/Mediterranean	79.3	80.8	80.2	85.9	94.3	107.4	126.9	129.4	126.5	117.1	132.2	146.8
Japan	70.7	68.5	67.0	67.1	57.5	64.5	75.6	86.0	86.5	81.6	94.5	101.1
Eastern Europe	35.6	35.1	35.4	36.8	38.4	40.2	34.8	30.1	37.0	41.2	39.9	42.3
Canada	13.6	16.6	16.1	16.9	14.6	19.4	17.4	16.3	17.3	16.2	20.4	16.4

[1] Preliminary. [2] Includes areas not shown separately. [3] Includes trade with Japan only.

Source: U.S. Energy Information Administration, 1973-1983, and 1985, *Annual Prospects for World Coal Trade 1987*; 1984, *Outlook for U.S. Coal Imports*.

Digitized by Google

o. 1177. Cement, Sand, Gravel, Stone, Gypsum, Lime, and Phosphate Rock: 1970 to 1985

See also *Historical Statistics, Colonial Times to 1970*, series M 188–194 and series M 203–204. Lime excludes Puerto Rico]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
ent production [1]	Mil. sh. ton	76.1	69.7	85.5	85.9	76.7	72.9	64.3	71.3	78.7	78.9
Portland	Percent	96.1	95.8	95.2	95.6	95.9	96.2	96.5	95.9	95.8	95.9
pments [2]	Mil. sh. ton	76.4	70.7	86.0	87.2	77.7	73.0	65.1	71.9	81.2	84.0
Portland	Mil. sh. ton	73.4	67.8	82.8	83.4	74.7	70.2	62.7	68.9	77.9	80.7
/alue	Mil. dol	1,366	2,220	3,623	4,061	3,780	3,666	3,199	3,440	4,020	4,142
Average per ton	Dollar	17.88	31.41	41.17	46.57	50.89	52.20	51.04	49.89	51.62	51.30
orts	Mil. sh. ton	2.5	3.6	6.6	9.4	5.2	4.0	2.9	4.3	6.8	14.5
/alue	Mil. dol	34	71	191	302	196	151	111	161	294	437
orts	1,000 sh. ton	123	417	55	149	186	300	201	118	80	98
rld production (est.)	Mil. sh. ton	630	774	940	962	977	977	973	1,010	1,045	1,071
and gravel sold [3]	Mil. sh. ton	944	789	996	979	793	720	621	682	803	830
e	Mil. dol	1,116	1,340	2,302	2,427	2,269	2,260	1,998	2,270	2,621	2,812
sold or used by roducers	Mil. sh. ton	869	901	1,051	1,101	985	874	791	863	957	1,002
e	Mil. dol	1,470	2,120	2,886	3,399	3,405	3,276	3,056	3,475	3,911	4,225
gypsum: [4]											
ve establishments [5]	Number	108	110	116	113	114	113	109	111	113	116
parent supply	Mil. sh. ton	15.5	15.1	23.1	22.3	19.7	18.9	17.1	20.8	23.1	24.6
ined	Mil. sh. ton	9.4	9.8	14.9	14.6	12.4	11.5	10.5	12.9	14.3	14.7
ports for consump- tion	Mil. sh. ton	6.1	5.4	8.3	7.8	7.4	7.6	6.7	8.0	8.9	9.9
ports	1,000 sh. ton	41	75	132	91	88	157	123	117	131	83
ed gypsum pro- ced	Mil. sh. ton	8.4	9.2	14.9	14.5	11.8	11.7	11.2	13.9	15.5	16.0
	Mil. dol	132	186	367	442	270	243	196	270	321	367
m products sold, ue [6]	Mil. dol	353	514	1,248	1,392	1,242	1,196	1,122	1,606	2,274	2,418
ng uses, value	Mil. dol	323	466	1,171	1,312	1,149	1,099	1,032	1,504	2,162	2,301
plants	Number	194	171	155	154	153	150	147	139	129	115
ity sold	1,000 sh. ton	19,747	19,133	20,443	20,945	19,010	18,856	14,075	14,867	15,922	15,690
ue	Mil. dol	286	524	750	862	843	884	696	758	1,109	1,109
er ton	Dollars	14.49	27.38	36.67	41.18	44.34	46.89	49.46	50.96	50.95	51.70
ate rock:											
production	Mil. ton	125.5	187.5	191.2	204.8	231.4	202.5	114.8	138.8	179.7	193.2
$_2$ content	Mil. ton	18.6	23.5	23.5	25.4	26.2	26.2	14.8	19.4	23.2	25.2
table production	Mil. ton	38.7	48.8	55.2	56.9	60.0	59.1	41.2	46.9	54.2	56.0
$_2$ content	Mil. ton	12.0	15.0	16.9	17.5	18.4	18.0	12.7	14.4	16.4	17.3
ne	Mil. dol	203	1,122	929	1,166	1,257	1,438	950	1,013	1,214	1,236
er ton	Dollars	5.25	22.99	16.84	18.38	20.95	24.33	23.04	21.75	21.80	22.05
s [7]	Mil. sh. ton	.14	.04	1.00	.98	.54	.01	.03	.01	.01	.04
e	Mil. dol	3.8	1.6	24.4	21.6	12.9	.4	1.3	.4	.3	1.7
er ton	Dollars	27.87	43.83	24.38	22.04	23.99	30.00	38.29	37.90	27.62	46.61
s	Mil. sh. ton	11.7	12.3	14.2	15.6	15.7	11.5	10.8	13.2	12.7	10.1
content	Mil. sh. ton	3.8	4.0	4.5	5.1	5.0	3.8	3.5	4.2	4.0	3.2
e	Mil. dol	50.0	429.2	297.4	356.5	431.4	373.2	293.6	327.3	324.8	263.6
r ton	Dollars	5.11	34.98	20.94	22.56	27.41	32.57	27.06	24.73	25.56	26.18
nption, apparent [8]	Mil. sh. ton	27.2	34.2	40.6	43.6	45.0	38.7	31.7	38.4	46.0	41.4
d production	Mil. sh. ton	93.6	116.6	137.8	145.3	158.9	157.7	140.4	153.5	165.5	161.7

les Puerto Rico; excludes Alaska except for imports and exports. [2] Includes natural, slag, and hydraulic lime plants, wn separately, except 1970 excludes slag cement. [3] Represents sand stone and gravel used by . [4] Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. [5] Each nt, or combination mine and plant is counted as one establishment. [6] Made from domestic, imported, and byproduct [7] For consumption; P_2O_5 content not available. [8] Amount sold or used plus imports minus exports.

U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1178. Potash—Summary: 1970 to 1985

thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201–202]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
of potassium salts (marketable)	4,853	4,576	4,769	4,708	4,756	4,578	3,710	3,053	3,350	2,831
ate equivalent K_2O	2,729	2,501	2,483	2,453	2,468	2,377	1,966	1,575	1,724	1,428
mil. dol.)	98.1	223.1	226.5	279.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
otassium salts by producers	4,703	3,819	4,804	5,014	4,701	4,045	3,734	3,252	3,510	2,761
ate equivalent K_2O	2,729	2,094	2,543	2,632	2,444	2,103	1,967	1,668	1,807	1,395
plant (mil. dol.)	92.4	187.9	226.5	279.2	353.9	328.9	265.6	220.8	241.8	178.4
l (dollars)	19.64	49.19	47.15	55.68	75.28	81.31	71.13	67.90	68.89	78.48
consumption of potash materials	4,403	6,271	8,556	9,375	9,031	8,712	6,986	8,071	8,761	8,343
ate equivalent K_2O	2,605	3,797	5,169	5,693	5,481	5,287	4,253	4,894	5,323	5,081
l. dol.)	94.7	267.2	399.2	520.8	648.0	750.4	575.4	600.6	658.1	499.1
otash materials	966	1,419	1,577	1,233	1,746	978	1,049	622	922	1,072
ate equivalent K_2O	544	779	892	700	926	541	572	331	492	565
l. dol.)	28.5	92.7	88.6	79.5	179.8	107.9	93.2	55.8	85.7	(NA)
nsumption of potassium salts [1]	8,140	8,671	11,782	13,156	11,987	11,779	9,671	10,701	11,349	10,032
ate equivalent K_2O	4,730	5,112	8,840	7,626	6,999	6,849	5,647	6,231	6,636	5,891
uction (marketable), approximate K_2O	20,013	27,269	28,795	28,404	30,707	29,849	27,187	30,232	31,568	31,537

available. [1] Derived from reported value of amount sold or used. [2] Amount sold or used plus imports minus

S. Bureau of Mines, *Minerals Yearbook*.

Digitized by Google

NO. 1179. IRON ORE—SUMMARY: 1970 TO 1985

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Number of mines	74	67	54	51	49	37	32	27	20	20	20
Production [1]	**89.8**	**78.9**	**55.8**	**61.8**	**65.7**	**59.6**	**73.2**	**35.4**	**37.6**	**51.3**	**48.8**
Lake Superior	69.6	66.7	44.0	72.7	77.2	62.3	67.5	31.0	35.6	49.7	47.4
Northeastern	3.5	1.9	2.0	8.9	8.6	7.3	5.7	4.4	2.0	1.6	1.4
Western	14.3	9.6	9.8								
Hematite [2]	33.6	19.2	11.5	15.9	13.9	11.6	10.6	6.7	5.4	(NA)	(NA)
Magnetite [2]	53.6	58.4	43.1	64.8	71.0	57.8	62.6	28.7	32.2	(NA)	(NA)
Other	2.4	1.2	1.1	.8	.8	–	–	–	–	(NA)	(NA)
Shipments [3]	87.2	75.7	54.1	83.2	86.2	69.6	72.2	35.6	44.6	50.8	49.4
Value [3] (mil. dol.)	942	1,621	1,423	2,401	2,814	2,544	2,915	1,492	1,945	2,248	2,077
Average price per ton at mine (dol.)	10.80	21.41	26.32	28.86	32.64	36.56	40.39	41.72	43.61	44.17	42.03
Stocks, Dec. 31 (at mines)	15.3	12.3	14.8	12.4	11.3	11.7	12.7	12.1	4.1	5.3	6.0
Price (Lake Superior ores) Dec. 31:											
Natural ores, basis 51.5% Fe (dol./lg. ton)	10.80	18.50	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03	(NA)
Imports for consumption [4]	44.9	46.7	37.9	33.6	33.8	25.1	28.3	14.5	13.2	17.2	15.8
Canada	23.9	19.1	25.3	19.2	22.6	17.3	18.8	9.3	8.8	11.2	8.6
Venezuela	13.0	13.1	6.2	6.1	4.6	3.6	5.1	1.6	1.3	1.5	2.1
Brazil	2.0	7.5	2.2	4.0	3.1	2.0	1.7	1.0	1.3	2.5	2.5
Value (mil. dol.)	480	860	957	845	923	773	948	471	446	529	452
Exports	5.5	2.5	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0	5.0
Value (mil. dol.)	68	60	63	137	179	231	245	151	183	239	241
World production (est.)	754	932	828	833	889	877	845	768	726	817	845

– Represents zero. NA Not available. [1] Includes Southeastern district and byproduct ore, not shown separately. [2] Predominant mineral. [3] Beginning 1976, includes byproduct ore. [4] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1180. GOLD AND SILVER—SUMMARY: 1970 TO 1986

[See *Historical Statistics, Colonial Times to 1970*, series M 268-269, for mine production]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986, prel
GOLD										
Ore produced [1]	1,000 sh. ton	3,687	5,722	9,893	12,729	17,916	24,142	30,497	35,909	60,699
Production, U.S.	1,000 fine oz	1,743	1,052	970	1,379	1,466	2,003	2,085	2,427	3,733
Value	Mil. dol	63	170	594	634	551	849	752	771	1,375
World production	1,000 fine oz	47,522	38,476	39,179	41,250	43,105	44,996	46,475	48,673	50,937
Industrial consumption U.S., net	1,000 fine oz	5,973	3,993	3,215	3,276	3,423	3,101	3,164	2,999	2,976
Imports [2]	Mil. dol	237	457	2,750	2,157	1,894	1,977	2,947	2,696	5,894
Canada	Mil. dol	152	182	1,234	1,314	1,124	987	1,554	1,555	2,444
Soviet Union	Mil. dol	–	1	88	22	4	–	–	–	155
South Africa	Mil. dol	(Z)	6	33	188	38	16	6	–	79
Exports	Mil. dol	38	493	3,648	3,072	1,089	1,326	1,813	1,254	1,720
Price per fine oz. [3]	Dollars	36.4	161.5	612.6	459.6	375.9	424.0	360.7	317.7	368.2
Production:										
Nevada	1,000 fine oz	480	333	278	525	757	961	1,021	1,276	2,099
South Dakota	1,000 fine oz	579	305	268	278	185	310	311	356	(D)
Utah	1,000 fine oz	408	190	180	228	175	238	(D)	135	(D)
SILVER										
Ore produced [1] [4]	1,000 sh. ton	934	919	2,936	5,579	6,636	6,658	9,392	5,347	6,425
Production, U.S.	1,000 fine oz	45,006	34,938	32,329	40,683	40,248	43,431	44,592	39,433	34,220
Value	Mil. dol	80	154	667	428	320	497	363	242	187
World production	1,000 fine oz	300,991	303,112	342,804	361,617	371,159	386,533	412,069	421,041	419,781
Industrial consumption U.S., net [5]	1,000 fine oz	128,404	157,650	124,694	116,870	116,840	116,464	114,841	118,555	118,940
Imports [2]	Mil. dol	104	394	1,606	1,028	927	2,124	963	952	798
Canada	Mil. dol	64	150	660	375	303	420	301	288	261
Mexico	Mil. dol	9	96	282	228	205	340	336	251	257
Peru	Mil. dol	19	76	354	273	143	269	197	76	57
Exports	Mil. dol	49	146	1,910	332	209	377	206	161	143
Price per fine oz. [3] [5]	Dollars	1.77	4.42	20.63	10.52	7.95	11.44	8.14	6.14	5.47
Production: [4]										
Idaho	Mil. fine oz	19.1	13.9	13.7	16.5	14.6	17.7	18.9	18.8	11.2
Arizona	Mil. fine oz	7.3	6.3	6.3	8.1	6.3	4.5	4.2	4.9	4.2
Utah	Mil. fine oz	6.0	2.8	2.2	2.9	4.3	4.6	(D)	(D)	(D)
Colorado	Mil. fine oz	2.9	3.4	3.0	3.0	1.9	2.1	2.2	5	6

– Represents zero. D Withheld to avoid disclosure. Z Less than $500,000. [1] Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver. [2] General imports, 1970 and 1975; thereafter, imports for consumption. [3] Selling price. [4] Includes gold-silver ore. [5] Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

Digitized by Google

No. 1181. LEAD—SUMMARY: 1970 TO 1986

housands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242–248]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
ilter production of refined primary lead	667	636	623	634	604	548	565	567	436	537	404
omestic ores and base bullion [1]	528	530	553	584	560	485	507	506	364	459	379
oreign ores and base bullion	139	106	70	50	43	61	58	61	72	79	24
overy of secondary lead	597	658	848	883	745	707	630	555	698	679	678
orts, general:											
ead in pigs and bars	244	101	244	211	90	112	101	144	178	147	155
ead in ores and matte	112	68	58	44	49	65	39	52	76	47	96
orts of refined pig lead [2]	8	21	9	12	181	26	56	19	5	28	12
umption of metal, primary and secondary	1,361	1,297	1,579	1,497	1,180	1,287	1,185	1,266	1,331	1,266	1,240
age price, common lead:											
w York (cents per lb.)	15.69	21.53	33.65	52.64	42.46	36.53	25.54	21.68	25.55	19.07	22.05
ndon (cents per lb.)	13.76	18.73	29.86	54.52	41.21	33.30	24.66	19.27	20.12	17.84	18.43
production of recoverable lead [3]	572	621	584	579	607	491	565	495	356	456	375
ue [3] (mil. dol.)	179	267	394	610	515	359	289	215	182	174	165
l smelter production, primary (est.)	3,628	3,633	3,466	3,611	3,506	3,439	3,539	3,579	3,494	3,736	3,540
l smelter capacity	(NA)	(NA)	5,230	5,241	(NA)	(NA)	(NA)	5,027	5,027	(NA)	(NA)

Not available. [1] Excludes lead content of antimonial lead. [2] Pigs, bars, and anodes. [3] Includes Alaska.
rce: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1182. COPPER—SUMMARY: 1970 TO 1986

housands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235–241]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel.
rimary) copper produced:										
s (from domestic ores)	1,720	1,413	1,595	1,302	1,696	1,264	1,144	1,215	1,219	1,265
pper ore produced [1] (mil. sh. tons)	258	263	306	244	306	201	196	189	179	186
verage yield of copper (percent)	.59	.47	.47	.48	.51	.55	.51	.58	.62	.62
ters (from domestic ores)	1,605	1,374	1,448	1,096	1,427	1,037	979	1,091	1,035	[2] 1,001
rcent of world total	.24	.17	.16	.13	.16	.12	.11	.12	.11	.11
eries (from domestic ores)	1,521	1,286	1,557	1,241	1,577	1,158	1,134	1,201	1,106	1,183
foreign ores, matte, etc., refinery	244	157	114	98	125	194	169	83	59	(D)
new refined, domestic and foreign	1,765	1,443	1,671	1,339	1,702	1,352	1,303	1,284	1,165	1,183
ary copper produced	1,248	972	1,711	1,584	1,563	1,309	1,194	1,234	1,256	1,252
vered from old scrap only	504	369	666	676	659	571	495	508	555	528
(unmanufactured) [3]	392	324	310	603	474	558	636	573	464	627
ld	132	147	225	471	364	285	507	490	416	553
of refined metallic copper	221	172	81	16	27	34	90	101	42	14
producers), Dec. 31	470	519	374	354	472	552	362	390	(NA)	(NA)
duction of recoverable copper	1,720	1,413	1,595	1,302	1,696	1,264	1,144	1,215	1,219	1,265
a	918	813	1,043	849	1,147	848	748	823	678	870
na	120	88	77	42	69	72	37	(D)	17	(D)
lexico	166	146	181	165	170	(D)	(D)	(D)	(D)	(D)
	296	177	213	174	233	208	187	(D)	(D)	(D)
States	220	189	77	72	77	136	173	393	324	395
e, domestic production (cents per lb.)	58.2	64.2	93.3	102.4	85.1	74.3	79.3	68.2	67.0	66.1
elter production	6,752	6,069	8,833	8,432	8,820	6,764	8,967	9,264	9,462	9,428
elter capacity	(NA)	(NA)	11,180	(NA)	(NA)	(NA)	12,692	12,895	(NA)	(NA)

hheld to avoid disclosure of individual company data. NA Not available. [1] Includes old tailings, smelted or Not comparable with mine production figures which include recoverable copper content of ores not classified as [2] Includes production from foreign ores. [3] Includes copper imported for immediate consumption plus material country under bond. Beginning 1979, includes imports for consumption. Comprises copper in ores and concentrates, ined, blister, and scrap.

No. 1183. COBALT—SUMMARY: 1970 TO 1986

[In millions of pounds of contained cobalt, except price]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
: Mine	.7	–	–	–	–	–	–	–	–	–	–	–
ry (scrap) [1]	.1	.3	.5	1.0	1.2	1.2	1.0	.9	1.7	.9	.9	2.6
	12.4	6.8	17.5	19.0	20.0	16.3	15.8	12.9	17.2	25.3	17.7	12.3
	(NA)	2.2	7.5	7.9	8.8	6.2	4.2	5.0	7.7	11.8	4.8	.7
	(NA)	–	2.4	2.1	3.5	2.2	1.5	1.2	2.3	3.8	4.3	3.5
	(NA)	1.1	1.3	.9	1.2	1.1	1.2	.8	1.0	1.0	1.0	.6
	1.5	1.6	.9	1.5	.7	.8	.8	.8	.8	.7	.6	1.0
on	13.4	12.8	16.6	20.0	17.4	15.3	11.7	9.5	11.3	12.9	13.5	14.4
	81.0	49.5	44.5	45.2	44.2	43.3	42.2	45.1	47.3	47.6	(NA)	(NA)
ent [4]	79.1	47.6	40.9	40.8	40.8	40.8	40.8	43.8	45.9	46.2	(NA)	(NA)
	1.9	1.8	3.7	4.4	3.4	2.5	1.4	1.3	1.4	1.4	1.1	1.5
ound [5] (dollars)	2.20	3.98	5.58	[1] 6.40	24.58	25.00	14.58	8.56	5.76	10.40	11.43	7.49

sents zero. NA Not available. [1] Reported consumption of purchased scrap. [2] Includes countries not shown [3] Content of unwrought cobalt and cobalt alloys, and waste and scrap. [4] Includes cobalt sold but not delivered. ier stocks only. [5] 1970–77 weighted average based on the market price quoted by a major U.S. cobalt dealer; ased on range of prices; 1980–86 weighted average "Metals Week" prices. [1] Represents low price for years. Price low 6.40 lb. to 20.00 per lb.

tables 1182 and 1183: U.S. Bureau of Mines, *Minerals Yearbook*.

Digitized by Google

No. 1184. Nickel—Summary: 1970 to 1985

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Mine production	18	17	18	14	14	15	15	12	3	–	15	6
Plant production:												
Primary [1]	16	14	14	13	11	12	11	10	3	(D)	10	5
Secondary [2]	49	42	47	45	44	57	49	52	43	50	55	57
Imports (est. nickel content)	156	181	188	195	240	177	169	209	130	152	177	158
Exports (gross weight)	31	30	47	39	36	51	57	47	57	44	59	51
Consumption	156	146	163	155	161	196	156	145	104	128	137	120
Stocks (consumer), Dec. 31	25	35	32	19	20	20	15	23	19	20	21	19
Price per pound [3] (dollars)	1.33	2.20	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26
World production, est	693	890	873	913	725	756	859	800	682	735	833	857

– Represents zero. D Withheld to avoid disclosing company proprietary data. [1] From domestic ores. [2] Includes nickel recovered from iron and steel scrap. [3] Through 1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

No. 1185. Tin—Summary: 1970 to 1986

[In thousands of short tons, except price. See headnote, table 1184, for exclusions]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Production: Domestic smelters	(D)	7.2	8.5	5.1	3.3	2.2	3.9	2.8	4.4	3.3	3.5
Secondary sources	22.4	17.5	23.3	23.7	20.5	17.0	15.6	15.7	17.0	15.6	15.4
Imports for consumption:											
Metal	56.7	48.9	51.6	53.3	50.7	50.6	30.8	37.5	45.4	37.3	39.4
Ore (tin content)	5.2	7.1	4.3	5.0	.9	.3	2.2	1.1	3.6	1.8	4.3
Exports	5.0	4.0	5.2	3.8	[1] .7	[1] 2.6	[1] 6.4	[1] 1.5	[1] 1.8	1.6	1.7
Price of Straits tin at NY, dol. per lb. [2]	1.74	3.40	6.30	7.54	8.46	7.33	6.54	8.55	6.24	5.96	3.70
Consumption	83	62	66	69	62	60	51	50	54	55	48
World mine production, est	256	245	266	270	270	278	242	217	219	208	199

D Withheld to avoid disclosure of individual company data. [1] Excludes reexports. [2] See footnote 5, table 1159.

No. 1186. Tungsten Concentrate—Summary: 1970 to 1986

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Production:											
Concentrates (60% WO_3 basis) [1]	1,000 sh. ton	10.1	5.8	7.0	6.3	8.2	3.6	(NA)	(NA)	(NA)	(NA)
Tungsten content	Mil. lb	9.3	5.5	6.6	6.0	7.8	3.5	2.2	2.6	2.2	1.7
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol	23.8	29.1	55.8	50.6	62.2	22.1	10.5	13.4	9.1	5.8
Avg. value per lb. of tungsten	Dollars	2.55	5.30	8.40	8.38	7.96	6.35	4.70	5.20	4.23	3.21
Imports for consumption [3]	Mil. lb	[2] 1.3	[2] 6.9	11.4	11.4	11.8	7.6	6.3	12.6	10.5	5.6
Consumption [2]	Mil. lb	18.7	14.0	21.6	20.4	21.7	9.9	11.4	18.9	15.1	10.6
Stocks, [2] end of year	Mil. lb	2.2	2.5	1.6	1.4	1.7	4.0	2.5	2.2	2.5	1.2
World production [2]	Mil. lb	71.4	84.5	107.1	114.8	110.8	92.9	94.2	110.6	106.5	99.4

NA Not available. [1] A short ton of 60% tungsten trioxide (WO_3) contains 951.72 pounds of tungsten. [2] Tungsten content. [3] General imports.

Source of tables 1184-1186: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1187. Uranium Industry—Summary: 1973 to 1985

[Middle demand case. See table 939. See also *Historical Statistics, Colonial Times to 1970*, series M266-267]

ITEM	Unit	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production	1,000 sh. tons	13.2	11.6	14.9	18.5	16.7	21.9	19.2	13.4	10.6	7.4	5.7
Net imports (U_3O_8)	1,000 sh. tons	–.6	.2	.8	–.8	–1.6	–1.1	–1.1	6.3	2.4	5.2	3.2
Utility inventories (U_3O_8 equivalent)	1,000 sh. tons	(NA)	(NA)	[1] 21.5	35.6	42.6	54.4	64.0	68.6	75.0	[2] 80.1	[2] 76.9
Price (1983 dol./lb U_3O_8):												
Long-term contract price	Dollars	20.40	36.50	46.40	45.30	43.10	35.50	29.40	25.90	27.20	22.60	21.10
Spot market price	Dollars	13.10	40.80	65.20	62.20	56.40	38.60	26.80	20.80	23.00	18.60	14.50
Delivered price	Dollars	14.50	18.10	30.50	31.10	31.60	34.20	35.70	41.60	38.20	[3] 31.30	[3] 29.26
Capital expenditures (1983 dollars)	Mil. dol.	(NA)	461	1,159	1,069	1,060	949	461	173	87	37	32
Mining and milling	Mil. dol.	(NA)	251	760	617	642	625	300	96	30	12	13
Exploration	Mil. dol.	100	210	399	452	418	324	161	77	37	25	19
Employment	1,000	6.6	9.7	16.6	21.4	22.2	19.9	13.7	9.1	5.6	2.9	1.9
Mining and milling	1,000	5.0	7.6	14.6	17.0	18.1	18.5	11.4	8.3	5.2	2.7	1.7
Exploration	1,000	1.6	2.0	4.1	4.4	4.1	3.4	2.3	.6	.4	.2	.2

NA Not available. [1] Natural U_3O_8 only. [2] Includes natural U_3O_8 (uranium oxide), natural UF_6 (uranium hexafluoride), natural UF_6 under usage agreement, UF_6 at enrichment suppliers, enriched UF_6 and fabricated fuel. [3] Average U.S. contract prices and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual.

Digitized by Google

No. 1188. Zinc—Summary: 1970 to 1986

roduction in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249–250, for production)

ITEM AND STATE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
elter production, primary slab zinc	578	438	450	448	521	375	382	252	260	279	286	279
Value (mil. dol.)	236	341	310	278	389	281	341	194	215	271	232	212
rom domestic ores	404	308	355	295	281	256	286	213	232	218	218	211
rom foreign ores	474	130	95	154	240	120	96	38	28	61	70	69
luction, redistilled secondary slab zinc	77	58	51	38	59	32	55	82	76	86	80	69
price of common zinc (cents per lb.)	15.3	39.0	34.4	31.0	37.3	37.4	44.6	36.5	41.4	48.6	40.3	36.0
d smelter production, est	5,321	5,526	6,407	6,483	6,900	6,668	6,708	6,461	6,835	7,194	7,489	7,345
d smelter and refining capacity	(NA)	(NA)	7,666	8,487	6,524	(NA)	(NA)	(NA)	8,529	8,600	6,700	6,924
production, recoverable zinc	534	488	450	334	295	350	344	334	303	279	250	224
lorado	57	48	40	24	11	15	(D)	(D)	(D)	(D)	(D)	(D)
iho	41	41	31	36	33	31	(D)	(D)	(D)	(D)	(D)	(Z)
ssouri	51	75	82	65	68	69	58	70	63	50	54	42
w York	59	77	71	29	13	37	41	58	63	(D)	(D)	(D)
nnessee	118	83	90	97	94	123	130	134	121	126	115	113
ier States	208	145	136	83	76	75	116	72	56	101	81	69

Withheld to avoid disclosure of individual company data. NA Not available. Z Less than 500 tons.

rce: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1189. Bauxite—Summary: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 256–257]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
tion:												
e ore	Mil. lg. ton	2.5	2.2	2.0	2.2	1.8	1.8	.9	.8	1.0	.8	.6
f bauxite	Mil. lg. ton	2.1	1.8	1.6	1.8	1.5	1.5	.7	.7	.8	.7	.5
e	Mil. dol	30.1	25.1	23.2	24.9	22.4	26.5	12.3	11.3	15.6	12.9	10.4
[1] (crude, dried)	Mil. lg. ton	13.6	11.5	13.8	13.6	13.9	12.6	10.0	7.5	9.3	7.0	6.4
ica	Mil. lg. ton	7.5	5.4	6.4	6.4	6.0	5.4	4.1	3.1	3.7	1.5	2.1
ia	Mil. lg. ton	.5	2.6	3.4	3.9	4.0	3.6	4.3	3.7	3.7	3.7	3.3
ame	Mil. lg. ton	2.9	1.9	2.3	1.5	1.3	1.1	.4	.2	.3	.2	.1
	Mil. dol	159.8	245.1	397.5	389.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(as shipped)	1,000 lg. ton	3	19	23	24	28	40	48	73	81	55	68
	Mil. dol	.2	1.7	1.5	3.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
ption (dry equivalent)	Mil. lg. ton	15.7	12.4	14.5	15.4	15.7	13.3	9.1	9.0	10.4	8.1	6.8
roduction, est	Mil. lg. ton	56.9	73.6	79.7	84.2	87.6	84.0	78.1	77.4	86.4	83.0	84.6

ot available. [1] Includes countries not shown separately. [2] Source: U.S. Bureau of the Census. See footnote 1, table

e: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1190. Aluminum—Summary: 1970 to 1986

[See also *Historical Statistics, Colonial Times to 1970*, series M 258–262]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
uction	Mil. sh. ton	4.8	4.9	6.1	6.4	6.5	6.4	5.2	5.4	6.4	5.8	5.3
luminum	Mil. sh. ton	4.0	3.9	4.6	5.0	5.1	4.9	3.6	3.7	4.5	3.9	3.3
apacity	Mil. sh. ton	4.3	5.0	5.2	5.3	5.5	5.5	5.5	5.5	5.4	5.2	4.5
y aluminum [1]	Mil. sh. ton	.8	1.0	1.3	1.4	1.4	1.5	1.6	1.7	1.9	1.9	2.0
(primary metal)	Bil. dol	2.6	3.7	6.6	7.8	9.3	9.8	8.0	8.5	10.4	(NA)	(NA)
uminum	Bil. dol	2.2	3.0	5.2	6.1	7.3	7.5	5.5	5.8	7.3	6.2	5.4
ents per lb. [2]	Cents/lb	28.7	39.8	54.0	61.0	71.6	76.0	76.0	77.8	81.0	81.0	81.0
r aluminum	Bil. dol	.5	.8	1.4	1.7	2.0	2.3	2.5	2.7	3.1	(NA)	(NA)
r consumption [4]	1,000 sh. ton	468	550	1,080	840	713	935	968	1,203	1,628	1,565	2,168
	Bil. dol	.2	.4	1.1	1.0	1.0	1.4	1.3	1.8	2.5	2.0	2.7
	1,000 sh. ton	612	440	520	773	1,483	867	824	855	809	1,001	930
	Bil. dol	.4	.4	.7	1.1	2.4	1.5	1.2	1.3	1.3	1.3	1.2
[4] (net domestic)	Mil. sh. ton	4.5	4.6	6.8	6.9	6.1	6.2	5.6	6.4	7.2	7.0	7.2
uction, est	Mil. sh. ton	10.8	13.4	15.6	16.0	17.0	16.6	14.8	15.3	17.3	16.9	16.9
t capacity	Mil. sh. ton	12.0	16.4	18.9	19.4	18.7	19.0	19.2	19.5	20.1	19.9	19.8

available. [1] Recoverable aluminum content from scrap, old and new. [2] Based on published producers' prices for etal. [3] Average of prices for primary aluminum, 1970–1978, quoted by *American Metal Market*; thereafter *Metals* [4] Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). [5] Compiled by Aluminum from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and t inventories and net trade.

U.S. Bureau of Mines, *Minerals Yearbook*.

Digitized by Google

No. 1191. Magnesium—Summary: 1970 to 1985

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production (domestic)	124	148	159	185	200	209	200	145	161	207	196
Primary [1]	112	120	126	149	162	169	154	102	115	159	150
Secondary (recovered from scrap)	12	28	33	36	37	40	46	43	46	48	46
Exports	36	33	28	42	54	57	35	40	47	48	40
Value (mil. dol.)	22.5	48.2	51.8	75.8	113.8	127.7	90.8	104.8	124.7	136.7	113.6
Imports	3	8	6	7	5	4	7	5	8	9	9
Value (mil. dol.)	2.5	11.5	8.0	10.1	9.0	8.3	17.6	15.8	18.3	25.7	25.1
Consumption	93	94	104	109	109	96	91	75	82	90	84
Castings and wrought products	23	19	20	19	19	17	15	14	15	14	17
Alloys (aluminum)	37	47	56	59	61	54	51	40	46	49	41
Other	33	28	28	31	29	24	25	21	21	27	26
Price per pound (cents)	35	82	96–99	99–101	101–109	107–125	125–134	134	138	143–148	148–153
World production (primary)	242	258	284	318	339	348	340	280	286	360	361

[1] For 1975–1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production.

No. 1192. Platinum-Group Metals—Summary: 1970 to 1986

[In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986 [1]
World mine production, total [2]	4,239	5,714	6,440	6,487	6,848	6,931	6,424	6,525	7,848	7,938	7,834
United States	17	19	8	7	3	7	8	8	15	(D)	(D)
U.S.S.R.	2,200	2,650	3,150	3,200	3,250	3,350	3,500	3,600	3,700	3,800	3,850
South Africa	1,503	2,600	2,860	3,017	3,100	3,110	2,600	2,600	3,500	3,700	3,600
Primary refined	21	17	8	8	3	7	9	9	24	7	34
Secondary refined	350	270	257	309	331	392	344	303	340	258	231
Imports	1,411	1,820	2,921	3,479	3,502	2,850	2,494	3,218	4,474	3,990	4,477
Value (mil. dol.)	105	273	450	841	1,177	800	554	753	1,118	1,026	1,347
Exports	414	660	703	900	765	863	836	1,229	1,162	889	751
Value (mil. dol.)	43	88	102	202	341	302	182	310	275	187	202
Consumption [3]	1,331	1,309	2,260	2,756	2,206	1,921	1,873	1,914	2,200	2,271	2,250
Industry stocks, Jan. 1	1,068	1,122	1,013	861	781	973	918	1,107	943	1,319	1,129
Producer price per troy ounce (dol.):											
Platinum	133	164	237	352	439	475	475	475	475	475	519
Palladium	38	93	71	113	214	130	110	130	147	127	131
Rhodium	215	338	510	733	766	641	600	600	625	915	1,196
Iridium	156	477	300	257	505	600	600	600	600	600	600
Ruthenium	53	60	56	45	45	45	45	45	[4] 45	(5)	(5)
Osmium	215	200	150	150	150	150	137	110	(5)	(5)	(5)

D Withheld to avoid disclosing company proprietary data. [1] Preliminary. [2] Includes countries not shown separately. [3] Reported sales to consumers. [4] Price suspended June 7, 1984. [5] Price suspended Jan. 13, 1984.

No. 1193. Titanium—Summary: 1970 to 1986

[In 1985, approximately 63 percent of the titanium metal was used in jet engines, airframes, and space and missile applications, approximately 20 percent was used in the chemical processing industry, power generation, and in marine and ordinance applications; and 17 percent in steel and other alloys]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Ilmenite concentrate:												
Mine shipments	1,000 sh. ton	921	702	581	646	594	524	233	(D)	(D)	(D)	(D)
Value	Mil. dol	18.6	26.9	25.6	33.0	32.0	37.0	19.1	(D)	(D)	(D)	(D)
Imports	1,000 sh. ton	96	122	309	184	357	236	348	259	410	507	466
Value	Mil. dol	1.0	2.1	4.5	2.8	5.7	5.9	8.8	9.3	11.1	14.8	16.8
Consumption	1,000 sh. ton	972	748	792	791	849	856	583	731	783	756	806
Titanium dioxide pigments:												
Production	1,000 sh. ton	655	603	701	742	727	781	660	760	835	860	917
Imports for consumption	1,000 sh. ton	60	26	118	105	98	125	139	175	194	196	209
Apparent consumption	1,000 sh. ton	(NA)	596	802	837	753	808	741	853	916	981	988
Price, Dec. 31:												
Anatase	Cents/lb	28	39	46	53	57	69	69	69	69	72	77
Rutile	Cents/lb	26–27	44	51	59	63	75	75	75	75	78	82
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	3,194	3,875	3,910	4,107	4,021	3,339	[1] 2,948	[1] 3,795	[1] 3,793	[1] [2] 3,750
Titanium slag	1,000 sh. ton	853	832	1,037	842	1,313	1,245	1,157	1,160	1,260	1,410	[2] 1,417
Rutile concentrate, natural [1]	1,000 sh. ton	460	422	333	390	480	399	373	342	378	414	[2] 439

D Withheld to avoid disclosing company proprietary data. NA Not available. [1] Excludes U.S. production data to avoid disclosing company proprietary data. [2] Estimated.

Source of tables 1191–1193: U.S. Bureau of Mines, *Minerals Yearbook*.

Digitized by Google

No. 1194. CHROMITE—SUMMARY: 1970 TO 1986

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
ts for consumption [1]	1,405	1,252	1,013	1,024	982	898	507	190	305	414	488
/alue (mil. dol.)	31.8	60.7	51.4	55.6	56.5	49.9	29.7	10.4	15.5	20.2	21.7
/th Africa	407	289	490	353	405	482	277	144	235	301	341
iet Union	248	349	157	250	170	111	34	(z)	–	–	22
ippines	210	210	185	194	138	145	70	13	48	41	19
ts	41	139	23	27	6	71	8	11	55	101	92
orts	73	45	29	28	44	67	57	5	4	4	1
mption, total	1,403	881	1,010	1,214	977	889	558	320	512	560	427
allurgical industry	912	532	534	774	577	503	283	64	226	273	[2] 377
actory industry	278	183	237	198	160	146	80	72	97	65	50
mical industry	213	166	239	242	240	238	195	184	189	222	(*)
ks, Dec. 31 (consumer)	733	952	1,301	907	875	728	546	456	327	300	314
production [1]	8,672	9,136	12,064	10,277	10,915	10,018	9,231	9,131	10,756	11,630	11,394
h Africa	1,573	2,268	3,466	3,634	3,763	3,164	2,680	2,762	3,756	4,077	3,840
et Union	1,930	2,290	3,640	2,535	3,200	3,200	3,240	3,240	3,240	3,240	3,250
opines	624	573	595	613	547	484	355	294	288	300	202

epresents zero. Z Fewer than 500 short tons. [1] Includes countries not shown separately. [2] For 1986, chemical / included with metallurgical industry.

ce: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1195. FERROALLOYS—SUMMARY: 1970 TO 1986

tic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. alloy is defined as an alloy of iron and contains a sufficient amount of one or more chemical elements to be useful as an for introducing these elements into molten metal, usually steel. The major consumers of ferroalloys are the steel and s foundry industries; see tables 1275–1278]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1984	1985	1986	1970	1975	1980	1984	1985	1986
nestic												
ipments [1]	**2,489.6**	**1,768.1**	**1,486.1**	**1,153.9**	**941.7**	**854.6**	**548.1**	**906.7**	**1,129.9**	**760.5**	**699.2**	**664.8**
nganese [2]	807.4	556.1	194.3	185.5	156.8	111.6	134.5	222.5	99.6	106.3	100.9	90.9
nganese	173.0	126.4	161.6	(*)	(*)	(*)	32.0	53.9	70.3	(*)	(*)	(*)
se metal	(NA)	22.1	(NA)	(*)	(*)	(*)	(NA)	(NA)	(NA)	(*)	(*)	(*)
on	659.2	709.9	681.4	498.1	404.7	371.3	136.2	321.5	442.6	259.4	190.4	218.4
etal	97.7	131.1	124.5	139.4	121.6	126.1	(NA)	(NA)	(NA)	171.8	157.2	148.8
n alloys	370.9	223.5	237.5	120.8	108.5	115.7	126.3	177.5	179.9	102.1	97.7	87.6
mbium	1.4	.5	1.3	(D)	(D)	(D)	9.4	3.5	34.5	9.8	8.8	(D)
sphorus	176.1	96.0	85.4	113.5	54.9	53.8	8.5	10.9	13.1	18.1	7.9	7.2
exports	(NA)	(NA)	**155.5**	**133.5**	**106.0**	**83.7**	(NA)	(NA)	**173.8**	**165.0**	**135.3**	**115.2**
s	151.1	97.4	128.5	124.8	98.5	72.8	55.7	58.9	93.1	66.0	83.4	39.2
	(NA)	(NA)	27.0	8.8	7.5	10.8	(NA)	(NA)	80.7	98.1	71.9	76.0
	(NA)	(NA)	14.4	4.4	2.1	5.4	(NA)	(NA)	65.5	88.5	61.6	85.2
ese	3.0	3.3	12.3	4.1	5.2	5.1	2.0	3.3	11.5	5.9	7.2	7.9
mports	(NA)	**927.3**	**1,149.1**	**1,220.0**	**1,131.2**	**1,314.2**	(NA)	**482.9**	**643.7**	**529.4**	**600.5**	**841.3**
s	365.5	913.8	1,115.9	1,176.8	1,066.9	1,259.2	60.5	466.0	585.9	537.0	486.4	544.6
ese alloys	305.5	451.9	683.5	548.0	532.7	594.5	33.3	151.4	240.8	162.5	155.9	179.4
con	22.4	70.4	71.2	143.7	155.4	223.0	4.1	42.0	42.6	72.9	74.0	100.8
alloys	41.3	322.9	302.3	433.8	335.0	397.6	9.6	192.7	155.8	187.2	158.8	178.4
	(NA)	13.7	33.2	43.2	64.3	55.0	(NA)	18.9	57.8	92.4	112.0	96.8
	(NA)	7.7	21.3	25.2	51.8	40.9	(NA)	8.2	21.4	55.4	83.4	65.2
n	1.9	1.6	4.1	4.7	4.0	4.5	3.1	8.6	26.4	24.1	19.8	21.6
ese	1.3	4.4	7.9	13.3	8.6	9.7	.5	4.0	8.0	13.0	9.1	9.8

held to avoid disclosure of individual company data. NA Not available. [1] Includes other not shown separately. s fused-salt electrolytic low and medium-carbon ferromanganese. [2] Included with ferromanganese.

U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1196. BERYLLIUM—SUMMARY: 1970 TO 1986

ons, except as indicated Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of tals, including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating cting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, s, switching, and other electronic and electrical applications]

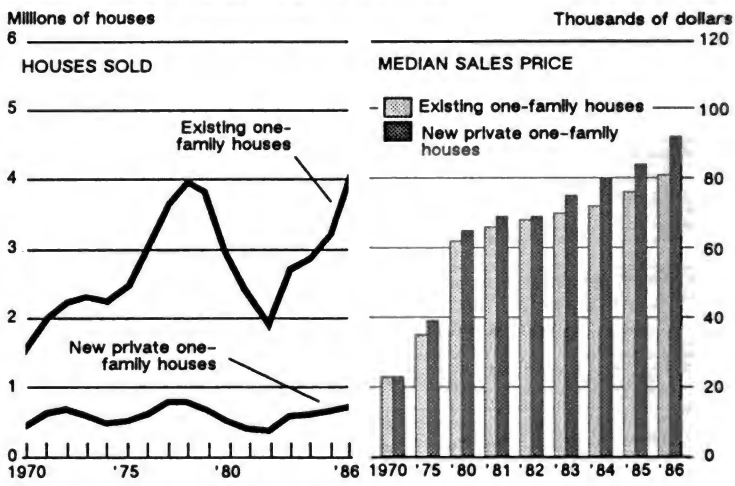
ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
consumption	4,942	1,479	1,031	1,037	1,703	2,136	2,652	2,194	1,332	1,646	1,510
[1]	9,496	4,850	5,918	9,518	8,508	8,141	5,387	8,999	9,003	(NA)	(NA)
ort ton unit BeO^2 (dollars)	35	32	40	47	69	94	121	126	86	87	86
cks [1]	5,696	3,546	1,346	835	1,350	2,223	5,112	7,037	5,653	(NA)	(NA)
ction of beryl	8,857	3,290	2,888	2,642	10,272	10,609	9,003	9,950	9,850	8,973	9,874

vailable. [1] Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO.
ate.

S. Bureau of Mines, *Minerals Yearbook.*

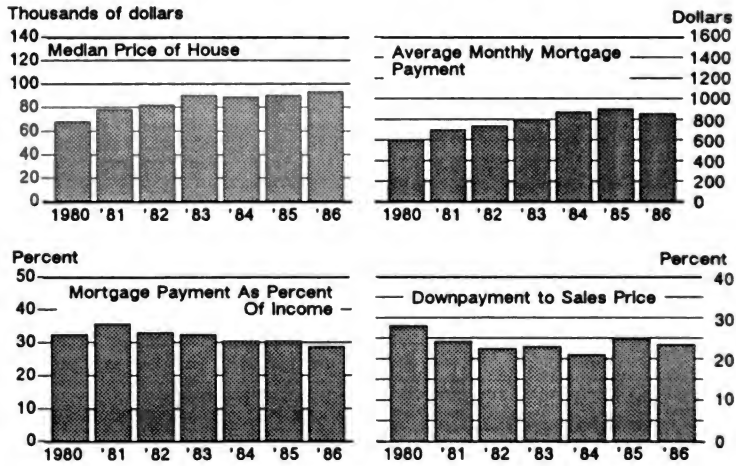
Digitized by Google

Figure 26.1
Houses Sold and Sales Price: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1212, 1213 and 1215.

Figure 26.2
Recent Home Buyers–General Characteristics: 1980 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1231.

Digitized by Google



Section 26

Construction and Housing

on presents data on the construction industry and on various indicators of its activity on housing units and their characteristics and occupants; on public housing; on mort- on commercial buildings.

ipal source of these data is the U.S. Bureau of the Census, which issues a variety of ications. Construction statistics compiled by the Bureau appear in its monthly *Construc-* series with various quarterly or annual supplements; *Housing Starts* and *Housing Com-* sent data by type of structure and by 4 major census regions; *New One-Family Houses or Sale* also provides statistics annually on physical and financial characteristics for all g by the 4 major census regions; *Value of New Construction Put in Place* includes mposite construction cost indexes; *Price Index of New One-Family Houses Sold* pre- erly figures and annual regional data; and *Housing Units Authorized by Building Permits* oximately 17,000 permit-issuing jurisdictions in the United States. Statistics on expendi- ners of residential properties are issued quarterly and annually in *Residential Alterations* s. Reports of the censuses of construction industries (see below) are also issued on cs.

nsus Bureau publications include the *Current Housing Reports* series, which comprises y *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the Annual Hous- and reports of the censuses of housing and of construction industries. *Construction* blished quarterly by the International Trade Administration, U.S. Department of Com- tains many of the census series and other construction statistics series from the Federal t and private agencies.

urces include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, l Information Systems Company, New York, NY, which presents State data on construc- ts; the National Association of Home Builders with State-level data on housing starts; NAL ASSOCIATION OF REALTORS, which presents data on existing home sales; the Economic Analysis, which presents data on residential capital and gross housing prod- e Federal Home Loan Bank Board, the Department of Housing and Urban Development the Veterans Administration, which publish financial data. Data on conventional home are provided by the Federal Home Loan Bank Board. The Department of Housing and elopment provides data on the gross flow of long-term mortgage loans in its study, *The Mortgage Credit, 1970-1979.* Data on mortgages insured by the Federal Housing Admin- HA) and on VA-guaranteed loans are also presented in this section. The Energy Informa- stration provides data on commercial buildings through its periodic sample surveys.

s and surveys.—Censuses of the construction industry were first conducted by the he Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every for years ending in "2" and "7"). The latest reports are for 1982.

2 Census of Construction Industries, in accordance with the 1972 *Standard Industrial on Manual* (see text, section 13), defines a construction establishment as a relatively place of business where the usual business activities related to construction are con-

50 through 1930, the Bureau of the Census collected some housing data as part of its of population and agriculture. Beginning in 1940, separate censuses of housing have at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units cted and issued on occupancy and structural characteristics, plumbing facilities, value,

on studies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration d housing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. d rate in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 which were vacant housing units.

073 0 - 88 - 23 : QL 3

Digitized by Google

The Annual Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984 the name of the survey was changed to the American Housing Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

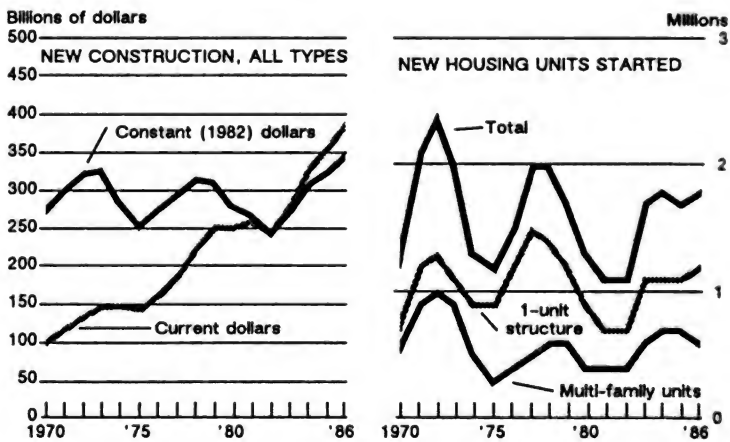
Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 26.3
Value of New Construction and Housing Units Started: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see tables 1200 and 1208.

Digitized by Google

IO. 1197. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972 TO 1982

obability sample of about 167,000 construction establishments with payroll in 1972, 181,000 in 1977, and 172,000 in 1982; see Appendix III. N.e.c. = Not elsewhere classified]

INDUSTRY	Establishments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added [2] (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction [1]	
	437.9	**4,146**	**3,487**	**40,005**	**32,187**	**155,850**	**111,232**	**68,197**
struction	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
ilding contractors	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
struction contractors	28.0	827	709	9,255	7,537	31,461	25,357	16,200
de contractors	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
	480.0	**4,273**	**3,585**	**54,990**	**43,112**	**224,885**	**164,518**	**98,864**
struction	474.9	4,234	3,549	54,566	42,963	221,622	163,483	98,116
ilding contractors	156.0	1,181	963	13,537	10,041	89,787	48,262	25,040
struction contractors	31.3	917	757	14,267	10,988	50,728	40,272	26,573
de contractors	287.7	2,136	1,827	26,762	21,934	81,106	74,929	46,502
	458.7	**4,275**	**3,453**	**78,686**	**60,175**	**324,512**	**233,267**	**145,965**
struction	450.8	4,235	3,438	78,097	60,017	321,100	232,005	144,946
ilding contractors	123.2	994	756	17,049	11,647	117,111	57,367	33,586
mily houses	72.1	310	253	3,606	2,749	20,129	14,116	7,877
sidential buildings	7.5	63	50	1,078	760	7,953	3,570	1,951
e builders	14.1	108	53	1,874	710	18,085	8,841	5,492
l buildings and warehouses	7.4	154	122	3,231	2,344	18,119	9,294	5,756
dential buildings, n.e.c	22.1	360	278	7,260	5,085	52,825	21,547	12,512
struction contractors	28.2	852	703	19,444	15,359	71,024	54,654	36,060
and street construction	10.1	213	180	3,989	3,138	19,035	14,987	8,633
unnel, and elevated highway	1.0	38	32	816	665	3,549	2,812	1,468
ewer, and utility lines	9.4	187	160	3,576	2,907	12,129	10,462	7,005
onstruction, n.e.c	7.7	415	329	11,063	8,649	36,310	26,392	18,953
de contractors [3]	299.4	2,389	1,979	41,605	33,011	132,965	119,984	75,299
g, heating, air-conditioning	60.2	512	398	9,861	7,477	33,521	28,846	16,962	
, paperhanging, decorating	24.8	136	121	1,876	1,589	4,666	4,399	3,360
l work	39.6	435	352	9,107	7,347	26,441	25,252	15,123
and other stonework	20.2	121	110	1,551	1,344	4,333	4,046	2,667
g, drywall, insulation	16.4	200	172	3,573	2,930	10,206	9,215	6,009
ering	30.8	133	117	1,612	1,352	5,512	4,759	2,929
and sheet metal work	21.1	191	159	3,035	2,321	10,034	9,315	5,460
e work	20.0	157	138	2,310	1,902	8,377	7,447	4,492
al steel erection	3.7	62	53	1,291	1,056	3,650	3,233	2,376
ing and foundation work	19.6	136	115	2,152	1,757	8,473	7,337	5,507
g building equipment, n.e.c	3.8	60	49	1,449	1,145	4,256	3,971	2,952
trade contractors, n.e.c	25.1	172	136	2,960	1,931	9,379	8,324	5,306
and developers, n.e.c	5.9	40	15	569	157	3,425	1,263	1,019

on receipts less payments for construction work subcontracted to others, not shown separately. [2] Total receipts nts for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown [3] Includes other industries each with less than $3.0 billion in total receipts, not shown separately.

Bureau of the Census, *Census of Construction Industries, 1972, 1977,* and *1982*, series CC.

IO. 1198. CONSTRUCTION MATERIALS—PRODUCER PRICE INDEXES: 1970 TO 1986

xcept as noted. For discussion of producer price index, see text, section 15. Covers materials incorporated as of a building or normally installed during construction and not readily removable. Excludes consumer durables such anges, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970*, series N 140-155]

OMMODITY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
erials	**112.5**	**174.0**	**226.3**	**251.4**	**266.4**	**283.0**	**288.0**	**297.7**	**306.4**	**309.8**	**309.2**
ber: Douglas fir	108.7	212.0	339.7	383.9	353.0	311.8	266.2	361.5	328.1	336.8	331.5
e	114.7	175.3	304.6	324.2	297.4	291.6	285.9	319.9	319.8	300.7	299.5
ber	114.6	160.3	235.8	260.0	252.0	255.2	262.4	283.7	319.7	307.2	310.1
	116.0	160.4	235.4	254.3	260.4	273.4	279.4	302.3	307.8	312.1	317.5
	108.4	161.2	235.6	250.5	246.5	245.7	232.1	244.1	241.8	231.3	235.3
and board	101.0	127.1	187.4	182.4	206.2	231.7	239.5	250.0	259.0	257.2	260.7
l	112.4	166.9	192.3	204.4	235.3	249.8	262.8	264.7	272.5	276.8	281.2
products:											
erbon	113.2	227.8	296.6	303.4	336.3	394.2	416.8	406.4	405.6	405.1	402.8
bars [1]	42.9	77.4	80.9	101.4	106.7	107.0	99.7	92.4	98.9	101.1	102.2
sheets and strip [1]	34.0	58.7	75.3	83.8	86.1	97.9	100.0	106.3	113.7	113.7	107.3
	114.8	241.4	273.5	298.5	331.9	356.9	365.3	358.0	363.0	365.9	364.5
etal products	124.7	171.8	207.8	261.7	305.0	285.8	263.6	276.1	277.1	262.5	259.7
rawn tube, 6,000											
	100.7	159.9	189.7	216.1	242.2	265.9	282.9	285.5	310.5	310.5	310.8
res, brass fittings	111.2	162.3	199.1	217.1	246.7	267.5	278.7	289.3	302.7	311.8	322.1
ment	110.8	150.7	174.4	187.1	206.5	224.2	237.2	243.6	252.9	259.7	268.3
ash, trim	113.0	162.5	207.6	229.6	255.2	278.8	290.5	296.8	309.6	311.9	316.4
adients	112.6	172.3	217.7	244.0	274.0	296.3	310.0	313.3	325.7	336.2	338.9
ducts	112.2	170.5	214.0	244.1	273.9	291.2	297.8	302.0	309.6	320.1	325.1
products	109.9	151.2	197.2	217.9	231.5	249.8	260.8	277.8	286.8	295.9	308.1
ucts	99.7	144.0	229.1	252.3	258.3	256.2	256.1	266.0	346.7	338.8	350.7
and coatings	102.7	225.9	292.0	325.3	396.8	407.5	398.4	384.0	399.5	406.7	399.6
erials	123.2	196.2	250.7	256.3	287.9	(NA)	356.6	369.7	370.7	374.9	377.6

ailable. [1] June 1982 = 100. [2] Dec. 1969 = 100.

i, Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Digitized by Google

No. 1199. Price and Cost Indexes for Construction: 1970 to 1986

[1982 = 100. Excludes Alaska and Hawaii. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118–137, for construction cost indexes on a 1947–49 base]

NAME OF INDEX	1970	1975	1978	1979	1980	1981	1983	1984	1985	1986
Price index for new one-family houses sold [1]	35.1	52.3	70.4	80.1	88.8	97.0	102.6	106.3	108.4	111.3
Dept. of Commerce composite [2]	36.5	56.4	71.5	80.9	89.7	97.1	102.6	106.4	109.6	111.9
Federal Highway Admin., Highways [3]	39.5	65.9	81.3	97.1	111.0	106.7	99.8	105.8	117.2	116.9
Bureau of Reclamation composite [4]	37	59	71	78	87	95	101	103	105	108
Federal Energy Regulatory Commission:										
Pipeline	37	63	76	82	91	99	101	103	(NA)	(NA)
Turner Construction Co.: Building construction [5]	40	61	68	76	84	93	105	111	115	118
E.H. Boeckh, building cost index: [6]										
Small residential structures	38.3	57.4	73.9	80.7	87.4	92.2	105.9	111.9	115.1	117.3
Apartments, hotels, and office buildings	38.3	57.1	71.0	76.5	83.4	91.6	106.4	111.2	113.0	114.9
Commercial and factory buildings	36.6	58.2	70.8	77.1	84.1	92.2	105.3	109.4	111.3	113.2
Engineering News-Record: [7]										
Building construction	37.4	58.5	74.9	81.4	87.0	93.9	106.7	108.2	108.7	111.2
General construction	36.2	57.8	72.6	78.5	84.6	92.5	106.3	108.4	109.7	112.3
Handy-Whitman public utility: [8]										
Building	37	66	77	86	95	100	103	107	110	113
Electric light and power [9]	35	80	72	79	87	95	103	105	107	107

NA Not available. [1] Excludes value of site. [2] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [3] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [4] Derived from the four quarterly indexes which are weighted averages of costs of labor materials, and equipment for the construction of dams and reclamation projects. [5] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. [6] Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. [7] Building construction index computed on basis of hypothetical unit of construction requiring 8 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 66.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [8] Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. [9] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review* bimonthly.

No. 1200. Value of New Construction Put in Place: 1960 to 1986

[**In millions of dollars.** Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1–29 and N 86–69]

YEAR	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,738	38,875	22,975	10,149	15,863	(NA)	(NA)	(NA)	(NA)	(NA)
1965	78,474	56,554	30,235	17,995	21,920	276,033	198,783	107,240	63,223	77,250
1966	81,812	57,966	28,611	19,701	23,846	275,956	195,319	96,982	66,596	80,637
1967	83,521	58,144	26,737	18,855	25,377	272,964	189,978	84,372	61,929	82,986
1968	93,183	65,745	34,172	19,402	27,437	288,451	203,456	106,280	59,942	84,996
1969	100,464	72,871	37,214	22,530	27,793	291,289	210,743	108,935	64,348	80,546
1970	101,281	73,374	35,863	22,770	27,908	277,818	202,969	102,285	60,951	74,850
1971	117,904	88,205	48,514	23,872	29,699	302,795	229,096	130,477	58,786	73,699
1972	133,887	103,857	60,693	26,025	30,030	323,535	253,192	152,582	59,959	70,343
1973	147,368	115,020	65,085	29,949	32,348	327,299	257,106	148,976	63,808	70,194
1974	147,763	109,631	55,967	31,325	38,132	285,186	216,796	116,814	58,274	68,390
1975	144,311	102,810	51,581	27,545	41,702	255,870	186,284	98,542	49,037	69,587
1976	162,953	122,064	66,273	27,026	40,889	278,864	210,507	122,513	46,138	68,357
1977	188,048	148,607	92,004	29,693	39,441	295,876	235,366	148,320	47,114	60,510
1978	225,934	178,440	109,838	37,560	47,495	315,895	251,057	154,884	53,610	64,839
1979	252,411	200,720	118,444	49,505	51,690	311,973	250,349	144,450	62,877	61,624
1980	251,719	193,251	100,381	55,431	58,468	280,741	218,813	112,972	63,833	61,928
1981	260,160	203,611	99,241	64,695	56,549	268,055	211,039	102,140	67,758	57,016
1982	246,568	192,855	84,676	69,355	53,713	246,621	192,812	84,663	69,325	53,809
1983	281,266	227,494	125,521	65,875	53,772	274,108	220,731	122,099	63,234	53,377
1984	328,641	270,977	153,849	81,147	57,664	308,770	253,483	144,398	74,767	55,287
1985	355,994	291,665	158,474	95,317	64,328	324,817	266,642	145,787	85,497	58,175
1986	388,817	316,589	187,148	91,171	72,228	347,831	283,565	168,592	79,823	64,266

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Digitized by Google

No. 1201. Value of New Construction Put in Place: 1970 to 1986

illions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and nstruction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected es of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of chinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1– and N 66-69]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total	101,281	144,311	252,411	251,719	260,160	246,568	281,266	328,841	355,994	388,817
Average annual percent change [1]	5.2	7.3	11.7	−.3	3.4	−5.2	14.1	16.8	8.3	9.2
te	73,374	102,810	200,720	193,251	203,611	192,855	227,494	270,977	291,665	316,589
ercent of total	72.4	71.1	79.5	76.8	78.3	78.2	80.9	82.5	81.9	81.4
idential buildings [2]	35,863	51,581	116,444	100,381	99,241	84,678	125,521	153,849	158,474	167,148
ew housing units	27,059	36,317	89,272	69,629	69,424	57,001	94,649	113,826	114,662	133,192
1 unit	17,541	29,639	72,257	52,921	51,965	41,462	72,203	85,605	86,123	102,154
2 or more units	9,518	6,679	17,015	16,708	17,460	15,538	22,447	28,221	28,539	31,038
provements	8,804	15,264	27,172	30,752	29,817	27,675	30,872	40,023	43,812	53,956
residential buildings [3]	22,770	27,545	49,505	55,431	64,695	69,355	65,675	81,147	95,317	91,171
dustrial	6,537	6,016	14,950	13,837	17,030	17,343	12,861	13,745	15,769	13,747
fice	(*)	4,973	9,461	13,318	17,473	23,049	20,768	25,940	31,580	28,591
tels, motels	1,307	1,072	2,150	2,930	3,718	4,101	5,185	6,751	7,301	7,451
her commercial	9,753	7,833	15,463	16,627	16,775	14,235	15,025	22,167	28,048	28,170
ligious	929	867	1,548	1,637	1,665	1,543	1,780	2,132	2,409	2,702
ucational	915	634	863	1,243	1,331	1,475	1,593	1,660	1,896	2,343
spital and institutional	2,529	3,209	3,530	4,046	4,907	5,875	6,559	6,297	5,583	5,422
scellaneous	800	939	1,540	1,794	1,798	1,733	1,905	2,455	2,729	2,745
nonresidential	1,875	3,731	5,588	5,274	4,612	3,692	3,255	3,161	2,197	2,049
utilities	11,920	18,684	27,732	30,915	33,795	33,864	31,579	30,915	32,952	33,946
ephone and telegraph	2,968	3,683	6,343	6,733	7,074	7,110	6,471	7,174	7,484	8,427
er public utilities	8,952	15,001	21,389	24,181	26,721	26,754	25,108	23,741	25,468	25,520
ilroads	581	949	2,195	2,319	2,200	2,595	2,951	3,513	4,046	3,068
lectric light, power [4]	5,807	9,888	14,621	16,048	17,774	18,313	17,936	15,654	15,968	16,955
ias	2,299	2,220	3,982	5,006	5,945	5,469	3,764	4,303	5,182	5,191
etroleum pipelines	284	1,944	591	809	742	377	457	271	272	286
her private	946	1,068	1,452	1,250	1,268	1,269	1,464	1,905	2,726	2,275
	27,908	41,702	51,890	58,468	56,549	53,713	53,772	57,664	64,328	72,228
cent of total	27.6	28.9	20.5	23.2	21.7	21.8	19.1	17.5	18.1	18.6
gs	10,473	15,243	15,558	18,517	17,792	16,997	17,276	17,883	20,172	23,494
sing, redevelopment	1,106	754	1,211	1,648	1,722	1,658	1,700	1,636	1,511	1,456
strial	316	687	1,112	1,441	1,655	1,632	1,809	1,828	1,968	1,657
cational	5,619	7,760	6,903	8,050	6,737	5,927	5,374	5,557	6,708	8,440
pital	838	1,745	1,648	1,785	2,083	1,991	2,098	2,039	2,017	1,998
r	2,594	4,296	4,684	5,593	5,595	5,789	6,295	6,822	7,967	9,943
ys and streets	9,962	11,902	14,695	17,225	16,799	16,164	17,199	18,771	21,756	23,359
facilities	717	1,389	1,647	1,880	1,964	2,205	2,544	2,839	3,283	3,919
vation, redevelopment	1,907	3,257	4,587	5,090	5,300	5,027	4,820	4,654	4,744	4,668
systems	1,543	4,801	7,298	7,171	5,935	5,529	5,260	6,241	7,196	8,105
supply facilities	1,093	1,765	2,490	3,256	3,004	2,902	2,083	2,621	2,664	3,370	
aneous	2,192	3,345	5,215	5,316	5,754	4,869	4,590	4,654	4,512	5,313
ownership:										
and local government	24,798	35,614	43,126	48,627	46,136	43,705	43,214	46,423	52,282	59,706
ldings	9,753	13,580	13,215	15,699	14,641	14,012	13,886	14,088	15,900	19,299
hways and streets	9,728	11,595	14,367	16,769	16,048	15,646	16,731	18,255	21,287	22,957
nservation, development	540	818	673	821	896	908	820	727	935	971
ner	4,777	9,821	14,872	15,538	14,550	13,139	11,777	13,354	14,160	16,478
ral government	3,110	8,088	8,564	9,641	10,413	10,008	10,557	11,240	12,046	12,522
nservation, development	1,367	2,638	3,915	4,270	4,404	4,119	4,000	3,927	3,810	3,697
ldings	720	1,663	2,343	2,818	3,151	2,986	3,390	3,796	4,272	4,195
tary facilities	717	1,389	1,647	1,880	1,964	2,205	2,544	2,839	3,283	3,919
c. (incl. highways and treets)	305	397	659	873	894	699	624	678	681	712

e from immediate year, except 1970, change from 1965. Minus sign (−) indicates decrease. For explanation of average rcent change, see Guide to Tabular Presentation. [2] Includes farm residential. [3] Excludes building by privately blic utilities. [4] Office buildings included in "other commercial." [5] Includes construction with Rural Electrification tion (REA) funds.

U.S. Bureau of the Census, *Construction Reports*, series C30.

Digitized by Google

No. 1202. Value of New Construction Put in Place in Constant (1982) Dollars: 1970 to 1986

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30–80S]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Total	277,618	255,670	311,973	280,741	268,055	246,621	274,108	306,770	324,817	347,631
Average annual percent change [1]	.1	−1.6	5.1	−10.0	−4.5	−8.0	11.1	12.6	5.2	7.0
Private	202,969	186,284	250,349	218,813	211,039	192,812	220,731	253,483	266,642	283,586
Percent of total	73.1	72.9	80.2	77.9	78.7	78.2	80.5	82.1	82.1	81.5
Residential buildings [2]	102,265	98,542	144,450	112,972	102,140	84,663	122,099	144,398	145,787	168,582
New housing units	77,218	69,378	110,743	78,379	71,496	56,990	92,062	106,873	105,505	120,066
1 unit	50,047	56,571	89,658	59,537	53,511	41,454	70,211	80,362	79,237	92,054
2 or more units	27,172	12,807	21,085	18,842	17,985	15,536	21,851	26,510	26,268	27,988
Improvements	25,067	29,164	33,707	34,594	30,643	27,673	30,037	37,525	40,282	48,591
Nonresidential buildings [3]	60,951	49,037	62,877	63,833	67,758	69,325	63,234	74,767	85,497	79,823
Industrial	17,493	14,272	19,026	15,948	17,823	17,341	12,395	12,665	14,145	12,038
Office	(*)	8,857	12,006	15,323	18,291	23,035	20,000	23,898	28,331	25,037
Hotels, motels	3,502	1,909	2,724	3,373	3,891	4,099	4,990	6,226	6,550	6,522
Other commercial	26,104	13,943	19,607	19,153	17,581	14,232	14,452	20,409	25,153	24,666
Religious	2,488	1,543	1,966	1,884	1,746	1,541	1,712	1,965	2,159	2,365
Educational	2,450	1,128	1,095	1,428	1,397	1,474	1,534	1,530	1,700	2,090
Hospital, institutional	6,771	5,714	4,498	4,656	5,141	5,871	6,318	5,811	5,011	4,747
Miscellaneous	2,142	1,671	1,954	2,068	1,888	1,732	1,833	2,263	2,448	2,403
Farm nonresidential	5,020	6,640	7,110	6,067	4,830	3,691	3,131	2,915	1,973	1,782
Public utilities	32,193	30,361	34,233	34,668	35,054	33,863	30,796	29,545	30,864	31,301
Telephone, telegraph	7,324	6,064	7,882	7,604	7,419	7,113	6,257	6,818	7,025	7,715
Other public utilities	24,869	24,297	26,350	27,064	27,635	26,750	24,539	22,727	23,859	23,586
Railroads	1,499	1,513	2,536	2,350	2,241	2,598	2,983	3,431	3,706	2,792
Electric light, power [4]	16,323	16,242	18,240	18,321	18,628	18,306	17,393	14,848	14,943	15,661
Gas	6,273	3,516	4,853	5,505	6,013	5,469	3,731	4,185	4,950	4,837
Petroleum pipelines	774	3,027	720	888	753	377	452	263	260	296
All other private	2,519	1,704	1,680	1,273	1,257	1,270	1,471	1,858	2,500	2,057
Public	74,650	69,387	61,624	61,928	57,016	53,809	53,377	55,287	58,175	64,046
Percent of total	26.9	27.1	19.8	22.1	21.3	21.8	19.5	17.9	17.9	18.5
Buildings	28,230	27,226	19,761	21,259	18,627	16,989	16,657	16,513	18,128	20,597
Housing, redevelopment	3,153	1,441	1,503	1,854	1,774	1,658	1,557	1,537	1,392	1,313
Industrial	845	1,224	1,418	1,660	1,738	1,631	1,743	1,686	1,767	1,451
Educational	15,043	13,810	8,778	9,255	7,067	5,924	5,176	5,122	6,014	7,382
Hospital	2,247	3,107	2,100	2,053	2,184	1,991	2,020	1,881	1,810	1,750
Other	6,943	7,643	5,962	6,438	5,863	5,785	6,061	6,287	7,145	8,702
Highways and streets	26,356	18,219	15,890	15,792	15,909	16,267	17,533	18,353	18,990	20,186
Military facilities	1,906	2,281	1,921	1,924	1,953	2,206	2,518	2,696	2,915	3,406
Conservation, development	5,153	5,429	5,771	5,771	5,536	5,026	4,780	4,541	4,554	4,424
Sewer systems	4,167	8,024	9,164	8,129	6,192	5,524	5,212	6,066	6,902	7,681
Water supply facilities	2,973	2,872	3,079	3,652	3,092	2,902	2,065	2,550	2,551	3,166
Miscellaneous	5,864	5,335	6,039	5,400	5,706	4,893	4,612	4,548	4,136	4,802

[1] Change from immediate prior year; except 1970, change from 1965. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Includes farm residential. [3] Excludes building by privately owned public utilities. [4] Office buildings included in "Other Commercial." [5] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1203. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1975 to 1986, and by Type of Project, 1986

[In billions of dollars]

CONSTRUCTION STATUS	1975	1979	1980	1981	1982	1983	1984	1985	1986				
									Total	Industrial	Office building	Other commercial	Other [1]
Value of projects—													
Started	20.1	49.0	48.3	65.8	55.5	63.3	84.7	90.8	89.7	11.1	25.4	30.6	22.7
Completed	28.0	40.1	48.4	52.7	56.3	60.3	68.2	82.8	99.3	14.4	34.1	29.2	21.6

[1] Privately owned hotels and motels, religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Digitized by Google

1204. Construction Contracts—Value of Construction and Floor Space of Buildings, by Class of Construction: 1975 to 1986

[des new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

YEAR	Total	Residential buildings	Nonresidential buildings								Nonbuilding construction
			Total	Commercial [1]	Manufacturing	Educational [2]	Hospital	Public buildings	Religious	Social and recreational [3]	
(bil. dol.)											
	92.7	31.3	31.6	9.2	6.8	5.9	3.7	2.1	.8	3.1	29.8
	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.9
	139.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	42.6
	159.9	74.9	45.0	20.6	8.2	5.7	3.9	1.5	1.2	3.0	39.9
	188.4	74.6	50.2	24.4	7.6	6.3	4.6	1.8	1.3	4.1	43.7
	148.4	63.7	52.5	24.8	8.4	6.8	5.3	1.6	1.2	4.4	32.2
	153.5	80.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	4.9	33.2
	156.2	59.2	59.6	28.2	9.5	6.1	7.8	1.9	1.2	4.8	37.4
	193.6	93.6	62.3	33.7	5.3	6.2	8.5	2.1	1.5	5.0	37.8
	211.5	101.4	74.3	42.1	7.3	7.7	7.2	2.7	1.7	5.7	35.8
	232.3	108.7	83.2	47.8	7.7	8.8	7.8	3.0	2.0	6.0	40.5
	243.3	120.6	81.3	44.7	6.5	10.5	7.8	3.0	2.1	6.7	41.3
SPACE (sq. ft.)											
	2,390	1,441	949	409	146	152	63	46	28	105	(x)
	2,819	1,867	952	440	152	116	71	42	31	99	(x)
	3,536	2,440	1,096	564	175	112	66	43	32	105	(x)
	4,101	2,815	1,286	758	219	104	53	22	35	96	(x)
	3,905	2,528	1,377	616	243	102	57	20	34	106	(x)
	3,092	1,892	1,200	688	216	95	54	18	28	101	(x)
	2,797	1,620	1,177	733	187	74	60	14	25	85	(x)
	2,442	1,497	945	571	119	74	70	19	25	68	(x)
	3,379	2,349	1,029	647	110	74	83	20	29	66	(x)
	3,635	2,396	1,238	808	147	90	70	23	29	71	(x)
	3,822	2,414	1,408	939	159	100	73	26	32	79	(x)
	3,864	2,537	1,327	855	141	116	73	28	33	81	(x)

f applicable. [1] Includes nonindustrial warehouses. [2] Includes science. [3] Includes miscellaneous.

: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge tion Potentials*.

No. 1205. Construction Contracts—Value, by State: 1980 to 1986

lions of dollars. See headnote, table 1204. Represents value of construction in States in which work was actually done]

1980	1984	1985	1986			STATE	1980	1984	1985	1986		
			Total (incl. nonbldg.)	Residential	Nonresidential					Total (incl. nonbldg.)	Residential	Nonresidential
148,393	**211,480**	**232,277**	**243,255**	**120,637**	**81,304**	MO	2,613	3,769	3,851	4,254	2,025	1,557
						MT	395	721	698	488	192	124
1,918	3,026	2,886	3,001	1,456	1,005	NE	830	1,140	1,040	1,021	428	305
706	1,804	1,500	1,182	267	480	NV	1,167	1,331	1,629	2,023	1,177	632
3,137	6,008	6,629	6,427	3,705	1,974	NH	477	1,040	1,355	1,600	1,079	327
1,324	1,697	1,649	1,499	739	426	NJ	3,790	6,427	6,077	6,678	4,300	3,166
17,668	27,409	32,456	36,925	21,211	11,698	NM	1,371	1,796	1,771	1,603	725	513
2,791	4,777	4,867	3,789	2,014	1,201	NY	5,860	9,475	11,366	11,991	5,108	4,158
1,440	2,784	3,385	4,018	2,096	1,324	NC	3,471	5,628	6,671	6,861	3,899	2,126
305	512	715	663	290	229	ND	456	574	557	483	199	150
510	792	985	1,150	214	736	OH	5,221	6,218	6,943	6,967	3,282	3,191
12,847	16,926	17,820	17,604	10,589	5,326	OK	2,300	3,297	2,650	2,132	937	743
3,939	6,601	7,566	9,111	4,867	2,786	OR	1,926	1,745	1,634	1,515	716	489
1,216	867	873	1,147	551	373	PA	5,246	6,700	7,008	8,498	3,736	2,621
635	618	758	859	268	235	RI	322	537	629	802	426	310
5,313	7,074	7,513	6,997	4,015	3,069	SC	2,522	2,895	3,446	3,206	1,760	1,032
2,775	3,458	4,045	4,756	2,097	1,864	SD	421	514	485	433	181	122
1,540	1,658	1,532	1,309	449	448	TN	2,789	4,257	4,394	4,511	2,408	1,407
1,887	2,329	2,227	2,234	1,001	751	TX	13,611	21,287	21,305	16,902	6,831	6,086
2,185	2,459	2,843	3,020	1,287	1,039	UT	1,116	1,601	1,633	1,619	758	630
3,270	4,321	3,869	3,110	1,101	1,126	VT	256	467	487	589	351	104
538	695	785	1,045	563	248	VA	3,451	6,578	7,586	8,626	4,479	3,040
3,062	4,734	5,703	6,305	3,224	1,995	WA	4,795	3,748	4,409	4,854	2,157	1,703
2,712	4,729	5,806	6,336	3,499	2,106	WV	855	822	858	973	238	273
4,174	4,899	5,827	6,971	3,090	2,932	WI	2,269	2,681	3,038	3,172	1,377	1,049
2,746	3,760	4,285	4,852	2,493	1,569	WY	644	580	693	466	108	108
1,561	1,740	1,543	1,495	692	489							

: W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge n Potentials*.

Digitized by Google

No. 1206. Value of Private Construction Authorized by Building Permits: 1977 to 1986

[In billions of dollars. "14,000, 18,000, and 17,000 places" series are based on U.S. total of approximately 14,000, 16,000, and 17,000 places identified in 1972, 1978, and 1984 respectively, with local building permit systems]

Type of construction	14,000 places		18,000 places							17,000 places		
	1977	1978	1978	1979	1980	1981	1982	1983	1984	1984	1985	1986
Total	82.9	96.6	101.6	107.4	102.1	103.7	98.5	127.5	153.4	156.0	170.5	184.2
Residential units	50.0	55.4	58.9	56.3	47.2	41.9	40.5	69.3	78.7	77.7	84.9	98.0
In structures with—												
1 unit	40.0	43.2	46.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3	59.5	73.7
2–4 units	2.6	3.0	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9	4.6	4.4
5 units or more	7.4	9.3	9.6	10.4	10.8	10.0	10.4	15.8	18.3	18.4	20.8	19.9
Nonhousekeeping residential buildings	1.0	1.3	1.3	1.8	1.8	2.0	2.8	3.1	3.7	3.7	3.9	4.0
Nonresidential buildings	23.7	30.8	32.2	38.3	34.8	39.3	34.8	37.0	48.7	47.2	52.7	50.8
Industrial buildings	5.5	7.4	7.8	9.3	8.0	7.9	6.1	5.8	9.1	9.2	9.5	9.7
Office buildings	4.3	6.6	6.6	9.1	9.9	14.6	12.9	12.8	15.9	18.1	18.1	14.8
Stores and other mercantile	5.7	7.3	7.6	9.0	6.7	8.2	5.5	7.4	9.8	9.9	12.0	12.1
Hospitals and other institutional	2.0	2.1	2.1	2.3	1.8	1.7	2.0	2.4	2.0	2.1	2.5	2.6
All other nonresidential	8.1	7.4	7.9	8.7	8.7	8.9	8.3	8.9	9.9	9.9	10.1	11.9
Additions and alterations	8.2	9.1	9.2	11.2	18.5	20.5	20.8	23.5	26.3	26.4	29.1	31.6

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*.

No. 1207. New Privately Owned Housing Units Authorized by State: 1985 and 1986

[Based on about 17,000 places in U.S. having building permit systems]

State	Housing units (1,000)			Valuation (mil. dol.)		
	1985	1986		1985	1986	
		Total	1 unit		Total	1 unit
U.S.	1,733.3	1,769.4	1,077.6	84,904	98,005	73,695
AL	17.2	19.2	11.5	537	686	526
AK	4.0	1.4	1.0	319	117	95
AZ	71.8	81.8	33.8	3,119	3,063	2,326
AR	9.9	8.7	5.1	388	378	291
CA	271.4	314.8	145.7	16,188	20,865	13,206
CO	32.8	31.0	20.4	1,570	1,627	1,315
CT	24.5	27.7	20.5	1,289	1,677	1,429
DE	4.6	5.5	4.2	202	235	204
DC	.6	.8	.1	24	21	8
FL	202.8	195.5	110.0	8,464	8,742	6,050
GA	73.1	76.9	50.7	3,130	3,868	3,126
HI	7.3	7.2	4.5	489	465	322
ID	4.3	3.8	2.9	217	217	190
IL	38.7	51.9	30.8	2,238	3,391	2,540
IN	23.0	29.7	17.2	1,100	1,578	1,251
IA	5.2	5.5	3.1	242	268	200
KS	13.3	13.1	7.3	609	782	598
KY	13.8	13.5	8.0	523	642	497
LA	18.8	10.5	8.8	804	557	501
ME	8.1	9.8	6.8	382	505	409
MD	42.1	42.4	34.3	1,919	2,269	2,029
MA	39.2	45.2	28.1	2,342	3,067	2,265
MI	37.6	47.2	27.0	1,829	2,437	1,819
MN	26.8	33.2	20.7	1,651	2,142	1,619
MS	8.8	8.3	5.9	352	356	303
MO	27.2	33.2	17.4	1,181	1,586	1,124
MT	2.0	1.2	.7	87	57	45
NE	5.0	5.2	3.2	221	252	202
NV	14.0	15.7	9.9	594	758	594
NH	17.8	18.0	12.3	892	1,113	894
NJ	55.0	57.4	42.8	3,130	3,550	2,808
NM	11.8	11.5	8.1	567	604	532
NY	61.9	60.2	41.3	3,573	3,730	2,875
NC	70.7	63.0	42.7	2,964	3,054	2,496
ND	2.8	1.7	.9	102	83	58
OH	33.0	44.5	25.8	1,724	2,537	1,969
OK	10.7	9.0	6.3	502	466	380
OR	11.3	10.7	7.0	590	626	526
PA	43.6	53.4	44.0	2,184	2,994	2,689
RI	5.4	7.3	4.7	241	350	280
SC	32.8	26.8	19.1	1,360	1,357	1,124
SD	2.5	2.0	1.3	91	81	63
TN	38.1	34.4	21.6	1,515	1,701	1,323
TX	143.1	96.7	59.1	6,720	5,180	4,266
UT	16.5	13.8	9.1	741	698	570
VT	4.1	4.5	3.5	218	267	224
VA	64.1	73.5	54.4	2,960	3,663	3,106
WA	35.5	36.4	19.3	1,794	2,043	1,437
WV	1.5	1.9	1.4	58	83	72
WI	20.2	21.8	13.2	917	1,130	854
WY	1.2	.9	.8	52	48	45

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual.

No. 1208. New Housing Units Started: 1960 to 1987

[Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156–159]

Year	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)
			Total	1-unit structures	
1960	1,296	[1] –16.8	1,252	995	44
1965	1,510	[2] –3.3	1,473	964	37
1966	1,196	–20.8	1,165	779	31
1967	1,322	10.5	1,292	844	30
1968	1,545	16.9	1,508	899	36
1969	1,500	–2.9	1,467	811	33
1970	1,469	–2.1	1,434	813	35
1971	2,085	41.9	2,052	1,151	32
1972	2,379	14.1	2,357	1,309	22
1973	2,057	–13.5	2,045	1,132	12
1974	1,353	–34.2	1,338	888	15
1975	1,171	–13.4	1,160	892	11
1976	1,548	32.2	1,538	1,162	10
1977	2,002	29.3	1,967	1,451	15
1978	2,036	1.7	2,020	1,433	16
1979	1,760	–13.6	1,745	1,194	15
1980	1,313	–25.4	1,292	852	20
1981	1,100	–16.2	1,084	705	16
1982	1,072	–2.6	1,062	663	10
1983	1,712	59.7	1,703	1,068	9
1984	1,756	2.6	1,750	1,084	6
1985	1,745	–.8	1,742	1,072	3
1986	1,807	3.6	1,805	1,179	2
1986, Jan.–July [3]	(NA)	(NA)	1,891	1,211	(NA)
1987, Jan.–July [3] [4]	(NA)	(NA)	1,692	1,194	(NA)

NA Not available. [1] Change from 1959. [2] Change from 1964. [3] Average seasonally adjusted annual rate.
[4] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

Digitized by Google

No. 1209. New Privately-Owned Housing Units Started—Selected Characteristics: 1970 to 1986

Thousands. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 156–163 and 170]

Year	Total units [1]	Structures with—			Region				Condominium units [2]			Type of assistance [3]	
		One unit	2–4 units	5 or more units	North-east	Mid-west	South	West	Total	Single-family	Multi-family	FHA	VA
	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)	421	61
	2,052	1,151	120	781	264	434	869	486	(NA)	(NA)	(NA)	528	94
	2,357	1,309	141	906	330	443	1,057	527	(NA)	(NA)	(NA)	371	104
	2,045	1,132	118	795	277	440	899	429	241	69	172	163	86
	1,338	888	68	382	183	317	553	285	175	46	130	95	73
	1,160	892	64	204	149	294	442	275	65	20	45	98	77
	1,538	1,162	86	289	189	400	569	400	95	30	64	144	100
	1,987	1,451	122	414	202	465	783	538	118	41	77	178	131
	2,020	1,433	125	462	200	451	824	545	156	42	114	178	127
	1,745	1,194	122	429	178	349	748	471	198	43	156	178	122
	1,292	852	110	331	125	218	643	306	186	35	150	177	95
	1,084	705	91	288	117	165	562	240	181	36	145	145	75
	1,062	663	80	320	117	149	591	205	170	40	130	152	73
	1,703	1,068	113	522	168	218	935	382	278	77	199	121	107
	1,750	1,084	121	544	204	243	866	436	291	96	194	63	97
	1,742	1,072	93	576	252	240	782	468	225	79	146	(NA)	(NA)
	1,805	1,179	64	542	294	296	733	483	214	80	134	(NA)	(NA)

Not available. [1] For 1970–1976, characteristics such as type of structure, and region, include data for publicly owned. [2] Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of ding or community, includes a small number of cooperatively-owned units. [3] Source: U.S. Department of Housing and levelopment, 1970–1979, *HUD Statistical Yearbook*; thereafter unpublished data.

e: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1210. New Privately-Owned Housing Units Started, by State: 1983 to 1986

[In thousands of units]

, Division and State	1983	1984	1985	1986, prel.
ed States	1,702.9	1,749.9	1,742.0	1,805.0
ast	167.8	203.7	252.0	293.0
it	218.1	244.7	240.0	296.0
	934.8	866.0	782.0	733.0
	382.2	435.5	468.0	483.0
land	59.0	76.4	95.0	110.0
	4.8	6.8	9.5	11.1
mpshire	7.9	12.5	15.7	17.8
t	5.1	7.4	5.1	5.9
husetts	22.4	26.5	36.5	42.1
sland	3.7	4.4	5.0	8.7
ticut	15.3	18.8	23.1	26.2
lantic	108.8	127.3	157.0	183.0
k	36.2	43.4	59.5	81.8
sey	36.7	43.7	50.6	60.2
ania	35.9	40.2	46.9	60.9
Central	127.3	141.4	148.0	198.0
	31.8	33.5	34.5	45.6
	20.2	23.5	22.8	31.1
	34.2	35.0	37.4	52.6
	23.4	30.1	34.8	46.4
n	17.9	19.3	18.7	22.2
h Central	90.7	103.3	92.0	98.0
a	28.2	30.4	29.0	33.3
	7.9	7.7	5.9	5.8
	22.5	30.8	31.7	35.2
kota	5.5	3.9	3.2	1.8
kota	3.1	4.5	2.5	2.2
	6.7	7.1	5.5	6.3
	16.8	18.9	14.1	13.4
ntic	430.5	479.7	486.0	521.0
	3.4	4.3	4.2	5.7

Region, Division and State	1983	1984	1985	1986, prel.
South Atlantic—Con.				
Maryland	36.0	36.9	40.0	44.2
District of Columbia	3	4	3	6
Virginia	53.8	62.8	60.3	77.3
West Virginia	2.5	2.8	2.0	3.2
North Carolina	53.8	62.7	73.2	71.7
South Carolina	28.3	33.1	33.0	29.1
Georgia	72.2	80.0	82.6	90.8
Florida	160.4	196.7	190.2	198.3
East South Central	84.0	92.1	93.0	84.0
Kentucky	14.9	15.7	16.5	15.8
Tennessee	37.5	42.4	42.9	38.2
Alabama	18.9	20.1	22.3	20.2
Mississippi	12.7	13.9	11.4	9.8
West South Central	420.4	294.1	203.0	128.0
Arkansas	12.5	12.7	13.6	11.0
Louisiana	40.2	30.8	21.2	11.7
Oklahoma	50.2	28.5	14.5	9.6
Texas	317.5	222.1	153.6	95.7
Mountain	161.3	172.0	157.0	145.0
Montana	2.6	3.4	3.1	1.8
Idaho	4.1	4.3	5.0	4.3
Wyoming	2.8	2.0	1.7	1.2
Colorado	50.0	41.9	34.8	32.3
New Mexico	11.1	18.2	12.2	11.7
Arizona	62.8	73.1	70.5	62.7
Utah	13.0	18.2	15.8	14.6
Nevada	15.1	12.9	13.7	16.2
Pacific	221.0	263.7	311.0	338.0
Washington	27.8	29.4	34.3	35.5
Oregon	8.9	8.8	10.4	10.1
California	166.5	212.9	253.6	284.1
Alaska	12.7	7.5	6.0	1.6
Hawaii	5.3	5.3	8.7	6.7

lational Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Fore-ice.

Digitized by Google

No. 1211. Characteristics of New Privately Owned One-Family Houses Completed: 1970 to 1986

[**Percent distribution, except as indicated.** Data beginning 1980 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported]

CHARACTERISTIC	1970	1980	1984	1985	1986
Total houses (1,000)	793	957	1,025	1,072	1,120
Financing	100	100	100	100	100
Mortgage	84	81	81	81	83
FHA-insured	30	16	13	15	20
VA-guaranteed	7	8	6	7	8
Conventional	47	55	61	57	54
Farmer's Home Administration		3	2	3	2
Cash or equivalent	16	18	19	19	16
Floor area	100	100	100	100	100
Under 1,200 sq. ft.	36	21	19	20	17
1,200–1,599 sq. ft.	28	29	30	30	30
1,600–1,999 sq. ft.	16	22	21	21	21
2,000–2,399 sq. ft.	21	13	12	12	14
2,400 sq. ft. and over		15	17	17	18
Average (sq. ft.)	1,500	1,740	1,700	1,785	1,825
Median (sq. ft.)	1,385	1,595	1,605	1,605	1,660
Number of stories	100	100	100	100	100
1	74	60	54	52	51
2 or more	17	31	40	42	44
Split level	10	8	6	6	5
Foundation	100	100	100	100	100
Full or partial basement	37	36	32	35	37
Slab	36	45	50	48	45
Crawl space	27	19	18	18	18

CHARACTERISTIC	1970	1980	1984	1985	1986
Bedrooms	100	100	100	100	100
2 or less	13	17	24	25	23
3	63	63	58	57	59
4 or more	24	20	18	18	18
Bathrooms	100	100	100	100	100
1 or less	32	18	14	13	10
1½	20	10	10	11	9
2	32	48	48	48	47
2½ or more	16	25	28	29	33
Heating fuel	100	100	100	100	100
Electricity	28	50	48	44	44
Gas	62	41	45	49	47
Oil	8	3	2	3	3
Other	1	5	5	4	4
Heating system	100	100	100	100	100
Warm air furnace	71	57	55	54	54
Electric heat pump	(NA)	24	30	30	29
Other	29	19	15	16	17
Central air-conditioning	100	100	100	100	100
With	34	63	71	70	69
Without	66	37	29	30	31
Fireplaces	100	100	100	100	100
No fireplace	65	43	41	41	39
1 or more	35	56	59	58	62
Parking facilities	100	100	100	100	100
Garage	58	69	68	70	71
Carport	17	7	5	5	4
No garage or carport	25	24	25	25	25

NA Not available.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1212. New Privately Owned One-Family Houses Sold, by Region and Type of Financing: 1970 to 1986, and by Sales Price Group, 1986

[**In thousands.** Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover]

YEAR AND SALES-PRICE GROUP	Total sales	REGION				FINANCING TYPE			
		Northeast	Midwest	South	West	Conventional	FHA and VA	Farmers Home Administration	Cash
1970	485	61	100	203	121	[1] 213	244	(1)	27
1971	656	82	127	270	176	[1] 314	314	(1)	29
1972	718	96	130	305	187	[1] 447	242	(1)	30
1973	634	95	120	257	161	[1] 465	134	(1)	34
1974	519	69	103	207	139	[1] 378	112	(1)	29
1975	549	71	106	222	150	363	122	43	22
1976	646	72	128	247	199	458	134	23	31
1977	819	86	162	317	255	592	186	24	38
1978	817	78	145	331	262	575	174	26	41
1979	709	67	112	304	225	469	186	18	36
1980	545	50	81	267	145	302	196	14	32
1981	436	46	60	219	112	244	142	14	36
1982	412	47	48	219	99	193	173	11	34
1983	623	76	71	323	152	350	217	8	48
1984	639	94	76	309	160	423	149	9	58
1985	688	112	82	323	170	403	208	11	64
1986 total	750	136	96	322	196	411	268	12	59
Under $50,000	36	(B)	5	25	6	13	(B)	9	3
$50,000 to $59,999	51	4	9	31	8	18	28	(B)	4
$60,000 to $69,999	86	6	12	53	16	30	51	(B)	6
$70,000 to $79,999	96	7	13	51	26	32	58	(B)	5
$80,000 to $99,999	165	24	22	66	52	67	83	(B)	14
$100,000 to $119,999	92	21	10	33	27	61	24	(B)	-
$120,000 to $149,999	83	20	11	26	26	64	9	(B)	9
$150,000 and over	140	53	14	37	36	126	(B)	(B)	11

B Base figure to small to meet statistical standards for reliability. [1] Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

Digitized by Google

No. 1213. Median Sales Price of New Privately Owned One-Family Houses Sold, by Region: 1970 to 1986

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
1970	23,400	30,300	24,400	20,300	24,000	1980	64,600	69,500	63,400	59,600	72,300
1971	25,200	30,600	27,200	22,500	25,500	1981	68,900	76,000	65,900	64,400	77,800
1972	27,600	31,400	29,300	25,800	27,500	1982	69,300	78,200	68,900	66,100	75,000
1973	32,500	37,100	32,900	30,900	32,400	1983	75,300	82,200	79,500	70,900	80,100
1974	35,900	40,100	36,100	34,500	35,800	1984	79,900	88,600	85,400	72,000	87,300
1975	39,300	44,000	39,600	37,300	40,600	1985	84,300	103,300	80,300	75,000	92,600
1976	44,200	47,300	44,800	40,500	47,200	1986 [1]	92,000	125,000	88,300	80,200	95,700
1977	48,800	51,600	51,500	44,100	53,500						
1978	55,700	58,100	59,200	50,300	61,300						
1979	62,900	65,500	63,900	57,300	69,600						

[1] 1987, U.S. total: 1st qtr., $97,900, 2d qtr., $104,000.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

No. 1214. New Mobile Homes Placed for Residential Use and Average Sales Price, by Region: 1974 to 1986

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, inside front cover]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE ($1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1974	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
1975	229.3	14.7	48.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
1976	249.6	16.8	51.5	114.6	66.5	12.3	11.6	11.6	10.6	16.0
1977	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
1978	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.6
1979	279.9	16.9	47.3	145.2	70.5	17.6	15.6	16.1	15.6	23.1
1980	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
1981	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
1982	234.1	12.4	25.6	161.1	35.0	19.7	19.6	20.0	18.5	24.7
1983	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
1984	267.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4
1985	263.4	20.2	38.6	187.6	36.9	21.6	22.7	21.5	20.4	26.7
1986	256.1	21.2	37.2	162.3	35.4	22.4	24.4	21.6	20.7	29.9

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1215. Existing One-Family Houses Sold and Price, by Region: 1970 to 1986

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	HOUSES SOLD (1,000)					MEDIAN SALES PRICE ($1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1970	1,612	251	501	568	292	23.0	25.2	20.1	22.2	24.3
1971	2,016	311	583	735	369	24.8	27.1	22.1	24.3	26.5
1972	2,252	361	630	788	473	26.7	29.6	23.9	26.4	28.4
1973	2,334	367	674	847	446	28.9	32.6	25.3	29.0	31.0
1974	2,272	354	645	839	434	32.0	35.8	27.7	32.3	34.8
1975	2,476	370	701	862	543	35.3	39.3	30.1	34.8	39.6
1976	3,064	439	861	1,033	712	38.1	41.8	32.9	36.5	46.1
1977	3,650	515	1,101	1,231	803	42.9	44.4	36.7	39.8	57.3
1978	3,986	516	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
1979	3,827	526	1,061	1,353	887	55.7	53.6	47.6	51.3	77.4
1980	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	89.3
1981	2,419	353	632	917	516	66.4	63.7	54.3	64.4	96.2
1982	1,990	354	490	780	366	67.8	63.5	55.1	67.1	98.9
1983	2,719	493	709	1,095	481	70.3	72.2	56.6	69.2	94.9
1984	2,868	511	755	1,073	529	72.4	78.7	57.1	71.3	95.6
1985	3,214	622	866	1,172	554	75.5	86.9	58.9	75.2	95.4
1986	3,565	703	991	1,261	610	80.3	104.6	63.5	78.2	100.9

Source: National Association of Realtors®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

Digitized by Google

NO. 1216. MEDIAN SALES PRICE OF EXISTING ONE-FAMILY HOMES, BY SELECTED METROPOLITAN AREA: 1984 TO 1987

[In thousands of dollars. Areas are metropolitan statistical areas (MSA's) except as indicated; for definitions and components, see Appendix II]

METROPOLITAN AREA	1984	1985	1986	1987, 2nd qtr.
U.S., all areas	**72.4**	**75.5**	**80.3**	(NA)
Akron, OH PMSA	50.4	52.7	56.2	56.9
Albany-Schenectady-Troy, NY	52.9	60.3	72.7	86.5
Albuquerque NM	73.4	76.8	81.8	82.5
Anaheim-Santa Ana, CA PMSA	133.7	136.2	147.7	167.3
Baltimore, MD	86.1	72.8	74.0	77.8
Baton Rouge, LA	73.5	74.6	70.9	68.1
Birmingham, AL	85.1	64.5	68.3	72.7
Boston, MA PMSA	100.0	134.2	159.2	175.8
Buffalo-Niagara Falls, NY CMSA	44.6	46.7	52.4	57.0
Chicago, IL PMSA	79.5	81.1	86.1	90.9
Cincinnati, OH-KY-IN PMSA	58.9	60.2	(NA)	65.9
Cleveland, OH PMSA	62.7	64.4	66.9	(NA)
Columbus OH	59.9	62.2	65.5	67.2
Dallas–Ft. Worth, TX CMSA	82.2	87.7	92.6	90.0
Denver, CO PMSA	82.7	84.3	86.4	87.5
Des Moines, IA	52.4	52.5	55.9	56.8
Detroit, MI PMSA	48.5	51.7	58.1	66.6
El Paso, TX	57.8	57.8	59.0	58.0
Ft. Lauderdale-Hollywood-Pompano Beach, FL PMSA	73.1	74.6	77.7	79.7
Grand Rapids, MI	42.8	46.7	50.4	53.4
Hartford, CT PMSA	87.4	99.6	129.0	157.0
Houston, TX PMSA	77.6	78.8	69.9	67.4
Indianapolis, IN	53.1	55.0	59.0	63.8
Jacksonville, FL	55.7	58.4	62.8	66.8
Kansas City, MO-KS	59.1	61.4	65.4	71.1
Las Vegas, NV	76.3	75.1	77.5	77.9
Los Angeles-Long Beach, CA PMSA	115.3	(NA)	126.8	139.8
Louisville, KY-IN	48.9	50.6	51.7	53.4
Memphis, TN-AR-MS	64.1	64.6	70.8	76.9
Miami-Hialeah, FL PMSA	79.5	80.5	81.1	84.4
Milwaukee, WI PMSA	66.2	67.5	69.9	71.7
Minneapolis-St. Paul, MN-WI	74.0	75.2	77.9	80.2
Nashville-Davidson, TN	62.9	66.1	70.8	75.9
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	105.3	134.0	160.8	183.0
Oklahoma City, OK	63.9	64.7	63.0	65.2
Omaha NE-IA	56.2	58.3	58.8	60.8
Orlando, FL	70.1	70.3	72.5	76.4
Philadelphia, PA-NJ PMSA	65.2	70.8	74.5	84.4
Phoenix, AZ	74.7	74.7	78.4	81.4
Portland, OR PMSA	62.9	61.5	62.6	64.3
Providence, RI PMSA	59.6	67.5	87.8	109.8
Rochester, NY	59.7	64.2	66.3	72.3
St. Louis, MO-IL	61.8	65.7	70.9	74.7
Salt Lake City-Ogden, UT	65.6	66.7	68.5	68.4
San Antonio, TX	67.5	67.7	69.2	73.2
San Diego, CA	100.2	106.4	118.2	127.1
San Francisco-Oakland-San Jose, CA CMSA	129.9	(NA)	(NA)	(NA)
Syracuse, NY	50.7	58.8	64.3	68.1
Tampa-St. Petersburg-Clearwater, FL	56.4	56.4	61.1	65.7
Toledo, OH	50.7	51.9	56.0	58.2
Tulsa, OK	67.3	66.7	65.5	67.4
Washington, DC-MD-VA	93.0	97.1	101.2	120.4
West Palm Beach-Boca Raton-Delray Beach, FL	84.8	86.3	90.1	104.3

NA Not available.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

NO. 1217. EXISTING HOME SALES, BY STATE: 1982 TO 1986

[In thousands. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1982	1983	1984	1985	1986
U.S.[1]	**2,120.0**	**2,924.0**	**3,098.0**	**3,493.0**	**3,897.0**
Regions:[1]					
Northeast	399.3	573.5	609.4	756.3	845.4
Midwest	519.7	756.9	805.6	917.1	1,042.6
South	819.3	1,086.1	1,127.8	1,236.9	1,323.9
West	436.9	611.6	660.2	703.6	792.0
N.E.	**98.7**	**155.2**	**170.4**	**206.0**	**210.7**
ME	14.8	21.0	23.3	27.1	30.8
NH	7.9	15.2	16.9	19.3	17.4
VT	6.0	7.4	8.2	9.9	12.4
MA	42.5	65.0	66.5	80.5	84.6
RI	6.2	8.8	11.0	13.2	13.5
CT	21.3	37.8	44.5	56.0	52.0
M.A.	**300.6**	**418.3**	**439.0**	**550.3**	**634.7**
NY	120.9	148.5	148.9	190.7	216.8
NJ	73.0	112.9	119.7	148.8	159.6
PA	106.7	156.9	170.4	210.8	258.3
E.N.C.	**333.4**	**490.5**	**520.7**	**625.8**	**708.7**
OH	83.0	129.1	138.3	162.5	179.9
IN	41.4	57.2	64.5	90.1	86.1
IL	80.0	115.3	122.5	140.5	179.2
MI	94.8	135.1	139.4	167.2	186.6
WI	34.2	53.8	56.0	65.5	76.9
W.N.C.	**186.3**	**266.4**	**284.9**	**291.3**	**333.9**
MN	44.3	58.6	65.5	73.9	96.8
IA	28.6	39.1	41.9	39.5	46.1
MO	46.4	72.1	81.0	85.8	88.4
ND	6.4	9.4	10.0	8.9	9.5
SD	8.6	13.3	11.8	11.3	13.2
NE	16.6	24.6	24.9	24.5	25.5
KS	33.4	49.3	49.8	47.4	54.4
S.A.	**386.1**	**524.3**	**564.2**	**640.3**	**723.3**
DE	7.3	9.3	10.0	12.3	12.9
MD	43.8	60.8	66.8	80.9	96.8
DC	5.5	7.5	7.8	9.9	11.8
VA	71.3	103.1	98.1	107.2	130.4
WV	21.9	32.2	34.8	37.7	39.7
NC	70.0	93.0	103.2	123.3	139.2
SC	30.2	39.7	48.0	52.6	58.1
GA	35.6	51.0	60.1	65.1	75.1
FL	100.3	127.7	137.6	151.3	169.4
E.S.C.	**138.8**	**202.0**	**221.3**	**252.1**	**285.8**
KY	37.1	56.5	57.3	57.7	58.9
TN	46.8	71.1	78.7	99.2	112.2
AL	31.9	41.8	53.3	59.7	60.9
MS	23.0	32.6	32.0	35.5	34.2
W.S.C.	**294.4**	**361.8**	**342.3**	**344.5**	**335.1**
AR	31.3	43.0	43.4	49.8	52.8
LA	45.7	63.0	50.3	44.1	34.8
OK	52.1	84.7	51.9	46.8	40.4
TX	165.3	191.1	196.7	203.8	196.9
Mt.	**136.6**	**169.2**	**181.3**	**195.4**	**196.7**
MT	9.3	12.4	12.4	11.1	11.9
ID	9.3	11.3	12.3	11.5	11.3
WY	5.1	5.5	8.2	6.5	6.1
CO	38.4	46.1	47.1	49.3	47.5
NM	15.9	18.3	19.1	19.8	19.9
AZ	37.9	50.7	59.8	71.7	73.0
UT	12.5	14.7	15.0	15.5	14.8
NV	8.2	10.2	9.4	10.0	11.5
Pac.	**300.3**	**442.4**	**478.9**	**508.2**	**586.3**
WA	33.7	44.9	44.9	43.8	52.8
OR	24.4	34.4	35.7	39.3	45.0
CA[2]	233.8	343.2	388.1	407.2	484.6
AK	4.3	12.1	9.2	10.0	6.1
HI	4.1	7.8	7.0	7.9	10.0

[1] U.S. and region totals are derived independently and therefore are not equal to the sum of the States. [2] Provided by the California Association of Realtors®.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

Digitized by Google

No. 1218. New Apartments Completed and Rented in 3 Months, by Region: 1980 to 1986

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For composition of regions, see fig. I, inside front cover]

Year and rent	Number (1,000)					Percent rented in 3 months				
	Total	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West
1980	196.1	14.2	43.8	91.5	46.6	75	77	77	74	75
1981	135.3	4.9	36.9	68.4	25.1	80	85	86	78	75
1982	117.0	4.6	21.9	66.8	23.7	72	74	79	70	72
1983	191.5	3.5	41.1	115.1	31.8	69	73	86	63	69
1984	313.2	3.8	41.2	194.4	73.9	67	64	79	63	70
1985	365.2	8.1	54.0	166.1	137.0	65	69	72	59	68
1986	**408.0**	**17.0**	**64.1**	**171.7**	**155.1**	**66**	**70**	**70**	**62**	**68**
Less than $300	30.6	3.5	7.9	14.9	4.3	70	69	75	70	65
$300–$349	34.3	.6	7.5	15.1	11.2	71	57	84	64	74
$350–$399	67.1	(Z)	11.7	35.6	19.7	64	(Z)	64	64	64
$400–$449	64.3	.4	8.2	31.2	24.5	65	37	68	63	67
$450–$499	61.6	1.0	7.7	29.6	23.3	64	68	71	61	64
$500 or more	150.2	11.6	21.0	45.4	72.2	66	72	67	60	69

Z Less than 50 or .5 percent.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-131, and unpublished data.

No. 1219. Gross Housing Product—Summary: 1970 to 1986

[**In billions of dollars.** For definition of current and constant dollars, see Guide to Tabular Presentation]

Item	Current dollars						Constant (1982) dollars					
	1970	1980	1983	1984	1985	1986	1970	1980	1983	1984	1985	1986
Total value of housing output [1]	90.5	251.2	330.8	356.7	386.7	420.4	207.4	299.9	312.6	320.0	327.9	336.9
Nonfarm housing	87.3	240.1	318.6	344.5	375.7	410.5	189.1	285.6	300.3	307.9	316.2	325.5
Owner-occupied	61.3	178.3	233.9	252.3	272.7	296.0	132.8	212.0	220.5	226.1	230.5	236.0
Tenant-occupied	26.0	61.9	84.7	92.2	103.0	114.5	56.2	73.6	79.6	81.8	85.7	89.5
Farm housing	3.3	11.0	12.1	12.2	10.9	9.9	18.3	14.3	12.5	12.1	11.7	11.4
Less: Intermediate goods and services consumed	*12.7*	*47.2*	*57.2*	*61.1*	*62.9*	*65.0*	*29.9*	*56.4*	*54.1*	*54.9*	*53.4*	*52.1*
Equals: Gross housing product	77.8	204.0	273.6	295.6	323.8	355.4	177.5	243.5	258.7	265.2	274.5	284.7

[1] Equals personal consumption expenditures (see text, section 14) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 1220. Residential Capital—Stocks and Average Age: 1960 to 1986

[As of **Dec. 31.** Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 849]

Item	Current dollars (bil. dol.)					Constant (1982) dollars (bil. dol.)					Average age [1] (years)				
	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986	1960	1970	1980	1985	1986
Gross stocks [2]	688	1,220	4,164	5,517	5,914	2,454	3,319	4,484	5,008	5,160	27.2	25.1	23.7	24.0	23.9
Private nonfarm:															
1–4 units	572	983	3,331	4,401	4,721	2,056	2,689	3,572	3,985	4,107	26.6	25.7	24.5	24.8	24.7
5 or more units	49	125	508	696	756	174	343	543	631	657	26.3	18.1	17.6	16.5	18.4
Farm (1–4 units)	42	55	134	152	156	153	150	145	137	136	43.7	43.9	42.8	42.9	42.9
Private nonhousekeeping	5	10	24	27	28	16	27	25	25	25	21.8	14.6	19.3	21.8	22.3
Mobile homes	4	14	73	91	93	6	29	77	89	89	4.7	4.7	7.1	8.2	8.3
Public: Federal, State and local	12	25	65	112	120	42	68	91	101	104	11.2	14.9	19.6	21.7	22.0
Net stocks [2] [3]	436	791	2,734	3,559	3,824	1,555	2,151	2,929	3,230	3,334	17.5	16.5	16.2	16.8	16.7
Private nonfarm:															
1–4 units	371	639	2,187	2,857	3,072	1,333	1,748	2,345	2,587	2,672	17.1	17.2	16.8	17.4	17.3
5 or more units	28	88	363	487	529	102	243	387	441	459	18.6	11.1	12.5	13.6	13.7
Farm (1–4 units)	19	24	57	64	65	70	64	62	58	57	29.5	28.8	26.4	26.4	26.5
Private nonhousekeeping	2	6	12	13	13	8	18	13	11	11	12.7	9.0	16.0	18.3	18.6
Mobile homes	3	10	41	47	47	4	21	43	46	45	3.5	3.3	5.3	5.6	5.6
Public: Federal, State and local	10	18	57	72	77	34	51	61	65	67	9.9	12.7	16.2	17.6	17.7

[1] Constant-dollar stocks. [2] Includes equipment, not shown separately. [3] Based on straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987, and *Fixed Reproducible Tangible Wealth in the United States, 1925–85*.

Digitized by Google

NO. 1221. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960 TO 1983

[In thousands, except as indicated. As of April, except 1983 as of fall. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	1960	1970	1980	1983				
				Total	Regions			
					Northeast	Midwest	South	West
All housing units	**58,326**	**68,672**	**88,411**	**93,519**	**20,053**	**23,874**	**31,150**	**18,443**
All year-round units	56,584	67,699	86,693	91,675	19,352	23,421	30,700	18,201
Occupied units	53,024	63,445	80,390	84,638	18,221	21,618	27,931	16,868
Owner occupied	32,797	39,886	51,795	54,724	11,009	14,935	18,825	9,955
Percent of all occupied	61.9	62.9	64.4	64.7	60.4	69.1	67.4	59.0
Renter occupied	20,227	23,560	28,595	29,914	7,212	6,683	9,106	6,912
Vacant year-round	3,560	4,254	6,303	7,037	1,131	1,803	2,769	1,334
For sale only	522	501	948	955	120	275	364	196
Homeowner vacancy rate	1.6	1.2	1.8	1.7	1.1	1.8	1.9	1.9
For rent	1,453	1,666	2,179	1,906	303	470	753	381
Rental vacancy rate	6.7	6.8	7.1	5.9	4.0	6.4	7.5	5.1
Other vacant	1,084	2,087	3,176	4,176	708	1,058	1,652	756
Vacant, seasonal and migratory	1,742	973	1,718	1,845	700	453	450	241
Cooperatives and condominiums:								
Owner occupied	(NA)	(NA)	(NA)	1,749	422	341	496	489
Cooperatives	(NA)	(NA)	(NA)	360	227	58	35	40
Condominiums	(NA)	(NA)	1,225	1,389	195	284	461	449
Vacant for sale only	(NA)	(NA)	(NA)	145	14	25	65	41
Public or subsidized housing: [1]								
Units in public housing project	(NA)	(NA)	(NA)	2,160	639	525	707	309
Private housing unit with government rent subsidy	(NA)	(NA)	(NA)	1,199	361	252	293	273
Units in structure [2] —								
1-unit	43,758	46,791	57,183	61,482	10,884	16,546	22,296	11,754
Percent of total units	77.3	69.1	65.9	67.1	56.2	70.6	72.6	64.8
2-4 units	7,552	9,007	9,682	11,373	3,847	2,969	2,516	2,041
5 or more units	6,236	9,829	15,479	14,820	4,274	3,149	4,028	3,369
Mobile home or trailer	767	2,073	4,416	3,999	348	756	1,858	1,037
Year structure built: [3]								
April 1970 or later	(x)	(x)	[3] 22,744	23,686	2,633	4,926	10,301	5,827
1960–March 1970	(x)	16,956	[4] 17,087	18,144	3,082	4,242	6,763	4,056
1950–1959	16,046	14,499	14,871	14,331	2,628	3,544	5,013	3,147
1940–1949	8,640	8,788	9,642	8,101	1,549	1,782	3,051	1,719
1939 or earlier	33,632	27,458	22,414	27,413	9,461	8,927	5,573	3,452
Percent built prior to 1940	57.7	40.6	25.8	29.9	48.9	38.1	18.2	19.0
Units with [5] —								
1-3 rooms	11,400	11,026	13,598	13,533	3,498	2,768	3,834	3,433
4 rooms	12,435	14,113	16,969	17,826	3,409	4,100	6,356	3,961
5 rooms	14,323	16,998	20,017	21,937	3,812	5,909	8,160	4,056
6 rooms	11,141	13,609	16,945	18,324	3,869	4,940	6,330	3,184
7 or more rooms	9,020	11,950	19,164	20,053	4,764	5,703	6,020	3,566
Median number of rooms	4.9	5.0	5.1	5.1	5.2	5.3	5.1	4.8
Persons per unit (median):								
Owner occupied	3.1	3.0	2.6	2.5	2.7	2.6	2.5	2.4
Renter occupied	2.6	2.3	2.0	2.0	2.0	1.9	2.2	2.1
Units lacking some or all plumbing facilities [2]	7,899	4,398	2,334	2,233	371	463	1,174	225
Percent	13.2	6.5	2.7	2.4	1.9	2.0	3.8	1.2
Percent of units with—								
Telephone [6]	78.5	87.0	93.0	90.4	91.3	92.2	88.3	90.6
Air conditioning [7]	12.4	36.7	55.0	59.1	46.8	61.7	78.2	37.2
Central system [8]	1.9	10.7	27.5	29.2	9.6	29.5	45.4	23.0
Public sewer [2]	(NA)	70.2	74.1	74.3	76.9	76.5	65.6	80.3
Public or private company water [1]	(NA)	81.7	83.6	84.4	85.8	81.0	81.5	92.1
Year householder moved into unit:								
April 1970 or later	(NA)	(NA)	(NA)	61,655	12,038	15,259	20,665	13,693
1965–March 1970	(NA)	(NA)	(NA)	7,004	1,698	1,852	2,325	1,129
1960–1964	(NA)	(NA)	(NA)	5,090	1,301	1,379	1,643	768
1950–1959	(NA)	(NA)	(NA)	6,397	1,827	1,812	1,911	847
1949 or earlier	(NA)	(NA)	(NA)	4,493	1,358	1,316	1,367	453

NA Not available X Not applicable [1] Refers to specified renter-occupied units. [2] For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970, 1980, and 1983 all year-round units. For 1960 and 1983, air conditioning based on occupied housing units. [3] January 1970 or later. [4] 1960 to 1969. [5] Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. 1; *1980 Census of Housing*, vol. 1, chapters A and B and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

Digitized by Google

No. 1222. Housing Units—Selected Characteristics, by State: 1980

(As of April 1)

State	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS										
		Total (1,000)	Percent with—			Occupied housing units						
			Structure built				Percent—					
			1970 to March 1980	1939 or earlier	5 or more units in structure	Total (1,000)	Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980	Median value (dol.) specified owner [1]	Median selected monthly owner costs [2] (dol.)	Median gross rent [3] (dol.) specified renter [4]
United States	**88,411**	**86,759**	**25.9**	**26.1**	**17.5**	**80,390**	**64.4**	**4.5**	**22.8**	**47,200**	**365**	**243**
Alabama	1,467	1,451	30.9	16.3	9.1	1,342	70.1	5.4	20.8	33,900	295	188
Alaska	153	154	52.7	4.7	22.1	131	58.3	10.1	38.6	76,300	640	368
Arizona	1,111	1,072	48.6	5.6	16.3	957	68.3	7.2	32.5	54,800	365	263
Arkansas	899	889	32.9	17.3	7.2	816	70.5	5.2	23.1	31,100	280	185
California	9,279	9,223	27.2	14.7	24.0	8,630	55.9	7.4	28.0	84,500	411	283
Colorado	1,194	1,170	39.1	18.0	21.4	1,061	64.5	2.6	33.0	64,100	422	252
Connecticut	1,159	1,145	18.1	32.0	17.5	1,094	63.9	2.6	18.1	65,600	434	261
Delaware	239	230	25.7	20.8	16.7	207	69.1	2.6	21.1	44,400	351	247
District of Columbia	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
Florida	4,379	4,279	43.9	8.7	23.7	3,744	68.3	5.3	26.6	45,100	337	256
Georgia	2,028	2,014	33.3	14.7	14.0	1,872	65.0	5.3	23.9	36,900	340	211
Hawaii	334	332	38.9	10.5	38.1	294	51.7	15.3	26.6	116,100	463	311
Idaho	375	360	38.4	21.9	8.6	324	72.0	4.5	28.8	45,600	332	219
Illinois	4,320	4,304	19.4	34.7	22.3	4,045	62.6	4.2	20.6	52,800	406	246
Indiana	2,092	2,065	22.0	32.1	10.8	1,927	71.7	3.1	21.0	37,200	304	219
Iowa	1,131	1,121	20.5	44.4	10.2	1,053	71.6	2.1	20.6	40,600	348	225
Kansas	955	951	22.7	33.6	9.7	872	70.2	2.4	24.0	37,800	330	219
Kentucky	1,369	1,355	28.7	24.7	10.1	1,263	70.0	4.7	21.2	34,200	298	198
Louisiana	1,548	1,537	30.6	15.9	11.1	1,412	65.5	7.1	23.2	43,000	313	214
Maine	501	428	23.2	47.5	10.0	395	70.9	3.1	20.1	37,900	317	216
Maryland	1,571	1,550	23.6	22.4	22.4	1,461	62.0	3.1	20.6	58,300	413	266
Massachusetts	2,208	2,141	15.4	47.3	20.5	2,033	57.5	2.6	18.2	48,400	424	255
Michigan	3,590	3,451	22.1	27.6	12.5	3,195	72.7	3.1	20.0	39,000	363	250
Minnesota	1,613	1,530	25.2	33.3	17.3	1,445	71.7	2.3	21.8	53,100	375	236
Mississippi	912	905	32.5	15.6	8.0	827	71.0	6.0	20.4	31,400	284	180
Missouri	1,989	1,963	23.9	29.4	11.4	1,793	69.6	3.4	21.3	36,700	317	211
Montana	328	315	30.7	30.3	9.9	284	68.6	3.6	27.8	46,500	347	200
Nebraska	625	619	23.8	36.9	12.3	571	68.4	2.1	22.9	38,000	359	213
Nevada	340	338	51.8	5.7	23.2	304	59.6	4.7	37.7	66,700	454	310
New Hampshire	366	349	27.5	39.0	14.3	323	67.6	2.4	22.0	48,000	408	251
New Jersey	2,772	2,690	16.1	33.4	20.9	2,549	62.0	3.5	16.7	60,200	458	270
New Mexico	508	493	36.5	11.6	12.2	441	68.1	8.6	29.5	45,300	324	216
New York	6,868	6,706	11.9	43.3	35.6	6,340	48.6	4.9	17.1	45,600	430	249
North Carolina	2,275	2,224	32.0	17.3	8.5	2,043	68.4	4.5	20.6	36,000	320	205
North Dakota	259	253	30.9	34.9	14.3	228	68.7	2.7	24.6	43,900	392	206
Ohio	4,108	4,078	20.0	32.6	14.1	3,834	68.4	2.5	20.2	44,900	347	224
Oklahoma	1,237	1,230	30.0	20.2	10.1	1,119	70.7	3.7	26.4	35,800	305	214
Oregon	1,083	1,072	34.2	20.6	15.1	992	65.1	2.9	29.6	56,900	371	257
Pennsylvania	4,596	4,513	16.4	44.6	12.2	4,220	69.9	2.4	15.8	39,100	336	225
Rhode Island	373	363	16.1	43.0	16.4	339	58.6	2.5	19.6	46,800	391	222
South Carolina	1,154	1,123	34.4	15.2	8.4	1,030	70.2	6.0	20.6	35,100	312	206
South Dakota	277	270	26.6	40.7	11.2	243	69.3	3.6	23.5	36,600	352	188
Tennessee	1,747	1,737	31.1	16.7	11.5	1,619	68.6	4.4	22.0	35,600	299	203
Texas	5,549	5,485	35.2	12.2	16.4	4,929	64.3	7.2	29.1	39,100	348	245
Utah	490	481	37.7	18.6	12.5	449	70.7	5.6	28.8	57,300	381	235
Vermont	223	196	24.4	46.9	9.4	178	68.7	2.5	21.6	42,200	336	226
Virginia	2,021	2,000	30.9	17.7	16.2	1,863	65.6	3.4	23.3	48,000	395	259
Washington	1,669	1,652	32.0	21.3	17.2	1,541	65.6	2.9	29.0	59,900	362	254
West Virginia	748	737	24.9	34.2	6.2	686	73.6	4.1	18.0	38,500	290	195
Wisconsin	1,864	1,756	23.1	36.6	12.3	1,652	68.2	2.4	20.7	48,600	361	234
Wyoming	188	182	40.4	22.6	10.0	166	69.2	4.2	34.2	59,800	397	252

[1] "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. [2] "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). [3] "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. [4] "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A and HC80-1-B).

Digitized by Google

NO. 1223. OCCUPIED HOUSING UNITS—TENURE, BY RACE OF HOUSEHOLDER: 1920 TO 1983

[**In thousands, except as indicated.** As of **April 1**, except **1983**, as of **fall.** Prior to 1960, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1983. For 1920, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 238–245]

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1983
ALL RACES								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	84,638
Owner occupied	11,114	14,280	15,196	23,560	32,797	39,886	51,795	54,724
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	64.7
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	29,914
WHITE								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,606	68,810	72,562
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,671	49,144
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	67.7
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	23,418
BLACK AND OTHER								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	12,076
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	5,580
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	46.2
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,496

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; *1980 Census of Housing*, vol. 1, chapter A (HC80–1–A); and *Current Housing Reports*, series H–150–83, Annual Housing Survey: 1983, part A.

NO. 1224. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY: 1970 TO 1983

[**In thousands, except as indicated.** See headnote, table 1221. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 302–307]

CHARACTERISTIC	1970	1980	1983				
			Total	Region			
				Northeast	Midwest	South	West
Occupied units, total	**63,450**	**80,390**	**84,638**	**18,221**	**21,618**	**27,931**	**16,864**
Mortgaged	(NA)	25,483	27,758	5,112	7,410	9,317	5,919
Percent	(NA)	64.6	63.8	58.9	62.2	62.5	73.6
Not mortgaged	(NA)	13,946	15,777	3,562	4,497	5,594	2,124
Median income:							
Owner occupied (dol.)	9,700	19,800	24,400	26,300	24,300	21,700	26,000
Renter occupied (dol.)	6,300	10,500	12,400	12,400	11,800	12,400	13,500
Specified owner occupied [1]	31,891	39,470	43,535	8,674	11,906	14,911	8,043
With value of—							
Less than $20,000	19,739	4,777	2,409	362	731	1,218	98
$20,000–$24,999	4,674	2,494	1,486	261	503	637	85
$25,000–$34,999	4,436	5,511	4,207	693	1,468	1,840	206
$35,000–$49,999	2,045	8,496	8,703	1,740	2,846	3,377	740
$50,000–$99,999	996	14,382	19,464	4,272	5,385	6,088	3,739
$100,000 and over		3,810	7,269	1,344	975	1,772	3,176
Median—							
Value (dol.)	17,000	47,200	59,700	61,900	52,500	52,100	89,100
Real estate taxes [2] (dol.)	(NA)	460	564	1,100	635	270	572
Units monthly costs [3]—							
With mortgages (dol.)	(NA)	366	463	503	453	426	500
Owned clear (dol.)	(NA)	128	166	223	178	137	134
Specified renter occupied [4]	22,334	27,252	29,214	7,149	6,469	8,791	6,804
With gross rent of—							
Less than $80	5,466	1,080	846	114	150	302	80
$80–$99	3,701	651	551	116	109	201	125
$100–$119	3,332	818	1,707	448	395	580	285
$120–$149	3,772	1,678					
$150–$199	3,304	4,219	2,364	545	637	805	376
$200–$299	1,194	10,023	7,377	1,854	2,088	2,097	1,338
$300 and over	265	7,516	15,168	3,843	2,804	4,144	4,374
No cash rent	1,300	1,267	1,401	226	286	662	229
Median rent (dol.)	108	243	315	316	266	304	352

NA Not available. [1] Includes only 1-family homes on less than 10 acres and no business on the property. [2] Taxes paid previous year. [3] Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. [4] Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Census of Housing, 1970* and *1980*, vol. 1, and *Current Housing Reports*, H–150–83, Annual Housing Survey: 1983, parts A and C.

Digitized by Google

No. 1225. Heating Equipment and Fuels for Occupied Units: 1950 to 1983

Item	Number (1,000)					Percent distribution				
	1950	1960	1970	1980	1983	1950	1960	1970	1980	1983
Occupied units, total	**42,826**	**53,024**	**63,445**	**80,390**	**84,638**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heating equipment:										
Warm air furnace	[1] 11,508	17,378	27,515	39,279	44,320	[1] 26.9	32.8	43.4	48.9	52.4
Steam or hot water				2,835	2,171				3.5	2.6
Warm or hot water	10,071	11,990	13,211	13,859	13,772	23.5	22.6	20.8	17.2	16.3
Floor, wall, or pipeless furnace	[1]	6,088	5,552	4,693	5,977	[1]	11.5	8.8	5.8	7.1
Built-in electric units	–	664	3,236	6,370	6,207	–	1.3	5.1	7.9	7.3
Room heaters with flue	[2] 15,399	[2] 11,183	7,209	6,098	3,438	[2] 36.0	[2] 21.1	11.4	7.6	4.1
Room heaters without flue	5,268	5,218	3,558	2,736	2,926	12.3	9.8	5.6	3.4	3.5
Fireplaces, stoves, or portable heaters [3]	[2]	[2]	2,766	3,977	5,152	[2]	[2]	4.4	4.9	6.1
None	581	509	398	541	677	1.4	.9	.6	.7	.8
Principal heating fuel:										
Utility gas	11,387	22,851	35,014	42,658	46,700	26.6	43.1	55.2	53.1	55.2
Fuel oil, kerosene, etc	9,686	17,158	16,473	14,655	13,031	22.6	32.4	26.0	18.2	15.4
Electricity	283	933	4,876	14,768	15,684	.7	1.8	7.7	18.3	18.5
Coal and coke	787	2,686	3,807	4,535	3,869	1.8	5.1	6.0	5.6	4.6
Bottled, tank, or LP gas	4,855	2,460	1,060	2,729	4,245	11.3	4.6	1.7	3.4	5.0
Wood or coke	14,826	6,456	1,821	504	432	34.6	12.2	2.9	.6	.5
Other	999	478	395	541	677	2.3	.9	.6	.7	.8
Cooking fuel:										
Electricity	6,403	16,351	25,768	41,906	(NA)	15.0	30.8	40.6	52.1	(NA)
Utility gas	22,084	27,296	31,244	32,375	(NA)	51.6	51.5	49.2	40.3	(NA)
Bottled, tank, or LP gas	3,417	6,491	5,314	5,569	(NA)	8.0	12.2	8.4	6.9	(NA)
Other fuel	10,796	2,603	908	398	(NA)	25.2	4.9	1.4	.5	(NA)
None	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

– Represents zero. [1] "Floor, wall, or pipeless furnace" included in "Warm air furnace." [2] Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." [3] Portable heaters.

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. 1, and *1980*, vol. 1; *Current Housing Reports*, series H-150-...ual Housing Survey: 1983, part A.

. 1226. Occupied Housing Units—Primary Heating Fuel and Equipment, by Selected Characteristics: 1984

...millions. As of November. Excludes Alaska and Hawaii. Covers year-round units only. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. I, inside front cover]

...cteristic	Total occupied housing units [1]	Primary heating fuel					Primary heating equipment					
		Natural gas	Fuel oil, kerosene	Electricity	LPG [2]	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters [2]	Floor, wall, or pipeless furnace	Built in electric units	Wood or coal stove
	86.3	**47.8**	**12.2**	**14.5**	**3.9**	**6.5**	**41.8**	**15.3**	**5.5**	**6.5**	**5.4**	**6.1**
...st	18.2	7.2	8.2	1.4	.2	1.1	5.8	9.7	.3	.1	1.1	1.1
	21.6	16.4	1.1	1.3	1.3	1.4	14.5	3.7	.8	.6	.4	1.1
	29.3	13.1	2.3	8.4	2.1	2.8	13.8	1.0	3.8	2.4	1.9	2.9
	17.1	11.2	.4	3.4	.4	1.1	7.7	.6	.6	3.4	2.0	1.0
...mily												
...ned	53.5	29.8	7.0	7.2	2.6	5.8	27.9	5.1	4.4	4.4	2.6	5.5
...mily												
...ed	4.1	2.5	.7	.7	–	–	2.3	1.1	.2	.1	.1	.1
...building	10.0	7.0	1.7	1.0	–	.2	3.8	3.2	.6	1.1	.5	.1
...e unit												
...g	13.6	7.1	2.2	4.2	–	–	4.1	5.8	.2	.7	1.9	–
...ome	5.1	1.4	.7	1.4	1.2	.4	3.7	–	.1	.2	.2	.4
...e built:												
...ater	5.0	2.1	.2	2.0	.2	.4	3.1	.6	–	.1	.5	.7
1979	10.1	3.9	.6	4.1	.4	.7	5.2	1.3	.1	.1	1.3	.7
1974	10.7	5.1	.6	3.2	.7	.9	6.2	1.1	.1	.4	1.2	.8
1969	8.2	4.7	.7	1.7	.3	.7	4.4	1.1	.2	.6	.9	.7
1964	7.5	4.3	1.1	1.0	.4	.6	4.1	1.0	.2	.7	.5	.5
1959	12.6	8.3	1.9	1.1	.4	.7	6.5	1.7	.9	1.6	.3	.7
1949	7.0	4.4	1.1	.7	.2	.5	2.9	1.4	.6	1.1	.2	.4
...arlier	25.2	15.0	5.6	1.0	1.2	2.0	9.4	7.2	3.3	2.0	.5	2.0

...sents zero or rounds to zero. [1] Includes types of fuel and equipment not shown separately. [2] Liquid petroleum ...th or without flue.

...S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristic, 1984*, August

Digitized by Google

No. 1227. Appliances Used by Households, by Region and Family Income: 1984

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1226. For composition of regions, see fig. I, inside front cover]

Type of appliance	Households using appliance		Region				Family income in 1984			
	Number	Percent of total	Northeast	Midwest	South	West	Under $15,000	$15,000–$24,999	$25,000–$34,999	$35,000 and over
Total households	**86.3**	**100.0**	**18.3**	**21.8**	**29.3**	**17.1**	**35.0**	**17.4**	**15.3**	**18.7**
Air conditioners: Room [1]	26.8	31.0	7.5	7.2	9.3	2.8	10.7	6.0	5.2	4.9
Central system	24.6	28.5	1.8	5.8	13.3	3.7	6.6	4.4	5.1	8.4
Clothes washer	63.1	73.1	13.4	15.6	22.0	12.0	21.0	12.5	12.4	17.2
Clothes dryer	53.1	61.5	10.7	14.2	17.8	10.5	14.7	10.8	11.6	16.3
Dehumidifier	7.5	8.7	2.6	3.6	1.1	(S)	.9	1.5	2.1	2.9
Dishwasher	32.5	37.6	6.4	6.6	11.5	7.9	6.1	5.7	7.5	13.2
Evaporative cooler [2]	3.2	3.6	(S)	(S)	.5	2.6	1.3	.6	.6	.6
Freezer	31.7	36.7	5.3	9.2	11.7	5.6	10.5	5.9	6.2	9.1
Humidifier	11.3	13.1	2.8	6.2	1.6	.6	2.5	2.0	2.6	4.3
Microwave oven [3]	29.8	34.3	4.0	6.6	10.1	7.0	5.9	5.9	7.4	10.4
Motor vehicles: [4] One	30.7	35.6	6.6	7.7	10.0	6.2	17.0	7.3	3.9	2.5
Two or more	44.6	51.7	7.9	11.2	15.9	9.5	8.8	9.1	10.9	15.8
Outdoor gas grill	11.5	13.4	3.6	2.6	3.5	1.8	1.5	1.7	2.8	5.5
Outdoor gas light	1.2	1.4	.2	.5	.5	(S)	(S)	.2	.2	.4
Oven: Electric	42.4	49.1	7.2	10.0	15.8	9.4	14.4	8.5	8.2	11.2
Gas	35.9	41.5	9.7	9.6	9.7	6.7	16.5	7.4	5.9	6.1
Portable electric heater	8.9	10.3	1.4	1.5	3.7	2.3	3.6	1.7	1.9	1.6
Portable kerosene heater	5.3	6.1	1.3	1.2	2.5	.2	1.7	1.3	1.0	1.4
Range: Electric	46.5	53.9	7.7	11.2	16.2	9.4	16.2	9.2	9.0	12.1
Gas	39.0	45.2	10.4	10.2	10.9	7.6	18.3	8.1	6.1	6.7
Refrigerator: Frost-free	53.9	62.4	9.5	12.8	19.6	11.8	17.1	10.6	10.8	15.3
Non frost-free [5]	32.2	37.3	8.7	8.8	9.5	5.2	17.6	6.7	4.5	3.4
Television set: Color	75.9	88.0	16.3	19.3	25.1	15.2	27.7	15.6	14.4	18.2
Black and white	37.3	43.2	9.0	9.0	13.3	6.0	14.6	7.1	6.7	8.8
Water heater: [6] Gas	41.3	47.8	7.0	12.5	11.8	10.0	14.8	8.1	8.0	10.5
Electric	27.9	32.3	3.9	4.8	15.0	4.3	11.4	5.8	4.7	6.0
Other fuel	2.8	3.2	2.8	(S)	.2	(S)	.7	.5	.8	.7
Whole house cooling fan	6.7	7.8	1.3	1.7	3.1	.7	1.2	1.3	1.7	2.5
Window or ceiling fan	30.6	35.5	6.0	7.9	13.8	3.0	11.2	6.5	6.1	6.9

S Figure does not meet publication standards. [1] Includes small amount of households that have both central air conditioners and room units. [2] An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. [3] Microwave is first or second most used oven. [4] All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. [5] Includes refrigerators without freezer compartments. [6] Excludes water heaters that serve more than one household.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, October 1986.

No. 1228. Housing Units—Characteristics, by Square Footage of Floor Space: 1980 to 1984

[See headnote, table 1226. For composition of regions, see fig. I, inside front cover]

Characteristic	Average number of square feet per household				Households by measured heated square footage of residence (mil.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,599	1,600 to 2,399	2,400 and over
	Mean	Median	Mean	Median					
1980, total	1,745	1,486	1,499	1,260	81.6	28.6	24.0	17.8	11.3
1981, total	1,734	1,452	1,482	1,247	83.1	29.0	25.2	18.0	11.0
1982, total	1,698	1,463	1,449	1,222	83.8	30.3	25.1	17.7	10.5
1984, total	**1,672**	**1,434**	**1,440**	**1,225**	**86.3**	**31.8**	**24.9**	**18.9**	**10.7**
Northeast	1,914	1,862	1,601	1,407	18.3	6.1	4.2	4.8	3.1
Midwest	1,811	1,646	1,561	1,322	21.6	7.6	4.9	5.2	3.6
South	1,516	1,290	1,337	1,174	29.3	11.0	10.0	6.0	2.3
West	1,503	1,280	1,269	1,113	17.1	7.0	5.8	3.0	1.4
Single family detached	2,049	1,904	1,716	1,547	53.5	10.3	17.6	16.0	9.6
Single family attached	1,880	1,819	1,643	1,550	4.1	.8	1.3	1.4	.6
2–4 unit building	1,159	991	1,067	900	10.1	5.8	2.8	1.0	.5
5 or more unit building	816	743	801	736	13.6	10.8	2.2	.5	.1
Mobile home	837	780	819	768	5.1	4.0	1.1	–	–
Year house built:									
1980 or later	1,543	1,300	1,353	1,206	5.0	1.9	1.5	1.1	.4
1975–1979	1,709	1,500	1,472	1,317	10.1	3.8	2.5	2.5	1.3
1970–1974	1,562	1,164	1,376	1,100	10.7	4.6	2.8	2.1	1.2
1965–1969	1,621	1,326	1,431	1,175	8.2	3.1	2.6	1.5	.9
1960–1964	1,654	1,388	1,456	1,231	7.5	2.6	2.5	1.5	.9
1950–1959	1,696	1,529	1,451	1,243	12.6	4.2	3.9	3.1	1.3
1940–1949	1,596	1,400	1,387	1,224	7.0	2.6	2.1	1.5	.8
1939 or earlier	1,781	1,584	1,478	1,258	25.2	9.0	7.0	5.7	3.5

– Represents zero or rounds to zero.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, October 1986, and earlier issues.

Digitized by Google

No. 1229. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs by Type of Property and Activity: 1970 to 1986

[In millions of dollars]

AR AND TYPE OF EXPENDITURE	Total	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS				Major replacements	Maintenance and repairs
				Total	To structures		To property outside of structures		
					Additions	Alterations			
	14,770	9,469	5,301	6,246	1,411	3,539	1,296	2,629	5,895
	25,239	15,684	9,556	10,997	1,971	6,844	2,182	4,484	9,758
	29,034	18,854	10,180	12,314	3,493	6,367	2,454	5,341	11,379
	31,280	21,761	9,519	14,237	2,655	8,505	3,077	5,699	11,344
	37,461	24,189	13,272	16,458	3,713	8,443	4,302	8,094	12,909
	42,231	28,280	13,951	18,285	3,280	9,642	5,363	8,996	14,950
	46,338	31,481	14,857	21,336	4,183	11,193	5,960	9,816	15,187
	46,351	30,201	16,150	20,414	3,164	11,947	5,303	9,915	16,022
	45,291	29,779	15,512	18,774	2,641	10,711	5,423	9,707	16,810
	49,295	32,524	16,771	20,271	4,739	11,673	3,859	10,895	18,128
total [1]	69,784	43,781	26,003	27,822	6,007	14,486	7,329	13,067	28,894
and air-conditioning [2]	5,071	2,768	2,303	959	(NA)	959	(NA)	2,391	1,721
g	6,919	3,346	3,573	1,201	(NA)	1,201	(NA)	2,408	3,310
	5,140	2,573	2,568	(NA)	(NA)	(NA)	(NA)	3,126	2,014
	8,817	4,998	3,819	(NA)	(NA)	(NA)	(NA)	(NA)	8,817
total [1]	80,267	47,742	32,525	28,775	3,966	17,599	7,211	16,134	35,358
and air-conditioning [2]	5,096	3,287	1,809	1,121	(NA)	1,121	(NA)	2,322	1,653
	8,120	4,029	4,091	1,502	(NA)	1,502	(NA)	3,115	3,503
	7,497	4,428	3,069	(NA)	(NA)	(NA)	(NA)	5,086	2,411
	11,267	5,810	5,457	(NA)	(NA)	(NA)	(NA)	(NA)	11,267
total [1]	91,274	54,298	36,976	36,608	7,377	21,192	10,040	16,695	35,971
and air-conditioning [2]	6,232	3,993	2,239	974	(NA)	974	(NA)	3,399	1,860
	8,461	3,791	4,670	1,484	(NA)	1,484	(NA)	3,408	3,569
	7,685	3,834	3,851	(NA)	(NA)	(NA)	(NA)	4,552	3,133
	11,170	5,673	5,497	(NA)	(NA)	(NA)	(NA)	(NA)	11,170

ot available. [1] Includes types of expenditures not separately specified. [2] Central air-conditioning.

: U.S. Bureau of the Census, *Construction Reports*, series C50.

No. 1230. Vacancy Rates for Housing Units—Characteristics: 1981 to 1986

nt. Annual averages. Based on Current Population Survey and Quarterly Housing Survey. Rate is relationship between housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or d awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. I, inside front cover. o *Historical Statistics, Colonial Times to 1970*, series N 249–258]

UNITS	1981	1982	1983	1984	1985	1986
ntal	5.0	5.3	5.7	5.9	6.5	7.3
SAs	4.8	5.0	5.5	5.7	6.3	7.2
MSAs	5.7	6.2	6.3	6.4	7.1	8.2
	3.7	3.7	4.0	3.7	3.5	3.9
	5.9	6.3	6.1	5.9	5.9	6.9
	5.4	5.8	6.9	7.9	9.1	10.1
	5.1	5.4	5.2	5.2	6.2	7.1
ucture:						
	3.3	3.8	3.7	3.8	3.8	3.9
	6.0	6.2	6.7	7.0	7.9	9.2
	6.4	6.5	7.1	7.5	8.8	10.4
or less	6.9	7.2	7.2	7.5	8.6	10.2
	4.8	5.0	5.7	6.3	6.9	8.0
	3.8	4.0	4.4	4.8	5.0	5.3
or more	3.2	3.5	3.7	3.5	3.2	3.3
t:						
\$99	3.0	3.4	2.5	2.7	3.5	2.8
nore	5.2	5.4	5.7	5.9	6.8	7.7
ter	5.1	5.3	5.9	6.6	7.9	9.5
ter	5.3	5.8	6.2			
9	4.9	5.2	5.4	5.6	6.2	6.9
arlier	5.2	5.5	5.8	5.3	5.0	5.0
cilities	4.8	5.1	5.5	5.7	6.3	7.2
cilities	12.3	12.2	11.8	13.6	13.8	14.5

HOMEOWNER UNITS	1981	1982	1983	1984	1985	1986
Total homeowner units	1.4	1.5	1.5	1.7	1.7	1.8
Inside SMSAs	1.4	1.5	1.6	1.6	1.7	1.5
Outside SMSAs	1.3	1.5	1.5	1.8	1.9	1.8
Northeast	1.1	1.0	1.0	.8	1.0	1.0
Midwest	1.4	1.8	1.5	1.6	1.6	1.5
South	1.3	1.6	1.8	2.0	2.1	2.1
West	1.7	1.9	1.8	2.0	2.1	1.6
Units in structure:						
1 unit	1.1	1.2	1.3	1.4	1.4	1.3
2 or more	5.4	6.1	5.2	6.1	6.6	5.6
5 or more	10.8	12.2	8.8	10.6	10.1	8.3
Units with:						
3 rooms or less	3.5	3.9	3.3	4.8	5.8	5.2
4 rooms	2.0	2.4	2.4	2.6	2.3	2.3
5 rooms	1.4	1.4	1.4	1.8	2.0	1.7
6 rooms or more	1.1	1.2	1.3	1.4	1.4	1.3
Value:						
Less than $19,999	1.8	2.3	2.3	2.5	2.5	2.6
$20,000 or more	1.1	1.2	1.2	1.3	1.3	1.2
Year built:						
1960 or later	1.8	1.8	1.8	2.0	2.0	1.8
1965 or later	1.8	2.1	1.9			
1950–1959	.8	.9	1.1	1.2	1.2	1.2
1939 or earlier	1.8	1.6	1.7	1.7	1.8	1.8
Plumbing:						
With all facilities	1.4	1.5	1.5	1.6	1.7	1.6
Lacking facilities	3.3	3.9	3.8	5.3	7.5	6.0

S. Bureau of the Census, *Current Housing Reports*, series H-111.

Digitized by Google

No. 1231. Recent Home Buyers—General Characteristics and Downpayments: 1976 to 1986

[As of October. Based on a sample survey; subject to sampling variability]

Item	Unit	1976	1979	1980	1981	1982	1983	1984	1985	1986
Median price of house purchased	Dollars	43,340	58,100	66,714	78,220	82,500	90,000	89,400	90,400	93,680
First-time buyers	Dollars	37,670	50,800	61,450	63,180	58,900	73,100	81,500	75,100	74,700
Repeat buyers [1]	Dollars	50,090	64,600	75,750	82,220	98,300	101,800	100,400	106,200	114,860
Average monthly mortgage payment	Dollars	329	449	599	694	732	794	868	896	852
Percent of income	Percent	24.0	28.2	32.4	35.5	33.0	32.5	30.3	30.0	28.6
Percent buying—										
New houses	Percent	15.1	17.6	22.4	25.2	23.2	26.4	22.3	23.8	25.7
Existing houses	Percent	84.9	82.2	77.6	74.8	76.8	73.6	77.7	76.2	74.3
Single-family houses	Percent	88.8	87.5	82.4	78.3	76.6	67.8	69.9	67.0	65.1
Multiple-family houses	Percent	4.8	5.3	5.5	6.9	6.5	4.6	2.5	4.2	5.2
Condominiums	Percent	6.4	6.8	12.1	13.4	16.9	7.6	7.6	6.4	9.0
For the first time	Percent	44.8	36.6	32.9	39.4	40.6	40.5	37.7	36.8	35.5
Average age of first-time buyers	Years	28.1	28.4	28.3	28.4	28.6	28.9	29.1	28.4	30.9
Average age of repeat buyers [1]	Years	35.9	34.7	36.4	36.4	37.1	37.3	37.8	38.4	39.5
Downpayment to sales price	Percent	25.2	24.9	28.0	24.1	22.4	22.9	20.9	24.8	23.4
First-time buyers	Percent	18.0	17.6	20.5	19.4	15.1	15.7	13.2	11.4	13.4
Repeat buyers [1]	Percent	30.8	29.0	32.7	27.1	27.3	27.8	25.6	32.7	28.9

[1] Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)

No. 1232. Volume of Long-Term Mortgage Loans Originated, by Type of Property, 1970 to 1986, and by Lender, 1986

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

Type of property	1970	1975	1980	1982	1983	1984	1985	1986, by lender				
								Total [1]	Savings and loan	Commercial banks	Mortgage companies	Fed. credit agencies	Mutual savings
Loans, total	**59.8**	**120.7**	**197.2**	**153.9**	**295.6**	**319.2**	**383.3**	**658.7**	**218.3**	**201.2**	**142.9**	**8.2**	**39.1**
1–4 unit family home	35.6	77.9	133.7	97.0	201.9	203.7	243.0	454.0	176.1	107.6	131.6	2.7	31.1
New units	12.6	24.6	49.1	30.6	77.4	53.7	53.6	82.7	24.7	16.5	35.0	1.1	4.1
Existing units	23.0	53.3	84.6	66.4	154.5	150.0	189.4	371.3	151.4	91.1	96.6	1.6	27.0
Multifamily residential	8.8	10.7	12.5	11.4	21.4	27.6	31.9	49.5	19.9	6.8	7.2	1.7	2.9
New units	7.0	5.8	8.6	6.1	8.8	11.1	10.6	15.1	2.9	1.8	-	1.4	3.1
Existing units	1.8	4.9	3.9	5.3	12.6	16.5	21.3	34.4	17.0	5.0	7.2	.3	2.6
Non-residential	12.5	24.2	35.9	34.3	62.4	77.3	99.4	145.4	22.2	82.0	4.1	.5	5.1
Farm properties	3.0	7.9	15.0	11.2	9.9	10.5	9.0	9.8	.2	4.9	-	3.3	-

- Represents zero. [1] Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970-1979*, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 1233. Characteristics of Conventional First Mortgage Loans for Purchase of Single-Family Homes: 1970 to 1986

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

Loan characteristic	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
NEW HOMES														
Contract interest rate	Percent	8.3	8.8	8.8	8.8	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1	9.7
Initial fees, charges [1]	Percent	1.03	1.53	1.42	1.32	1.39	1.66	2.09	2.66	2.96	2.39	2.66	2.52	2.50
Term to maturity	Years	27.0	27.0	27.3	27.8	28.0	28.5	28.1	27.7	27.5	26.7	27.8	27.0	26.8
Loan to price ratio	Percent	71.7	76.2	75.7	76.3	75.2	73.8	73.2	74.8	76.6	77.3	78.6	77.1	75.3
Purchase price	$1,000	35.5	44.7	49.1	54.4	62.6	74.4	83.2	90.3	94.1	93.9	96.8	105.0	119.8
EXISTING HOMES														
Contract interest rate	Percent	8.2	9.0	8.9	8.8	9.4	10.6	12.5	14.5	14.8	12.3	12.0	11.2	9.8
Initial fees, charges [1]	Percent	.92	1.16	1.14	1.17	1.26	1.44	1.91	2.27	2.55	2.40	2.54	2.50	2.13
Term to maturity	Years	22.8	24.2	24.6	25.8	26.4	27.1	26.9	25.9	24.9	25.9	26.5	25.5	25.4
Loan to price ratio	Percent	71.1	73.5	73.8	75.1	75.0	74.0	73.5	72.9	71.9	74.3	76.8	75.7	73.9
Purchase price	$1,000	30.0	39.2	42.0	47.6	54.5	64.8	66.3	66.5	70.7	79.3	82.2	92.7	108.5

[1] Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual, and monthly news releases.

Digitized by Google

No. 1234. Low-Income Public Housing Units, by Progress Stage: 1960 to 1986

[**In thousands.** As of **Dec. 31.** Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186–191]

YEAR	Total	Occupied units [1]	Under construction	Other [2]	YEAR	Total	Occupied units [1]	Under construction	Other [2]
1960	**593.3**	**478.2**	**36.4**	**78.8**	**1982**	**1,432.2**	**1,231.4**	**86.7**	**134.1**
Elderly	18.9	1.1	4.1	13.7	Elderly	392.0	328.4	27.7	35.9
1970	**1,155.3**	**893.5**	**126.8**	**135.0**	**1983**	**1,483.3**	**1,262.5**	**86.7**	**134.1**
Elderly	249.4	143.4	65.7	40.3	Elderly	410.0	338.4	35.7	35.9
1975	**1,316.7**	**1,180.4**	**52.9**	**83.4**	**1984**	**1,368.7**	**1,312.9**	**24.0**	**31.8**
Elderly	336.3	288.3	24.3	23.7	Elderly	373.0	351.4	9.4	12.2
1980	**1,321.1**	**1,195.6**	**20.9**	**104.6**	**1985**	**1,378.0**	**1,344.6**	**9.6**	**19.5**
Elderly	358.3	317.7	11.5	29.1	Elderly	373.5	361.1	2.1	10.3
1981	**1,404.0**	**1,229.3**	**51.5**	**123.2**	**1986**	**1,392.3**	**1,351.8**	**1.8**	**38.7**
Elderly	385.4	327.7	21.8	35.9	Elderly	367.8	359.6	3.6	5.6

[1] Under management or available for occupancy. [2] To be constructed or to go directly "under management" because no rehabilitation needed.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

No. 1235. Residential Loans Underwritten by FHA: 1970 to 1986

[**In millions of dollars.** Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291–297]

LOAN	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
FHA-insured loans	**11,982**	**7,941**	**16,098**	**22,848**	**22,301**	**14,976**	**14,105**	**31,651**	**17,749**	**28,378**	**61,758**
Home mortgages: New properties	2,667	1,148	1,881	3,409	4,071	3,177	2,444	4,209	3,704	3,999	7,129
Existing properties	5,447	5,017	9,259	14,758	12,387	7,102	5,643	22,363	10,821	19,965	49,772
Project type mortgages	3,251	976	3,270	2,719	4,197	3,024	4,464	3,227	1,867	3,219	3,708
Property improvement loans [1]	617	799	1,688	1,962	1,646	1,674	1,554	1,852	1,357	1,195	1,149

[1] Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970–1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

No. 1236. Office Buildings—Vacancy Rates, 1980 to 1987, and Status of Supply, 1987, by Major City

[**As of December;** except **1987, as of June.** Excludes government owned and occupied, owner-occupied, and medical office buildings]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)								SUPPLY STATUS, 1987 (mil. sq. ft.)			
									Existing space		Space under construction	
	1980	1981	1982	1983	1984	1985	1986	1987	Total	Available for lease	Total	Available for lease
Total [1]	**4.6**	**5.4**	**11.0**	**13.5**	**15.5**	**16.9**	**18.6**	**19.3**	**1,667.4**	**321.3**	**117.1**	**83.6**
Atlanta, GA	10.0	13.6	16.8	13.7	14.5	21.0	20.1	21.3	67.8	14.4	6.1	4.8
Baltimore, MD	7.2	3.2	5.9	6.4	11.9	11.5	15.9	19.4	22.5	4.4	2.7	1.6
Boston, MA	3.8	4.7	7.8	4.4	8.9	13.1	13.0	12.9	92.6	11.9	7.0	5.6
Charlotte, NC	(NA)	(NA)	(NA)	(NA)	16.7	16.7	15.5	15.1	14.2	2.1	1.7	.9
Chicago, IL	7.0	6.4	6.9	12.6	14.8	16.5	19.6	18.2	165.2	30.0	13.3	9.7
Cleveland, OH	9.7	(NA)	6.7	17.1	14.7	18.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Dallas, TX	8.6	8.4	18.6	21.5	18.7	23.0	30.9	30.1	112.7	34.0	6.0	2.6
Denver, CO	6.6	4.1	22.6	24.1	20.6	24.7	25.1	25.3	66.0	16.7	1.1	.9
Fort Worth, TX	(NA)	(NA)	(NA)	(NA)	24.1	22.5	24.7	26.2	20.0	5.2	1.8	.5
Hartford, CT	6.7	7.8	7.3	18.5	17.4	15.3	12.9	12.1	17.7	2.1	1.9	1.5
Houston, TX	4.0	7.6	20.3	26.9	25.0	27.6	30.6	32.0	148.3	47.5	.5	.3
Kansas City, MO	4.2	6.7	12.4	15.7	18.6	16.2	18.2	20.0	26.8	5.8	1.6	.6
Los Angeles, CA	.9	5.5	12.3	14.0	20.4	15.3	13.2	14.8	151.2	22.4	13.8	11.7
Miami, FL	2.4	5.0	6.3	14.0	18.2	20.9	25.2	27.0	27.2	7.3	.7	.3
New Orleans, LA	(NA)	3.7	7.4	19.0	22.4	21.8	25.5	24.8	22.7	5.6	.4	.4
New York, NY [2]	3.1	3.6	4.9	5.0	6.8	7.9	8.9	11.3	217.0	24.5	9.2	5.9
Philadelphia, PA	6.3	5.7	12.8	9.6	9.0	14.5	15.5	16.5	51.8	8.5	5.7	3.7
Pittsburgh, PA	1.2	2.8	7.1	7.8	14.2	(NA)	12.0	15.0	34.8	5.2	2.7	1.6
San Diego, CA	(NA)	(NA)	25.3	22.9	21.8	24.7	25.4	24.4	26.2	6.4	1.9	1.4
San Francisco, CA	.4	4.2	7.3	11.3	9.0	13.7	16.6	14.5	49.9	7.2	3.1	2.3
Stamford, CT	(NA)	(NA)	(NA)	(NA)	18.9	15.6	21.4	27.3	26.5	7.8	2.5	2.0
Tampa, FL	(NA)	(NA)	(NA)	(NA)	23.9	23.9	24.1	22.0	23.8	5.2	2.0	1.2
Washington, DC	2.5	1.7	6.3	7.2	9.6	9.0	13.6	13.8	125.3	17.2	18.1	14.9
White Plains, NY	(NA)	(NA)	(NA)	(NA)	23.2	23.7	22.7	22.0	24.0	5.3	.5	.5

NA Not available. [1] Includes other cities not shown separately. In 1987, 32 cities were covered. [2] Refers to Manhattan.

Source: The Office Network®, Houston, TX, 1980–1985, *National Office Market Report*, semi-annual; thereafter, *International Office Market Report*, semi-annual. (Copyright.)

Digitized by Google

NO. 1237. COMMERCIAL BUILDINGS—SELECTED CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOORSPACE: 1983

[Excludes Alaska and Hawaii. Building type based on predominant activity in which the occupants were engaged. Excludes industrial buildings. Based on a sample survey building representatives conducted between March and August 1983; therefore, subject to sampling variability. For data on energy consumption and expenditures in commercial buildings, see tables 916 and 917. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	Number of buildings (1,000)	FLOORSPACE (mil. sq. ft.)							Average sq. ft. per building (1,000)	Median sq. ft. per building (1,000)
		Total	Within all buildings having square footage of—							
			5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over		
All buildings	**3,948**	**52,325**	**4,908**	**5,246**	**8,912**	**7,692**	**7,168**	**18,399**	**13.3**	**4.0**
Region:										
Northeast	670	11,615	784	939	1,960	1,915	1,754	4,264	17.3	5.7
Midwest	1,211	16,059	1,526	1,685	2,616	2,334	2,146	5,750	13.3	4.0
South	1,493	17,049	1,971	1,685	2,923	2,176	2,199	6,094	11.4	3.3
West	574	7,602	627	937	1,412	1,267	1,068	(s)	13.2	4.7
Year constructed:										
1980 to 1983	140	5,675	127	163	523	479	794	3,590	40.5	9.9
1974 to 1979	530	6,616	688	635	1,298	1,029	848	2,118	12.5	4.1
1971 to 1973	209	3,442	249	320	496	654	556	1,168	16.4	5.1
1961 to 1970	721	9,947	881	860	1,417	1,371	1,533	3,885	13.8	3.4
1946 to 1960	946	9,612	1,187	1,279	1,899	984	1,265	3,219	10.2	3.1
1921 to 1945	726	8,639	855	950	1,663	1,656	949	2,566	11.9	3.8
1901 to 1920	388	5,453	514	600	1,049	1,010	942	1,337	14.1	5.1
1900 or before	288	2,940	406	440	767	590	281	(s)	10.2	4.8
Principal activity within building:										
Assembly	457	5,483	485	901	1,390	912	621	(s)	12.0	5.9
Educational	177	6,044	113	182	580	1,322	1,619	2,248	34.2	19.1
Food sales/service	380	2,051	636	343	568	209	179	(s)	5.4	2.8
Health care	61	2,277	80	(s)	(s)	(s)	(s)	1,761	37.6	4.7
Lodging	106	2,241	95	166	310	495	318	856	21.1	6.8
Mercantile/services	1,071	10,427	1,433	1,562	2,013	1,065	1,089	(s)	9.7	3.5
Office	575	8,454	749	803	1,236	976	933	3,757	14.7	4.1
Residential	236	2,454	325	265	748	432	(s)	(s)	10.4	4.4
Warehouse	425	6,791	448	446	1,202	1,203	1,198	2,293	16.0	4.8
Other	179	2,760	176	166	405	350	214	1,429	15.4	3.4
Vacant	281	3,342	368	314	410	582	614	1,054	11.9	3.3
Number of establishments in building:										
None	142	1,475	218	(s)	137	187	342	300	10.4	3.1
Single establishment	3,160	35,227	4,077	3,870	6,563	5,710	5,031	9,975	11.1	3.6
Multi-establishment	645	15,623	613	1,202	2,212	1,795	1,794	8,007	24.2	7.5
Government occupancy:										
Government occupied	346	10,099	327	378	959	1,356	1,551	5,529	29.2	7.2
Not Government occupied	3,602	42,225	4,580	4,868	7,953	6,336	5,616	12,871	11.7	3.9
Fuels used alone or in combination:										
Electricity	3,783	51,359	4,701	5,079	8,810	7,491	6,973	18,305	13.6	4.1
Natural gas	2,314	37,090	2,732	3,522	6,081	5,484	4,930	14,342	16.0	5.9
Fuel oil	633	13,313	743	886	1,656	1,425	1,509	7,093	21.0	5.1
Propane	260	3,007	380	285	515	328	209	1,290	11.6	3.3
Purchased steam	60	4,584	(s)	(s)	235	448	645	3,173	76.2	29.2
Other	245	3,997	345	260	497	337	535	2,024	16.3	3.4

S Figure does not meet publication standards.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983.*

Digitized by Google

No. 1238. Commercial Buildings and Workers—Selected Building Characteristics, by Floorspace: 1983

[See headnote, table 1237]

Building characteristics	Number of buildings (1,000)							Workers		
		Square footage of—								
	Total	5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over	Number (1,000)	Average sq. ft. per worker	Median sq. ft. per worker
All buildings	**3,948**	**2,246**	**725**	**567**	**222**	**107**	**79**	**77,673**	**674**	**714**
Region:										
Northeast	670	306	131	130	58	27	18	16,633	696	849
Midwest	1,211	688	234	163	66	31	27	22,659	709	731
South	1,493	955	236	185	60	32	24	26,347	647	677
West	574	299	124	89	37	17	9	12,034	632	604
Principal activity within building:										
Assembly	457	209	122	86	27	9	4	5,998	914	1,067
Educational	177	45	24	33	37	24	14	6,131	988	971
Food sales/service	360	287	49	35	6	3	(s)	5,670	362	380
Health care	61	31	(s)	(s)	(s)	(s)	7	5,512	413	397
Lodging	106	42	23	19	14	5	3	2,373	944	1,176
Mercantile/services	1,071	666	217	131	30	17	10	13,914	749	735
Office	575	328	109	81	27	14	15	26,174	323	364
Residential	236	131	37	48	13	(s)	(s)	1,371	1,790	1,295
Warehouse	425	221	64	75	36	18	11	5,366	1,261	1,253
Other	179	111	24	25	10	3	5	3,624	752	604
Vacant	281	177	43	29	17	9	5	1,520	2,199	(x)
Government occupancy:										
Government occupied	346	153	51	61	39	23	19	17,149	589	544
Non-government occupied	3,602	2,095	674	507	183	84	59	60,524	698	731

S Figure does not meet publication standards. X Not applicable.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

No. 1239. Commercial Buildings—Number and Square Footage of Floorspace, by Type of Building and Characteristic: 1983

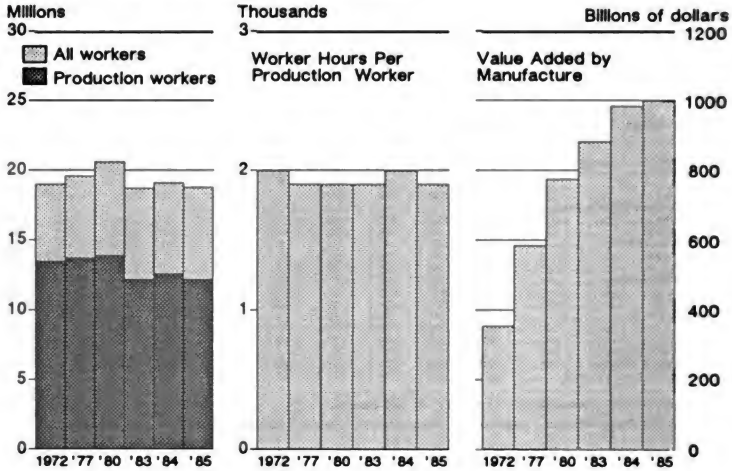
Building characteristics	All buildings	Assembly	Educational	Food sales/service	Health care	Lodging	Mercantile/services	Office	Residential	Warehouse	Other [1]
NUMBER (1,000)											
All buildings	**3,948**	**457**	**177**	**380**	**61**	**106**	**1,071**	**575**	**236**	**425**	**460**
Region:											
Northeast	670	61	28	58	11	13	183	97	97	57	66
Midwest	1,211	149	39	120	21	12	353	176	78	131	130
South	1,493	202	79	145	20	57	389	191	44	170	201
West	574	45	31	57	(s)	24	151	112	16	68	63
Year constructed:											
1900 or before	288	51	(s)	24	(s)	(s)	71	35	54	20	(s)
1901 to 1920	388	66	11	43	(s)	(s)	95	41	45	41	(s)
1921 to 1945	726	69	24	55	8	15	194	107	59	90	104
1946 to 1960	946	102	58	78	19	35	311	97	38	98	110
1961 to 1970	721	87	45	76	10	27	187	121	(s)	81	72
1971 to 1973	209	19	6	23	(s)	12	52	45	(s)	22	(s)
1974 to 1979	530	50	20	70	12	7	139	100	(s)	65	57
1980 to 1983	140	14	10	12	3	3	21	28	(s)	18	30
Government occupancy:											
Government occupied	346	46	57	(s)	13	(s)	32	79	(s)	20	83
Non-government occupied	3,602	411	120	372	47	101	1,039	496	233	405	376
FLOORSPACE (mil. sq. ft.)											
All buildings	**52,325**	**5,483**	**6,044**	**2,051**	**2,277**	**2,241**	**10,427**	**8,454**	**2,454**	**6,791**	**6,102**
Region:											
Northeast	11,615	1,053	1,374	392	502	422	2,040	1,774	1,336	1,224	1,498
Midwest	16,059	1,755	1,834	724	1,015	669	3,219	2,178	717	2,130	1,818
South	17,049	1,835	2,082	616	567	803	3,843	2,903	299	2,288	1,613
West	7,602	(s)	754	320	193	346	1,325	1,599	103	1,149	973
Year constructed:											
1900 or before	2,940	373	(s)	129	(s)	(s)	488	429	609	315	263
1901 to 1920	5,453	791	435	249	(s)	(s)	882	715	517	915	394
1921 to 1945	8,639	739	1,084	206	215	523	1,345	1,388	721	1,096	1,263
1946 to 1960	9,612	1,142	1,623	368	751	301	2,120	966	278	1,348	716
1961 to 1970	9,947	895	1,494	390	346	647	1,979	1,779	(s)	1,406	832
1971 to 1973	3,442	318	357	163	(s)	255	736	625	(s)	363	(s)
1974 to 1979	6,616	654	674	376	505	213	1,485	1,370	(s)	797	509
1980 to 1983	5,675	(s)	274	171	130	154	(s)	1,189	(s)	552	1,255
Government occupancy:											
Government occupied	10,099	651	2,625	(s)	552	258	(s)	2,197	(s)	373	1,682
Non-government occupied	42,225	4,831	3,419	1,913	1,725	1,983	8,859	6,257	2,400	6,418	4,420

S Figure does not meet publication standards. [1] Includes vacant commercial buildings.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

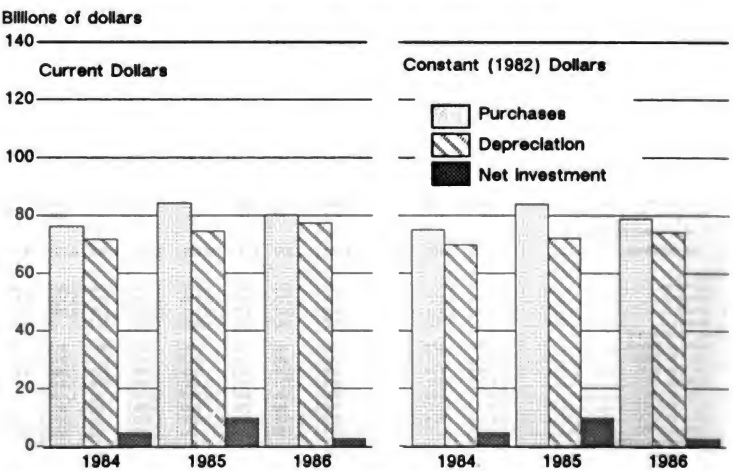
Digitized by Google

Figure 27.1
Manufactures–Summary: 1972 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1241.

Figure 27.2
Capital in Manufacturing Establishments: 1984 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1246.

Digitized by Google



Section 27

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures;* and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin.* Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also section 17, Business Enterprise, in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The most recent, 1985, annual survey is based on a sample of about 56,000 establishments of an approximate total of 350,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1982 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC),* issued by the U.S. Office of Management and Budget (see text, section 13). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual.* It is important to note therefore, that the 1972 edition of the *Manual* was used for the 1972 census; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the 1977 and 1982 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons

Digitized by Google

at any time during the census year. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 130,000 small single-unit manufacturing firms identified as having less than 20 employees (cutoff varied by industry) benefited from this procedure. Data for these single unit companies were estimated on the basis of government administrative records and industry averages. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the *SIC Manual* in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 1240. Gross National Product in Manufacturing in Current and Constant (1982) Dollars: 1970 to 1986

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Current dollars, total	252	357	562	581	643	635	683	772	799	824
Percent of gross national product	25	22	22	21	21	20	20	20	20	19
Durable goods [1]	146	206	345	352	386	363	386	451	470	479
Fabricated metal products	18	27	45	46	50	46	48	55	57	57
Machinery, except electrical	28	42	71	77	86	80	75	85	86	86
Electric and electronic equipment	22	28	49	55	61	62	66	80	87	88
Motor vehicles and equipment	16	20	36	27	32	30	39	50	51	50
Nondurable goods [1]	106	151	217	229	257	272	298	321	329	346
Food and kindred products	27	39	48	52	58	61	65	67	70	71
Paper and allied products	10	14	22	23	25	27	28	32	33	35
Printing and publishing	13	19	29	32	35	38	42	48	52	54
Chemicals and allied products	19	30	44	46	53	55	60	62	61	64
Constant dollars, total	507	548	697	665	676	635	676	758	790	812
Durable goods [1]	305	325	424	402	405	363	390	467	501	518
Fabricated metal products	44	42	55	53	52	46	49	56	58	56
Machinery, except electrical	57	64	84	85	89	80	87	115	138	151
Electric and electronic equipment	34	38	60	63	64	62	66	77	84	85
Motor vehicles and equipment	27	34	48	34	34	30	39	48	48	45
Nondurable goods [1]	202	222	274	264	271	272	285	291	289	294
Food and kindred products	44	48	55	57	58	61	62	61	63	63
Paper and allied products	19	20	27	25	25	27	29	30	31	31
Printing and publishing	30	32	38	37	38	38	40	41	43	42
Chemicals and allied products	34	39	55	50	54	55	60	60	56	56

[1] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *Survey of Current Business,* July 1987 issue.

Digitized by Google

No. 1241. Manufactures—Summary: 1963 to 1985

[For establishment coverage, see text, section 27. Data based on Census of Manufactures, except as noted. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12]

Item	Unit	1963	1967	1972	1977	1980 [1]	1981 [1]	1982	1983 [1]	1984 [1]	1985 [1]
ALL ESTABLISHMENTS											
Number of establishments [2]	1,000	312	311	321	360	(NA)	(NA)	358	(NA)	(NA)	(NA)
With 20 or more employees	1,000	102	110	114	119	(NA)	(NA)	123	(NA)	(NA)	(NA)
Employee size-class:											
Establishments [3]	1,000	305	306	313	351	(NA)	(NA)	348	(NA)	(NA)	(NA)
Under 20	1,000	207	199	203	237	(NA)	(NA)	230	(NA)	(NA)	(NA)
20–99	1,000	70	74	76	78	(NA)	(NA)	84	(NA)	(NA)	(NA)
100–249	1,000	18	20	21	22	(NA)	(NA)	21	(NA)	(NA)	(NA)
250–999	1,000	10	11	11	12	(NA)	(NA)	11	(NA)	(NA)	(NA)
1,000 and over	1,000	3	3	3	2	(NA)	(NA)	2	(NA)	(NA)	(NA)
Form of organization:											
Corporate	1,000	176.2	153.9	233.2	284.2	(NA)	(NA)	283.2	(NA)	(NA)	(NA)
Noncorporate, total [4]	1,000	130.4	33.2	87.5	75.7	(NA)	(NA)	74.0	(NA)	(NA)	(NA)
Individual proprietorship	1,000	99.2	24.9	42.5	52.3	(NA)	(NA)	45.6	(NA)	(NA)	(NA)
Partnership	1,000	27.7	6.7	17.7	18.3	(NA)	(NA)	15.0	(NA)	(NA)	(NA)
Region:											
Northeast	Percent	29.8	29.1	26.3	23.7	24.2	(NA)	23.7	(NA)	(NA)	(NA)
Midwest	Percent	35.4	35.0	34.9	34.4	31.1	(NA)	29.8	(NA)	(NA)	(NA)
South	Percent	21.5	22.7	25.5	27.4	28.5	(NA)	29.5	(NA)	(NA)	(NA)
West	Percent	13.3	13.0	13.4	14.5	16.2	(NA)	17.0	(NA)	(NA)	(NA)
All employees, [5] annual average [6]	**Million**	**17.0**	**19.3**	**19.0**	**19.8**	**20.6**	**20.3**	**19.1**	**18.7**	**19.1**	**18.8**
Payroll, all employees	Bil. dol.	100	132	174	264	350	379	380	395	429	443
Payroll per employee	$1,000	5.9	6.8	9.2	13.5	17.0	18.7	19.9	21.1	24.0	23.6
Production workers, annual average	Million	12.2	14.0	13.5	13.7	13.9	13.5	12.4	12.2	12.6	12.2
Percent of all employees	Percent	71.8	72.2	71.1	69.9	67.3	66.8	64.9	65.2	70.4	64.9
Hours, production workers	Billion	24.5	27.8	26.7	26.7	26.7	26.2	23.5	23.6	24.6	23.7
Hours per worker	1,000	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9
Wages, production workers	Bil. dol.	62	81	106	157	198	212	205	212	232	236
Percent of payroll for all employees	Percent	62.0	61.6	60.6	59.5	56.6	56.0	53.9	53.8	54.1	53.0
Wages per worker	$1,000	5.1	5.8	7.8	11.5	14.3	15.7	16.5	17.4	18.4	19.3
Wages per worker hour	Dollar	2.53	2.92	3.95	5.89	7.41	8.09	8.70	8.99	9.41	9.92
Value added by manufacture [7]	**Bil. dol.**	**192**	**262**	**354**	**585**	**774**	**838**	**824**	**882**	**984**	**999**
Per production worker	$1,000	15.7	18.8	26.2	42.7	55.7	61.8	66.5	72.4	78.2	81.9
Per production worker hour	Dollar	7.83	9.41	13.26	21.93	28.98	31.98	35.01	37.38	39.92	42.10
Per dollar of workers' wages	Dollar	2.90	3.22	3.36	3.72	3.91	3.95	4.02	4.16	4.24	4.25
Cost of materials	Bil. dol.	230	299	407	782	1,094	1,194	1,130	1,170	1,288	1,276
Value of shipments [8]	Bil. dol.	421	557	757	1,359	1,853	2,018	1,960	2,055	2,254	2,279
Per production worker	$1,000	34.4	39.9	55.9	99.2	133.3	149.0	158.1	168.6	179.1	186.8
End-of-year inventories	Bil. dol.	60	84	108	188	262	279	307	308	330	322
Capital expenditures, new [9]	Bil. dol.	11.4	21.5	24.1	47.5	70.1	78.6	75.0	61.9	75.3	83.3
Ratios:											
Value added to shipments	Ratio	45.6	47.0	46.7	42.9	41.8	41.5	42.0	42.9	43.7	43.8
Inventories to shipments	Ratio	14.2	15.0	14.2	13.8	14.1	13.8	15.7	15.0	14.6	14.1
Payroll to value added	Ratio	52.0	50.3	49.1	45.2	45.3	45.2	46.1	44.8	43.6	44.3
Gross book value of depreciable assets	Bil. dol.	158	218	301	439	574	630	692	731	772	821
Machinery and equipment	Bil. dol.	(NA)	157	218	328	434	479	527	559	592	632
Assets per employee	$1,000	9.3	11.3	16.4	22.4	27.8	31.1	36.2	39.1	40.4	43.7
MULTIUNIT COMPANIES											
Establishments	1,000	45.9	51.7	70.2	81.2	(NA)	(NA)	81.7	(NA)	(NA)	(NA)
Employees	Million	11.0	13.3	14.3	15.0	(NA)	(NA)	14.3	(NA)	(NA)	(NA)
Production workers	Million	8.1	9.8	9.8	10.1	(NA)	(NA)	8.8	(NA)	(NA)	(NA)
Payroll, all employees	Bil. dol.	68.2	93.8	138.8	214.2	(NA)	(NA)	307.5	(NA)	(NA)	(NA)
Wages, production workers	Bil. dol.	44.7	60.9	81.9	124.9	(NA)	(NA)	159.1	(NA)	(NA)	(NA)
Value added by manufacture	Bil. dol.	146.6	206.4	286.1	485.0	(NA)	(NA)	678.4	(NA)	(NA)	(NA)
Capital expenditures, new	Bil. dol.	8.9	18.6	20.0	41.0	(NA)	(NA)	65.2	(NA)	(NA)	(NA)
SINGLE UNIT COMPANIES [10]											
Establishments	1,000	260.8	254.0	250.5	278.7	(NA)	(NA)	276.3	(NA)	(NA)	(NA)
Employees	Million	5.2	5.2	4.8	4.6	(NA)	(NA)	4.8	(NA)	(NA)	(NA)
Payroll, all employees	Bil. dol.	25.1	28.5	35.4	49.8	(NA)	(NA)	72.1	(NA)	(NA)	(NA)
Value added by manufacture	Bil. dol.	45.5	55.5	67.9	100.1	(NA)	(NA)	145.7	(NA)	(NA)	(NA)

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures*; see text, section 27. [2] Includes administrative and auxiliary units, except as noted. [3] Excludes administrative offices and auxiliary units. [4] Includes forms of organization not shown separately. [5] Includes data for employees of manufacturing establishments engaged in distribution and construction work. [6] Data are based on pay periods ending nearest 15th of March, May, August, and November. [7] Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. [8] Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. [9] Includes plants under construction and not yet in operation. [10] Beginning 1967, includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, 1977*, and *1982*; and *Annual Survey of Manufactures*.

Digitized by Google

No. 1242. Manufactures—Summary by Industry Group: 1977 to 1985

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of Management and Budget; see text, section 27. See also *Historical Statistics, Colonial Times to 1970*, series P-58–67]

SIC [1] code	Industry group	1977				1982				1985					
		Establishments (number)	All employees		Value added by manufacture [2] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [2] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [2] (mil. dol.)	Value of shipments (mil. dol.)
			Number [3] (1,000)	Payroll (mil. dol.)			Number [3] (1,000)	Payroll (mil. dol.)			Number [3] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)		
(x)	**All manufacturing establishments, incl. central administrative offices**	**359,828**	**19,590**	**264,013**	**585,166**	**358,061**	**19,094**	**379,627**	**824,118**	**1,960,206**	**18,791**	**442,986**	**12,171**	**235,732**	**999,066**	**2,279,132**
20	**Food and kindred products**	**26,656**	**1,520**	**18,544**	**56,062**	**22,130**	**1,488**	**26,068**	**88,419**	**280,529**	**1,423**	**26,077**	**994**	**17,428**	**104,146**	**301,562**
201	Meat products	4,534	309	3,702	7,478	3,623	318	4,993	11,002	67,602	303	4,882	253	3,705	12,959	67,136
202	Dairy products	3,731	154	1,939	5,648	2,724	140	2,553	8,360	38,771	138	2,876	83	1,595	9,629	41,075
203	Preserved fruits and vegetables	2,379	235	2,336	7,685	2,093	220	3,315	12,353	29,874	221	3,781	183	2,785	14,905	35,022
204	Grain mill products	3,043	113	1,576	6,626	2,745	108	2,197	10,333	31,386	99	2,401	67	1,572	12,956	34,044
205	Bakery products	3,386	222	2,866	7,073	2,663	217	4,051	10,650	17,808	209	4,478	118	2,290	12,995	20,834
206	Sugar and confectionery products	1,198	105	1,206	4,151	1,033	96	1,661	6,234	15,576	91	1,846	72	1,323	7,398	17,087
207	Fats and oils	869	41	561	1,905	724	39	774	2,785	16,752	34	753	23	461	2,774	17,505
208	Beverages	3,104	195	2,849	9,901	2,584	194	4,244	16,664	38,801	183	4,625	87	2,166	19,293	43,244
209	Misc. foods and kindred products	4,412	146	1,509	5,596	3,941	158	2,300	10,017	23,959	144	2,436	107	1,532	11,237	25,613
21	**Tobacco products**	**226**	**81**	**751**	**4,334**	**163**	**58**	**1,324**	**8,965**	**16,061**	**49**	**1,369**	**35**	**941**	**11,594**	**18,507**
211	Cigarettes	14	39	568	3,803	14	42	1,094	8,098	12,127	36	1,131	27	800	10,541	14,897
212	Cigars	101	8	55	126	60	5	59	133	254	4	50	3	35	137	244
213	Chewing and smoking tobacco	35	3	32	189	29	3	52	421	665	3	62	2	37	641	947
214	Tobacco stemming and redrying	78	11	96	217	60	8	120	313	3,015	7	127	5	69	575	2,420
22	**Textile mill products**	**7,202**	**876**	**7,881**	**16,105**	**6,630**	**717**	**9,046**	**18,550**	**47,515**	**658**	**9,967**	**565**	**7,809**	**20,693**	**53,277**
221	Weaving mills, cotton	314	117	1,047	1,945	269	77	965	1,638	3,972	62	924	56	792	1,767	4,025
222	Weaving mills, manmade fiber	449	151	1,429	2,791	523	141	1,815	3,489	8,191	115	1,832	100	1,454	3,542	8,402
223	Weaving, finishing mills, wool	165	15	137	313	131	13	176	349	763	13	204	11	155	462	933
224	Narrow fabric mills	335	21	172	351	281	18	216	465	852	17	242	14	174	550	962
225	Knitting mills	2,617	236	1,911	3,863	2,334	205	2,327	4,985	10,966	193	2,633	165	1,981	5,244	11,783
226	Textile finishing, except wool	678	72	734	1,417	753	58	834	1,590	4,972	52	887	43	651	1,758	5,601
227	Floor covering mills	592	56	557	1,530	505	42	603	1,712	5,808	48	827	38	560	2,276	6,061
228	Yarn and thread mills	798	141	1,184	2,255	714	109	1,278	2,318	7,036	104	1,467	94	1,207	2,749	8,019
229	Misc. textile goods	1,254	68	708	1,641	1,120	56	833	2,005	4,935	54	951	44	657	2,346	5,491
23	**Apparel, other textile products**	**26,506**	**1,334**	**9,659**	**19,671**	**24,391**	**1,189**	**12,129**	**26,061**	**53,388**	**1,059**	**12,471**	**904**	**9,003**	**27,728**	**56,993**
231	Men's and boys' suits and coats	737	99	822	1,574	529	75	878	1,683	3,062	65	863	57	668	1,880	3,321
232	Men's and boys' furnishings	3,013	365	2,340	4,935	2,544	299	2,837	6,821	12,727	272	2,943	238	2,241	7,251	13,570
233	Women's and misses' outerwear	11,834	448	3,153	6,430	10,838	419	4,110	8,576	18,225	355	3,865	303	2,662	8,285	17,489
234	Women's, children's undergarments	878	92	613	1,250	755	62	783	1,722	3,323	73	826	63	596	1,759	3,490

See footnotes at end of table.

Digitized by Google

SIC code	INDUSTRY GROUP	Establishments (number)	All employees			Production workers			Value added by manufacture[3] (mil. dol.)	Value of shipments (mil. dol.)	Value added by manufacture[3] (mil. dol.)	New employees			Establishments (number)	Value added by manufacture[3] (mil. dol.)	Value of shipments (mil. dol.)
			Number[2] (1,000)	Payroll (mil. dol.)		Number[2] (1,000)	Payroll (mil. dol.)	Wages (mil. dol.)				Number[2] (1,000)	Payroll (mil. dol.)				
	Apparel, other textile products—Con.																
235	Hats, caps, and millinery	409	15	105	186	419	16	157	285	522	14	167		12	119	297	595
236	Children's outerwear	1,002	71	459	879	968	71	671	1,446	2,711	60	648		51	484	1,470	2,741
237	Fur goods	540	4	52	113	504	3	60	132	419	3	46		2	31	108	384
238	Miscellaneous apparel and accessories	1,284	56	400	845	1,227	50	513	1,088	2,118	43	477		36	295	1,037	2,053
239	Misc. fabricated textile products	6,728	185	1,707	3,458	6,611	174	2,120	4,498	10,291	175	2,539		143	1,866	5,641	13,351
24	**Lumber and wood products**	37,302	992	7,425	16,223	32,984	976	8,446	15,577	42,936	813	10,407		514	7,838	21,066	54,186
241	Logging camps and contractors	15,460	83	1,009	2,419	15,168	61	1,209	1,702	4,274	76	1,250		65	1,253	2,944	8,518
242	Sawmills and planing mills	9,000	211	2,228	4,975	7,403	156	2,306	3,744	11,132	165	2,768		145	2,256	5,397	14,477
243	Millwork, plywood, and structural members	6,149	197	2,216	4,701	6,545	165	2,596	4,460	11,683	196	3,563		162	2,618	6,812	16,707
244	Wood containers	1,849	39	300	540	2,250	36	391	703	1,635	33	450		27	319	841	1,973
245	Wood buildings and mobile homes	1,165	80	858	1,789	1,163	60	860	1,741	4,955	63	1,088		49	709	2,167	5,951
249	Misc. wood products	3,570	83	813	1,800	3,965	77	1,064	2,223	5,255	80	1,259		65	900	2,905	6,559
25	**Furniture and fixtures**	10,236	464	4,448	8,922	10,003	436	6,084	12,623	24,126	472	7,755		380	5,346	16,479	31,264
251	Household furniture	6,181	310	2,669	5,213	5,475	263	3,162	6,455	12,776	272	3,860		230	2,930	7,827	15,838
252	Office furniture	523	45	543	1,226	700	59	1,051	2,477	4,150	68	1,447		50	940	3,631	6,036
253	Public building, related furniture	520	20	214	411	413	19	295	579	1,100	21	378		18	233	728	1,416
254	Partitions, fixtures	2,139	67	674	1,315	2,140	60	1,026	2,089	3,710	61	1,315		32	552	2,554	5,995
259	Misc. furniture and fixtures	997	32	347	747	1,267	36	551	1,239	2,390	43	790		32	471	1,659	3,199
26	**Paper and allied products**	6,545	629	8,943	22,171	6,361	606	12,948	33,376	79,896	604	15,561		492	10,783	40,387	93,414
261	Pulp mills	45	15	283	606	45	14	290	1,110	2,454	15	352		12	213	1,113	2,328
262	Papermills, except building paper	339	127	2,167	5,407	299	122	3,431	8,854	20,995	132	4,259		102	3,162	11,073	24,960
263	Paperboard mills	249	66	1,176	3,081	222	56	1,502	3,740	9,531	54	1,668		41	1,241	4,300	10,494
264	Misc. converted paper products	2,994	207	2,606	7,263	3,006	213	3,961	12,014	26,701	211	4,669		161	3,148	14,832	31,545
265	Paperboard containers and boxes	2,860	204	2,602	5,296	2,781	186	3,517	7,396	19,192	186	4,106		143	2,726	8,626	22,667
266	Building paper and board mills	58	7	97	218	30	4	71	158	366	4	93		3	73	220	470
27	**Printing and publishing**	49,767	1,092	14,025	31,880	53,406	1,292	22,707	54,423	85,797	1,360	28,166		742	13,554	73,064	111,885
271	Newspapers	9,407	350	4,306	9,519	8,846	402	6,555	15,275	21,276	411	7,805		151	2,829	20,426	27,015
272	Periodicals	2,994	70	1,020	3,763	3,328	94	1,966	6,911	11,478	96	2,555		16	272	9,676	15,246
273	Books	2,084	106	1,379	3,291	2,811	122	2,090	6,721	10,132	114	2,539		50	998	9,161	13,116
274	Book publishing	2,084	106	1,379	3,291	2,811	122	2,090	6,721	10,132	114	2,539		50	998	9,161	13,116
275	Commercial printing	26,812	356	4,702	8,531	29,735	452	6,087	15,728	27,700	492	10,057		366	6,662	20,305	36,197
276	Manifold business forms	795	45	575	1,492	810	50	934	2,491	5,059	54	1,200		39	735	3,470	6,669
277	Greeting card publishing	166	18	227	656	154	21	344	1,349	1,894	20	398		11	167	1,895	2,598
278	Blankbooks and bookbinding	1,492	56	579	1,149	1,487	61	903	1,964	2,803	61	1,074		49	735	2,313	3,354
279	Printing trades services	3,592	48	735	1,268	4,178	56	1,102	2,017	2,584	60	1,376		44	927	2,527	3,254

See footnotes at end of table.

Digitized by Google

No. 1242. Manufactures—Summary by Industry Group: 1977 to 1985—Continued

[See headnote, p. 702]

SIC code	Industry group	1977				1982				1985					
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)			Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Wages (mil. dol.)		
28	**Chemicals and allied products**	**12,173**	**880**	**13,839**	**56,721**	**11,901**	**873**	**20,836**	**77,315**	**170,737**	**826**	**23,345**	**478**	**11,862**	**95,258**	**197,311**
281	Industrial inorganic chemicals	1,262	110	1,847	6,467	1,365	108	2,795	8,829	17,280	105	3,214	58	1,622	11,085	20,260
282	Plastics materials, synthetics	551	157	2,471	7,843	606	141	3,451	9,402	28,428	126	3,862	67	2,320	12,196	33,534
283	Drugs	1,243	156	2,460	9,940	1,281	166	3,966	16,981	24,695	164	4,713	79	1,738	22,716	31,332
284	Soap, cleaners, toilet goods	2,526	112	1,526	9,407	2,379	127	2,581	15,282	26,031	123	2,902	72	1,456	17,346	29,555
285	Paints and allied products	1,579	61	883	2,821	1,441	54	1,156	3,953	9,162	56	1,360	29	597	5,169	11,562
286	Industrial organic chemicals	879	153	2,794	12,875	969	144	4,005	12,341	38,157	123	4,087	73	2,210	14,872	41,786
287	Agricultural chemicals	1,325	54	784	3,808	1,127	51	1,156	5,097	14,653	45	1,197	28	666	5,128	14,765
289	Misc. chemical products	2,786	77	1,075	3,539	2,733	82	1,725	5,433	12,330	82	2,012	50	1,055	6,744	14,518
29	**Petroleum and coal products**	**2,206**	**147**	**2,716**	**16,378**	**2,222**	**152**	**4,339**	**22,069**	**208,919**	**126**	**4,132**	**84**	**2,534**	**17,112**	**179,135**
291	Petroleum refining	349	103	2,055	14,424	433	108	3,396	19,247	199,357	86	3,073	56	1,924	13,660	167,502
295	Paving and roofing materials	1,297	32	481	1,272	1,307	30	629	1,743	5,948	29	707	21	462	2,181	7,487
299	Misc. petroleum and coal products	560	12	180	682	582	14	312	1,079	3,614	13	352	7	148	1,272	4,146
30	**Rubber and miscellaneous plastics products**	**11,943**	**721**	**8,536**	**19,740**	**13,449**	**682**	**11,597**	**27,219**	**55,416**	**743**	**14,723**	**578**	**9,794**	**35,708**	**71,324**
301	Tires and inner tubes	200	114	1,832	4,347	164	70	1,734	4,660	9,340	70	2,046	56	1,546	5,300	10,434
302	Rubber, plastics footwear	64	20	159	272	85	18	197	360	706	12	161	10	115	316	647
303	Reclaimed rubber	21	1	12	25	25	1	11	23	45	1	14	1	10	27	52
304	Rubber and plastics hose, belting	146	34	457	974	162	25	503	1,026	1,946	24	513	17	339	1,255	2,311
306	Fabricated rubber products, n.e.c.	1,280	99	1,164	2,352	1,380	89	1,561	3,213	6,366	94	1,975	71	1,254	4,068	8,119
307	Misc. plastics products	10,212	454	4,912	11,770	11,653	479	7,591	17,935	37,013	541	10,014	424	6,530	24,740	49,761
31	**Leather and leather products**	**3,075**	**243**	**1,860**	**3,719**	**2,735**	**200**	**2,219**	**4,773**	**9,719**	**147**	**1,863**	**125**	**1,342**	**4,108**	**8,567**
311	Leather tanning and finishing	465	23	255	535	384	20	311	580	1,753	14	263	12	189	509	1,643
313	Boot, shoe cut stock, findings	190	9	65	109	161	7	81	155	368	5	65	5	46	111	277
314	Footwear, except rubber	611	146	1,032	2,070	751	121	1,250	2,809	5,269	86	1,003	76	771	2,357	4,448
315	Leather gloves and mittens	101	6	34	68	96	4	37	73	178	4	32	3	25	66	176
316	Luggage	298	19	164	326	292	16	194	433	789	13	190	10	105	372	725
317	Handbags and other personal leather goods	678	32	242	472	636	25	271	564	1,035	18	235	15	153	509	948
319	Leather goods, n.e.c.	532	9	68	137	415	7	76	160	327	6	77	5	54	184	349

See footnotes at end of table.

SIC[1] code	INDUSTRY GROUP	Establishments (number)	All employees		Value added by manufacture[2] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture[2] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture[2] (mil. dol.)	Value of shipments (mil. dol.)
			Number[3] (1,000)	Payroll (mil. dol.)			Number[3] (1,000)	Payroll (mil. dol.)			Number[3] (1,000)	Payroll (mil. dol.)	Number[3] (1,000)	Wages (mil. dol.)		
32	Stone, clay, and glass products	17,744	614	7,843	16,130	16,545	532	10,007	22,986	45,181	520	11,476	404	8,196	28,642	55,004
321	Flat glass	82	22	401	931	69	15	241	847	1,666	12	403	10	240	1,240	2,155
322	Glass, pressed or blown	506	117	1,548	3,592	459	97	2,032	4,482	7,941	80	1,959	66	1,564	4,424	7,808
323	Products of purchased glass	1,101	36	429	960	1,337	41	696	1,484	2,977	43	844	33	591	1,995	3,964
324	Cement, hydraulic	201	28	486	1,672	227	25	636	1,816	3,542	21	645	16	457	2,221	4,222
325	Structural clay products	711	45	486	1,058	626	30	491	969	1,868	35	668	28	469	1,466	2,664
326	Pottery and related products	344	43	460	944	310	37	598	1,174	1,942	34	651	27	467	1,300	1,975
327	Concrete, gypsum products	10,844	184	2,967	5,391	9,833	197	2,986	6,060	14,297	173	3,662	133	2,565	9,128	19,475
328	Cut stone and stone products	983	13	192	555	711	11	156	295	555	11	200	9	149	353	674
329	Misc. nonmetallic mineral products	2,390	126	1,635	4,395	2,761	109	2,079	5,296	9,924	107	2,406	78	1,561	6,717	12,127
33	Primary metal industries	7,375	1,114	18,745	37,588	7,861	854	20,603	33,291	104,667	742	18,854	571	14,277	38,992	110,301
331	Blast furnace and basic steel products	1,216	530	10,066	18,318	1,066	366	10,262	14,722	46,720	278	8,467	213	6,206	16,199	48,138
332	Iron and steel foundries	1,465	222	3,329	6,237	1,436	157	3,113	5,362	9,642	136	3,376	109	2,529	5,973	10,610
333	Primary nonferrous metals	160	57	1,032	3,619	161	44	1,307	2,311	11,321	36	1,195	28	853	1,631	9,786
334	Secondary nonferrous metals	460	19	270	769	458	19	402	820	4,852	16	371	12	226	783	4,315
335	Nonferrous rolling and drawing	1,002	177	2,540	5,902	1,022	157	3,936	6,822	25,463	164	4,058	122	2,764	9,715	28,706
336	Nonferrous foundries	1,092	72	1,144	1,995	1,097	75	1,485	2,548	6,883	53	1,185	47	1,059	2,180	6,130
339	Misc. primary metal products	1,180	26	345	765	1,007	26	498	998	2,069	20	502	21	450	1,364	2,613
34	Fabricated metal products	33,712	1,956	21,036	45,512	35,590	1,460	29,283	58,228	119,444	1,473	33,150	1,104	21,977	69,182	139,580
341	Metal cans, shipping containers	2,137	166	2,179	5,171	2,236	141	2,583	6,041	12,062	142	3,216	113	2,230	7,107	12,747
342	Cutlery, handtools, hardware	3,197	192	2,177	4,274	3,298	141	2,545	5,143	10,086	146	3,256	111	2,233	6,509	10,767
343	Plumbing and heating, exc. electric	1,015	53	637	1,574	1,177	48	821	2,023	4,003	49	977	35	616	2,527	4,874
344	Fabricated structural metal products	11,817	426	5,492	11,785	12,661	422	7,897	15,466	34,904	391	6,183	281	5,103	16,322	36,684
345	Screw machine products, bolts, etc	2,627	105	1,414	2,864	2,690	94	1,727	3,309	5,834	97	2,100	75	1,434	4,492	7,743
346	Metal forgings, stampings	3,715	268	4,511	8,913	4,019	236	5,110	9,710	20,057	269	7,148	215	5,273	13,319	28,024
347	Metal services, n.e.c.	5,095	94	1,009	1,963	5,070	97	1,518	2,897	5,125	112	1,997	90	1,329	3,844	6,699
348	Ordnance and accessories, n.e.c.	1,045	70	842	1,737	1,049	79	1,170	1,942	2,993	112	1,559	53	1,139	2,538	3,548
349	Misc. fabricated metal products	6,373	279	3,566	7,655	6,710	284	5,312	11,598	22,274	275	5,766	200	3,598	12,533	23,700
35	Machinery, exc. electrical	46,200	2,043	30,588	67,223	52,812	2,189	44,911	102,270	187,866	1,991	50,905	1,237	26,511	110,224	215,080
351	Engines and turbines	315	130	2,238	4,960	341	112	2,850	6,069	13,040	99	3,123	64	1,660	7,258	14,941
352	Farm and garden machinery	2,259	151	2,197	4,980	3,028	114	2,335	6,145	13,108	129	3,241	82	1,843	7,234	17,661
353	Construction and related machinery	3,429	333	5,191	11,284	3,993	306	7,388	16,453	31,038	229	5,917	143	3,247	13,067	27,685
354	Metalworking machinery	10,630	298	4,514	9,747	10,961	283	6,086	11,285	18,150	264	6,603	191	4,286	12,827	19,592
355	Special industry machinery	4,090	185	2,816	5,271	4,226	183	3,744	7,415	13,128	166	4,127	97	2,468	8,374	14,778
356	General industrial machinery	4,947	314	4,451	9,673	4,961	314	6,493	13,567	24,459	266	6,509	173	3,673	14,336	25,347
357	Office and computing machines	1,317	259	3,849	9,821	2,169	404	9,437	23,386	43,028	407	12,091	158	3,169	27,351	62,221
358	Refrigeration, service machinery	2,114	192	2,516	5,963	1,937	172	3,344	8,121	16,450	183	4,236	128	2,615	9,636	20,930
359	Misc. machinery, except electrical	19,399	223	2,960	5,362	22,247	282	5,235	9,806	14,497	284	6,187	222	4,300	11,751	17,857

See footnotes at end of table.

Digitized by Google

No. 1242. Manufactures—Summary by Industry Group: 1977 to 1985—Continued

[See headnote, p. 702]

SIC [1] code	Industry group	1977				1982				1985					
		Establishments (number)	All employees		Value added by manufacture [2] (mil. dol.)	Establishments (number)	All employees		Value added by manufacture [2] (mil. dol.)	Value of shipments (mil. dol.)	All employees		Production workers		Value added by manufacture [2] (mil. dol.)	Value of shipments (mil. dol.)
			Number [3] (1,000)	Payroll (mil. dol.)			Number [3] (1,000)	Payroll (mil. dol.)			Number [3] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)		
36	**Electric and electronic equipment**	**14,973**	**1,723**	**22,544**	**50,366**	**16,453**	**1,915**	**36,414**	**84,805**	**147,944**	**2,007**	**48,504**	**1,233**	**23,659**	**109,862**	**192,732**
361	Electric distributing equipment	947	115	1,431	3,336	942	105	1,995	4,584	8,108	93	2,026	66	1,236	4,947	8,965
362	Electrical industrial apparatus	1,646	198	2,543	5,614	1,980	191	3,706	7,919	13,825	179	4,055	119	2,268	8,746	15,764
363	Household appliances	666	162	1,898	5,278	630	129	2,223	5,776	12,644	124	2,579	97	1,820	7,338	16,230
364	Electric lighting and wiring equipment	2,009	165	1,925	4,741	1,993	159	2,718	6,619	12,048	164	3,382	123	2,178	8,925	15,806
365	Radio and TV receiving equipment	1,290	98	1,097	3,078	1,032	66	1,154	3,200	7,833	59	1,316	43	827	3,546	10,785
366	Communication equipment	2,385	459	6,995	14,130	2,721	601	13,979	28,299	46,426	672	19,190	333	7,472	46,467	65,393
367	Electronic components, accessories	4,455	374	4,557	9,260	5,455	518	9,770	21,214	34,517	558	12,352	345	5,808	26,368	42,921
369	Misc. electrical equipment, supplies	1,575	152	2,098	4,930	1,700	147	2,869	6,994	12,544	157	3,605	106	2,050	9,525	16,869
37	**Transportation equipment**	**10,176**	**1,788**	**30,673**	**64,291**	**9,443**	**1,596**	**40,812**	**84,932**	**201,346**	**1,757**	**54,592**	**1,180**	**33,171**	**120,953**	**301,388**
371	Motor vehicles and equipment	4 234	876	16,038	37,023	3,867	616	15,393	34,294	112,270	752	23,719	613	18,630	57,127	188,536
372	Aircraft and parts	1,173	431	7,621	14,732	1,471	539	14,718	29,402	52,027	528	17,167	288	8,075	35,798	66,058
373	Ship and boat building and repairing	2,795	220	2,940	4,681	2,566	205	4,326	7,509	13,326	175	4,103	135	2,827	7,207	12,854
374	Railroad equipment	201	56	889	1,883	200	35	790	1,492	3,457	26	762	19	476	1,286	2,736
375	Motorcycles, bicycles, parts	350	16	169	370	273	13	225	403	1,341	9	169	7	122	402	1,044
376	Guided missiles, space vehicles	109	120	2,427	4,422	105	146	4,461	9,857	14,398	218	7,649	84	2,418	17,108	24,737
379	Misc. transportation equipment	1,314	49	591	1,181	961	43	879	1,977	4,528	47	1,024	34	626	2,024	5,422
38	**Instruments and related products**	**7,481**	**559**	**7,520**	**16,762**	**8,045**	**624**	**12,883**	**33,672**	**51,798**	**604**	**14,666**	**348**	**8,693**	**40,278**	**61,008**
381	Engineering, scientific instruments	796	42	584	1,287	771	43	869	2,101	3,046	47	1,074	29	545	2,581	3,934
382	Measuring and control devices	2,079	200	2,666	5,342	2,483	228	4,646	10,007	14,633	217	5,265	120	2,950	11,622	17,480
383	Optical instruments and lenses	545	30	421	897	638	50	1,026	2,368	3,757	53	1,337	27	498	3,160	4,947
384	Medical instruments and supplies	2,355	114	1,319	3,262	2,711	141	2,492	6,978	10,863	152	3,218	98	1,585	9,244	14,203
385	Ophthalmic goods	634	30	314	656	410	26	409	874	1,273	25	434	16	210	996	1,418
386	Photographic equip. and supplies	780	112	1,900	6,732	795	119	3,193	10,860	17,038	99	3,129	50	1,377	12,257	18,114
387	Watches, clocks, and watchcases	302	32	317	685	237	17	248	484	1,188	12	210	9	127	419	912
39	**Misc. manufacturing**	**17,259**	**441**	**4,406**	**10,291**	**15,871**	**383**	**5,647**	**14,059**	**26,891**	**328**	**5,726**	**235**	**3,415**	**14,032**	**26,527**
391	Jewelry, silverware, and plated ware	3,118	61	638	1,449	2,882	50	770	1,784	4,379	47	813	33	461	1,877	4,404
393	Musical instruments	450	25	253	488	452	18	258	495	916	12	203	9	135	407	725
394	Toys and sporting goods	2,910	119	1,112	3,000	2,570	99	1,389	4,810	8,256	74	1,223	55	735	3,875	7,586
395	Pens, office and art goods	967	32	331	868	1,026	32	485	1,263	2,372	28	469	20	292	1,143	2,144
396	Costume jewelry and notions	1,514	51	451	1,002	1,358	42	1,156	2,110	3,990	39	907	29	371	1,484	2,542
399	Misc. manufactures	8,260	152	1,623	3,485	7,585	142	2,217	4,751	6,860	129	2,411	89	1,421	5,246	9,127
(x)	**Administrative and auxiliary [4]**	**9,171**	**1,074**	**21,981**	(x)	**9,676**	**1,276**	**38,220**	(x)	(x)	**1,268**	**46,485**	(x)	(x)	(x)	(x)

X Not applicable. Z Less than $500,000. [1] Standard Industrial Classification Code; see text, section 27. [2] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. [3] See footnote 6, table 1241. [4] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishment of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982, General Summary*, MC77(1)-1 and MC82(1)-1, and *Annual Survey of Manufactures*

Digitized by Google

No. 1243. Percent of Shipments Accounted for by Large Manufacturing Companies, Selected Industries: 1977 and 1982

32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of ments in 1977 of $4 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial ssification Manual* (SIC), see text, section 27. Determination of company affiliation of establishment is based on census rts and publicly available records. "Largest" companies are determined by each company's value added by manufacture *in specified industry*. Industries in the "not elsewhere classified" category are omitted, regardless of their value added]

INDUSTRY	Year	Number of companies	Value added by manufacture [2] (mil. dol.)	Total value of shipments [3] (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
					4 largest	8 largest	20 largest	50 largest
Petroleum refining	1977	192	14,424	91,689	30	53	81	94
	1982	282	19,247	199,357	28	48	76	93
Motor vehicles and car bodies	1977	254	18,724	76,518	93	99	99+	99+
	1982	284	15,456	70,740	92	97	99	99+
Meatpacking plants	1977	2,404	4,010	31,208	19	37	49	62
	1982	1,658	5,825	44,854	20	43	61	75
Blast furnaces and steel mills	1977	395	15,332	41,998	45	65	84	95
	1982	211	11,783	36,824	42	64	82	95
Electronic computing equipment	1977	808	7,624	12,924	44	55	71	85
	1982	1,520	19,598	36,767	43	55	78	82
Motor vehicle parts and accessories	1977	2,194	16,264	35,751	62	70	79	86
	1982	2,000	16,765	36,293	61	69	77	84
Radio and TV communications equipment	1977	1,873	9,938	14,886	20	33	57	73
	1982	2,083	21,178	33,032	22	35	57	73
Aircraft	1977	151	8,134	14,834	59	81	99	99+
	1982	139	15,642	28,024	64	81	98	99+
Newspapers	1977	7,821	9,519	13,056	19	31	45	62
	1982	7,520	15,275	21,276	22	34	49	66
Papermills, exc. building paper	1977	171	5,407	12,813	23	42	70	92
	1982	135	8,954	20,995	22	40	71	93
Commercial printing, lithographic	1977	10,964	5,338	9,360	6	10	17	26
	1982	17,332	11,045	19,441	8	10	17	24
Pharmaceutical preparations	1977	655	8,214	11,459	24	43	73	91
	1982	684	13,484	18,996	26	42	69	90
Fluid milk	1977	1,518	3,176	13,786	18	28	43	60
	1982	853	4,089	18,736	18	27	48	66
Photographic equipment and supplies	1977	702	6,732	9,945	72	86	90	94
	1982	723	10,860	17,038	74	86	91	94
Bottled and canned soft drinks	1977	1,758	4,085	10,007	15	22	36	50
	1982	1,236	6,856	16,806	14	23	39	56
Plastics materials and resins	1977	221	4,143	10,818	22	37	60	87
	1982	263	4,746	15,769	22	38	64	89
Telephone, telegraph apparatus	1977	208	4,192	7,858	(D)	89	94	98
	1982	259	7,121	13,394	76	83	92	97
Bread, cake, and related products	1977	2,549	5,370	9,275	33	40	54	68
	1982	1,869	7,861	13,143	34	47	60	73
Refrigeration and heating equipment	1977	731	4,469	9,638	41	51	67	82
	1982	730	6,049	12,390	34	46	65	80
Cigarettes	1977	8	[4] 3,803	[4] 6,377	(D)	(D)	(X)	(X)
	1982	8	8,098	12,127	(D)	(D)	(X)	(X)
Construction machinery	1977	807	5,744	12,629	47	59	75	86
	1982	817	5,478	11,658	42	52	69	81
Inorganic chemicals	1977	2,860	3,763	6,057	22	35	52	67
	1982	3,143	8,911	11,478	20	31	49	64
Farm machinery and equipment	1977	1,858	4,854	10,282	46	61	70	78
	1982	1,787	5,201	10,743	53	62	69	77
Toilet preparations	1977	644	4,527	6,557	40	56	74	90
	1982	596	7,131	10,183	34	49	71	88
Sawmills and planing mills, general	1977	6,966	4,453	10,867	17	23	36	49
	1982	5,810	3,238	10,065	17	23	34	46
Tires and inner tubes	1977	121	4,347	8,971	70	88	97	99+
	1982	108	4,660	9,340	66	86	98	99+
Soap and other detergents	1977	554	2,868	5,671	59	71	82	89
	1982	642	4,777	9,187	60	73	83	90
Automotive stampings	1977	495	4,655	9,739	65	70	77	84
	1982	566	4,114	8,777	61	66	74	82
Organic fibers, noncellulosic	1977	37	2,804	5,380	78	90	99	100
	1982	44	3,318	8,263	77	91	99	100
Gray iron foundries [5]	1977	865	4,071	7,389	34	44	60	73
	1982	801	3,310	6,202	29	37	53	69
Commercial printing, letterpress	1977	14,375	2,441	4,284	14	19	25	31
	1982	10,211	3,161	5,504	7	10	16	24
Guided missiles and space vehicles	1977	20	3,565	5,314	64	94	100	(X)
	1982	86	1,307	2,302	71	96	100	(X)

(d) to avoid disclosure. X Not applicable. [1] Standard Industrial Classification; see text, section 13. [2] See table 1241. [3] See footnote 8, table 1241. [4] Value of production reported instead of value of shipments; rmula for computing adjusted value added modified to include only changes in work-in-process inventories between ad end of year. [5] Includes foundries producing gray-iron castings for other plants of the same company. percentages do not reflect market shares in industry as such.

S. Bureau of the Census, *Census of Manufactures, 1982, Concentration Ratios in Manufacturing*, MC82-SR-7.

073 O - 88 - 24 : QL 3

Digitized by Google

NO. 1244. MANUFACTURES SUMMARY

[Sum of State totals may not add to U.S. total

	STATE	1977				1982						
		Establishments, total [1]	All employees [2]		Value added by manufacture [4] (mil. dol.)	Establishments, total [1]	All employees [2]		Production workers [3]		Value added by manufacture [4] (mil. dol.)	Value of shipments [5] (mil. dol.)
			Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Wages (mil. dol.)		
1	U.S.	359,928	19,590	264,013	585,166	358,061	19,094	379,627	12,401	204,787	824,118	1,960,206
2	N.E	25,737	1,391	17,603	35,588	25,659	1,445	27,603	916	13,874	56,213	105,938
3	ME	2,157	103	1,078	2,343	2,009	110	1,775	86	1,237	4,038	8,649
4	NH	1,825	95	1,029	2,175	1,981	107	1,792	75	1,055	4,004	7,636
5	VT	1,030	42	498	1,050	1,104	47	863	30	434	2,037	3,730
6	MA	11,133	614	7,819	16,349	11,017	643	12,353	397	6,001	25,966	48,204
7	RI	3,107	125	1,327	2,737	2,855	114	1,760	83	1,052	3,793	7,652
8	CT	6,485	412	5,852	10,934	6,693	424	9,060	245	4,095	16,373	30,067
9	M.A	71,009	3,617	49,843	103,180	65,443	3,353	68,316	2,048	33,333	139,387	294,829
10	NY	36,578	1,510	20,876	44,290	32,651	1,419	29,156	836	13,270	62,907	121,469
11	NJ	15,696	778	10,924	22,853	15,126	754	15,845	440	7,207	31,656	70,420
12	PA	18,735	1,329	18,043	36,017	17,666	1,180	23,315	772	12,856	44,824	102,940
13	E.N.C	69,237	4,974	76,908	160,224	67,378	4,337	92,400	2,664	52,063	184,757	440,702
14	OH	17,354	1,331	20,356	43,055	16,960	1,102	24,740	695	13,816	49,641	112,278
15	IN	8,061	706	10,439	22,716	7,960	585	12,559	406	7,821	25,747	63,332
16	IL	19,517	1,286	18,741	40,279	18,618	1,069	22,681	670	11,931	47,705	112,929
17	MI	15,627	1,116	20,054	37,566	15,158	884	22,223	564	12,505	39,118	99,715
18	WI	8,678	535	7,318	16,606	8,682	497	10,197	329	5,990	22,546	52,448
19	W.N.C	24,321	1,297	17,388	40,866	23,940	1,272	25,430	803	13,852	60,413	155,543
20	MN	6,637	332	4,693	9,605	8,775	350	7,423	201	3,428	15,267	35,321
21	IA	3,783	240	3,383	8,684	3,598	213	4,403	140	2,649	12,078	31,397
22	MO	7,355	433	5,709	13,087	7,069	406	8,013	256	4,199	18,334	41,459
23	ND	571	14	162	473	587	15	246	10	141	652	2,465
24	SD	740	23	251	612	748	25	398	18	262	1,100	3,005
25	NE	1,965	88	1,075	2,867	1,928	91	1,624	64	1,015	4,445	15,143
26	KS	3,270	168	2,115	5,336	3,235	171	3,323	113	1,958	8,437	26,753
27	S.A	47,692	2,823	33,504	72,306	48,855	2,930	45,586	2,061	28,351	112,850	256,625
28	DE	619	67	1,141	1,596	632	68	1,743	32	557	2,467	8,383
29	MD	3,937	243	3,420	7,116	3,883	234	4,859	146	2,551	10,134	21,282
30	DC	555	19	298	610	514	17	394	6	125	929	1,537
31	VA	5,519	395	6,442	10,882	5,568	391	6,849	287	4,192	17,256	36,803
32	WV	1,857	117	1,621	3,880	1,662	96	2,007	65	1,233	4,049	9,869
33	NC	9,954	765	7,519	16,231	10,133	799	11,717	605	7,297	26,492	64,176
34	SC	4,229	374	3,805	8,187	4,206	368	5,540	279	3,578	12,219	27,836
35	GA	8,623	485	5,125	12,549	8,534	503	7,906	369	4,864	19,192	48,056
36	FL	12,399	358	4,133	9,255	13,723	454	7,773	292	3,956	18,112	38,683
37	E.S.C	19,187	1,328	14,506	36,214	18,573	1,241	20,132	924	13,053	49,514	119,898
38	KY	3,548	278	3,452	9,546	3,502	247	4,639	174	2,674	11,820	26,938
39	TN	6,487	490	5,219	12,663	6,417	462	7,378	338	4,603	17,823	40,777
40	AL	5,863	341	3,773	8,406	5,528	330	5,234	254	3,598	12,046	29,794
41	MS	3,289	219	2,062	5,619	3,126	202	2,881	158	1,978	7,825	19,488
42	W.S.C	29,796	1,442	18,319	52,043	31,876	1,648	32,573	1,082	17,861	81,011	271,596
43	AR	3,595	197	1,932	4,882	3,313	190	2,824	149	1,932	7,755	19,747
44	LA	4,276	195	2,683	9,418	4,107	202	4,304	142	2,731	11,755	57,058
45	OK	3,818	164	2,051	4,662	4,168	197	4,010	121	2,065	8,143	23,116
46	TX	18,107	886	11,653	33,081	20,288	1,059	21,435	670	11,233	53,358	171,674
47	M1	13,808	461	5,992	13,621	14,854	556	10,863	342	5,589	23,134	56,997
48	MT	1,168	24	312	802	1,090	20	379	15	265	714	3,868
49	ID	1,495	52	625	1,430	1,404	48	865	34	545	2,077	5,370
50	WY	505	9	111	381	511	10	183	7	115	408	2,558
51	CO	3,948	153	2,125	4,472	4,406	192	3,983	110	1,877	8,057	17,983
52	NM	1,323	29	297	734	1,223	33	521	22	297	1,398	3,815
53	AZ	2,892	111	1,463	3,333	3,407	150	3,037	87	1,423	6,162	12,907
54	UT	1,748	70	867	1,974	1,962	83	1,539	54	837	3,455	8,960
55	NV	729	15	192	495	851	20	356	13	210	863	1,756
56	Pac	59,106	2,255	31,929	71,245	61,483	2,518	53,724	1,543	26,934	116,846	258,280
57	WA	6,723	265	4,054	8,955	6,788	291	6,681	178	3,624	12,596	34,665
58	OR	5,716	202	2,760	6,138	5,659	185	3,783	130	2,334	7,973	17,897
59	CA	45,289	1,752	24,672	54,862	47,625	2,005	42,630	1,209	20,567	94,388	199,695
60	AK	429	11	166	504	445	13	270	10	197	789	2,580
61	HI	949	25	277	786	966	24	360	16	218	1,120	3,443

X Not applicable. [1] Includes central administrative offices and auxiliary units. [2] Includes employment and payroll at administrative offices and auxiliary units. [3] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

Digitized by Google

BY STATE: 1977 TO 1985

because U.S. and State figures were independently derived]

1985						Leading major industry groups ranked by value added by manufacture, 1982	
All employees [3]		Production workers [3]		Value added by manufacture [4] (mil. dol.)	Value of shipments [5] (mil. dol.)		
Number [3] (1,000)	Payroll (mil. dol.)	Number [3] (1,000)	Wages (mil. dol.)				
18,788	**442,954**	**12,174**	**235,713**	**999,328**	**2,279,051**	**Mach. exc. elec.; food; trans. equip.**	1
1,431	33,462	877	15,947	69,342	126,230	(x)	2
106	2,039	82	1,384	4,671	9,776	Paper; leather; food	3
109	2,280	75	1,344	5,045	9,050	Machinery exc. elec.; elec. equip.; paper	4
44	960	29	483	1,740	3,574	Elec; equip; mach., exc. elec.; fabricated metal	5
650	15,327	383	6,912	32,965	60,610	Machinery, exc. elec.; elec equip.; instruments	6
111	2,031	79	1,197	4,289	6,238	Misc. mfg.; fab. metal; elec. equip.	7
411	10,820	229	4,627	20,632	34,980	Trans. equip; mach., exc. elec.; elec. equip.	8
3,102	74,590	1,872	35,281	161,368	324,090	(x)	9
1,305	32,455	747	14,051	73,393	138,217	Printing and publishing; instruments; elec. equip.	10
711	17,526	408	7,777	36,117	75,554	Chemicals; food; electrical equipment.	11
1,086	24,609	717	13,453	51,858	110,319	Machinery, exc. elec.; food; primary metal	12
4,161	110,061	2,748	63,635	234,534	543,418	(x)	13
1,115	29,556	726	17,011	64,157	145,482	Trans. equip.; mach., exc. elec., fab. metal	14
587	14,581	412	9,166	33,481	76,654	Electrical equip.; primary metal.; trans. equip.	15
1,017	25,257	633	13,016	55,589	124,402	Machinery, exc. elec.; food; elec. equipment.	16
952	29,051	644	17,513	53,574	134,043	Trans. equip; mach. exc. elec.; fabricated metal	17
490	11,616	333	6,929	27,753	62,837	Machinery, exc. elec.; food; paper	18
1,294	30,439	810	15,947	73,862	182,563	(x)	19
367	9,298	206	4,056	19,397	42,532	Machinery exc. elec.; food; fabricated metal	20
198	4,603	131	2,707	13,368	32,237	Machinery, exc. elec.; food; electrical equip.	21
414	9,785	263	5,235	21,754	54,872	Transportation equip.; food; chemicals	22
14	265	9	151	736	2,492	Food; mach., exc. elec.; printing and publishing	23
27	447	19	296	1,412	3,585	Food; mach., exc.; elec. equip.	24
90	1,821	64	1,157	5,343	15,215	Food; machinery, exc. elec.; chemicals	25
184	4,220	118	2,345	11,652	31,630	Transportation equip.; food; printing and publishing	26
2,983	59,397	2,099	34,001	145,810	322,663	(x)	27
70	2,122	34	786	3,380	10,789	Chemicals; food; instruments	28
225	5,528	142	2,906	11,907	25,328	Electronic equip.; food; chemicals	29
17	460	6	128	1,223	1,767	Printing and publishing; food; machinery, exc. electric	30
409	6,446	299	5,193	22,075	45,554	Tobacco; chemicals; food	31
85	1,996	60	1,238	4,748	10,603	Chemicals; primary metal; stone, clay, glass	32
812	14,481	603	6,794	39,143	61,985	Textiles; tobacco; electrical equipment.	33
351	6,435	267	4,131	14,636	33,869	Textiles; chemicals; machinery; exc. elec.	34
399	10,247	389	6,233	28,972	63,057	Textiles; food; chemicals	35
475	9,682	299	4,612	21,726	49,691	Food; electrical equip.; transportation equip.	36
1,250	23,864	941	15,556	62,170	148,373	(x)	37
247	5,360	176	3,357	15,515	38,404	Food; machinery, exc. elec.; chemicals	38
468	6,883	344	5,593	22,224	50,611	Chemicals; food; machinery, exc. elec.	39
331	6,234	258	4,276	15,303	36,635	Paper; chemicals; textiles	40
204	3,387	161	2,328	9,128	22,723	Transportation equip; food; electric equip.	41
1,486	34,317	966	18,439	85,252	271,236	(x)	42
190	3,339	150	2,283	8,349	21,840	Food; electionic equipment; paper	43
171	4,149	119	2,602	12,322	52,826	Chemicals; petroleum; food	44
170	4,107	107	2,213	9,368	25,025	Mach; exc. elec.; fab. metal; rubber, plastic	45
955	22,722	590	11,341	55,213	171,543	Machinery, exc. elec.; chemicals; food	46
575	13,338	351	6,670	29,448	65,943	(x)	47
21	423	15	298	867	3,510	Lumber; food; petroleum and coal	48
51	1,043	37	649	2,536	5,821	Food; machinery, exc. elec.; chemicals	49
8	160	6	112	467	2,311	Chemicals; mach., exc. elec.; food	50
167	4,796	105	2,191	10,112	20,619	Machinery, exc. elec.; instruments; food	51
32	633	22	380	1,635	4,074	Petroleum and coal; electric equipment; food	52
163	3,858	94	1,762	7,946	16,721	Elec. equip.; machinery exc. elec.; trans. equip.	53
93	2,017	59	1,048	4,848	10,941	Machinery, exc. elec.; trans. equip; food	54
20	413	13	230	1,035	1,946	Food; printing and publishing; fabricated metals	55
2,510	63,488	1,511	30,242	137,742	294,537	(x)	56
276	7,315	166	3,668	14,819	40,458	Transportation equip.; food; lumber	57
184	4,161	128	2,579	9,507	21,004	Lumber; food; instruments	58
2,017	51,377	1,193	23,601	111,366	227,066	Elec. equip; trans.; equip.; mach., exc. elec.	59
10	234	8	165	855	2,512	Food; petroleum and coal; lumber	60
23	401	16	229	1,195	3,477	Food; textiles; stone, clay, glass products.	61

[4] For definition, see footnote 6, table 1241. [5] See footnote 7, table 1241.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982* and *Annual Survey of Manufactures*.

Digitized by Google

No. 1245. Finances of Manufacturing Corporations: 1970 to 1986

[**In billions of dollars.** Beginning 1986, data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Prior period includes estimates for corporations in this size category. See tables 865 and 866 for individual industry data]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Net sales	709	1,065	1,203	1,328	1,496	1,742	1,897	2,145	2,039	2,114	2,335	2,331	2,221
Net operating profit	50	77	97	107	122	135	129	144	105	125	159	138	125
Net profit:													
Before taxes	48	80	105	115	133	154	145	158	108	133	166	137	129
After taxes	29	49	65	70	81	99	92	101	71	86	108	88	83
Cash dividends	15	20	23	27	29	32	36	40	41	42	45	46	46
Net income retained in business	14	29	42	44	52	66	58	61	30	44	63	42	37

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

No. 1246. Capital in Manufacturing Establishments: 1975 to 1986

[**In billions of dollars, except percent.** Minus sign (–) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1975	1980	1983	1984	1985	1986	1975	1980	1983	1984	1985	1986
Purchases of equipment and structures	38.5	75.3	64.4	76.4	84.3	80.2	65.1	86.8	63.8	75.1	83.9	78.8
Percent equipment	79.3	80.4	79.9	80.3	80.0	81.7	78.7	80.4	80.4	81.6	82.1	83.9
Depreciation (straight line) [1]	28.7	53.1	69.4	71.7	74.6	77.4	49.8	62.0	68.7	69.9	72.1	74.3
Percent equipment	78.7	78.7	79.2	78.8	78.7	78.6	76.6	78.9	79.8	80.0	80.4	80.8
Net investment [2]	9.7	22.2	–4.9	4.6	9.7	2.8	15.3	24.9	–4.9	5.1	11.7	4.5
Net stock, end of year [1]	529.1	944.6	1,080.5	1,132.5	1,147.8	1,159.0	879.1	1,034.0	1,046.8	1,074.2	1,079.5	1,080.2
Equipment and structures	351.3	633.9	764.7	789.0	812.2	835.4	597.2	707.2	737.5	744.2	757.3	763.2
Percent equipment	64.4	67.0	67.2	66.7	66.7	66.7	64.0	67.4	68.0	68.3	68.7	69.2
Inventories	177.8	310.7	315.9	343.4	335.6	323.6	281.9	326.8	309.3	330.0	322.2	317.0

[1] Depreciation and net stock estimates are derived using the perpetual inventory method and the straight-line depreciation formula. [2] Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82* and *Survey of Current Business*, August 1987.

No. 1247. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1986

[**In billions of dollars, except ratio.** See also *Historical Statistics, Colonial Times to 1970*, series P 74–92]

YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)
1950	224	32	1.41	242	41	1970	634	101	1.91	625	106
1951	261	39	1.78	287	67	1971	671	102	1.76	672	107
1952	270	42	1.71	279	76	1972	756	108	1.58	770	120
1953	298	44	1.90	283	60	1973	875	124	1.63	913	158
1954	280	42	1.71	268	48	1974	1,018	158	1.86	1,047	187
1955	318	45	1.63	330	60	1975	1,039	160	1.77	1,023	171
1956	333	51	1.74	340	68	1976	1,186	175	1.66	1,194	180
1957	345	52	1.90	331	53	1977	1,358	188	1.58	1,380	202
1958	327	50	1.75	324	47	1978	1,523	209	1.55	1,579	257
1959	363	53	1.68	369	52	1979	1,727	239	1.61	1,769	299
1960	371	54	1.79	363	45	1980	1,853	262	1.61	1,874	320
1961	371	55	1.67	373	47	1981	2,018	280	1.74	2,013	316
1962	400	58	1.76	401	48	1982	1,960	307	1.91	1,939	303
1963	421	60	1.66	426	53	1983	2,055	308	1.82	2,087	335
1964	448	63	1.62	460	65	1984	2,254	330	1.78	2,281	361
1965	492	68	1.58	505	79	1985	2,279	322	1.72	2,288	370
1966	538	78	1.70	557	97	1986	2,273	314	1.68	2,274	370
1967	558	84	1.71	565	104						
1968	603	90	1.76	608	110						
1969	642	98	1.81	647	115						

[1] Beginning in 1982 inventories are stated at current cost and are not comparable to the book value estimates for prior years. [2] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1978–1986*, series M3-1.86, and monthly reports.

Digitized by Google

48. Value of Manufactures Shipments and Inventories—Selected Industries: 1979 to 1986

[In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series P 74–79]

Industry	1979	1980	1981	1982	1983	1984	1985	1986
Shipments, total	1,727.2	1,852.7	2,017.5	1,960.2	2,054.9	2,254.4	2,279.1	2,273.3
able goods industries [1]	912.7	936.6	1,006.5	952.2	1,018.5	1,158.5	1,187.2	1,201.7
tone, clay, and glass products	46.0	46.1	48.0	45.2	48.7	53.4	55.1	56.8
rimary metals	137.4	133.9	141.9	104.7	108.5	119.1	110.3	101.7
abricated metal products	113.8	116.2	123.7	119.4	122.1	135.9	139.8	136.0
lachinery, exc. electrical [2]	166.5	180.7	201.5	187.9	179.0	210.4	215.1	205.8
Engines and turbines	13.2	13.7	15.3	13.0	12.2	15.5	14.9	14.8
Construction mining and material handling equipment	31.5	33.8	39.0	32.0	24.8	27.1	27.7	26.6
Office and computing machines	26.6	32.4	37.8	43.0	48.2	59.7	62.2	56.2
lectrical machinery [2]	116.0	128.8	140.2	147.9	159.2	187.8	192.7	205.6
Elec. transmission and distribution	20.0	21.3	23.4	21.9	21.5	24.7	24.7	25.4
Household appliances	12.7	12.9	13.1	12.8	14.5	16.3	16.2	17.1
Radio and TV	8.1	8.5	8.8	7.8	8.9	9.9	10.8	12.9
Communication equipment	30.3	36.0	40.3	46.4	49.9	56.7	65.4	69.7
Electronic components	22.7	27.8	30.4	34.5	37.2	39.0	42.9	44.0
ransportation equipment [2]	201.6	186.5	205.2	201.3	244.1	281.2	301.4	314.1
Motor vehicles and parts	131.4	104.6	117.0	112.3	147.3	179.3	188.5	194.7
Aircraft, missiles, and parts	48.3	58.5	64.8	66.4	74.8	78.8	90.8	99.0
istruments and related products [2]	37.7	44.1	48.3	51.8	53.8	59.4	61.0	60.9
Scientific and engineering equipment	21.8	25.8	28.7	32.3	33.6	38.3	40.6	40.8
Photographic goods	13.4	15.9	18.9	17.0	17.4	18.7	18.1	18.0
ndurable goods industries [2]	814.5	922.1	1,011.1	1,008.0	1,035.4	1,095.0	1,092.0	1,071.6
ood and kindred products [2]	236.0	256.2	272.1	280.5	287.1	300.0	301.6	314.5
Beverages	29.3	33.0	36.1	38.8	40.2	41.2	43.2	43.9
obacco products	10.8	12.2	13.1	16.1	16.3	17.4	18.5	18.0
extile mill products	45.1	47.3	50.3	47.5	53.4	55.5	53.3	54.6
aper and allied products [2]	65.2	72.8	80.2	79.9	84.8	94.8	93.4	103.8
Paper, pulp, paperboard mill products	28.0	31.8	35.1	34.0	36.1	41.4	39.2	44.0
Paperboard containers	16.0	17.2	19.0	19.2	20.5	22.8	22.7	22.4
hemicals and allied products [2]	147.7	162.5	180.5	170.7	183.2	198.2	197.3	198.3
Industrial inorganic chemicals	52.3	57.3	62.7	53.2	56.8	61.5	59.5	56.5
Drugs, soaps, toiletries	36.7	41.9	46.9	50.7	54.4	57.5	60.9	69.2
etroleum and coal products	148.4	198.7	224.1	206.9	192.6	189.0	179.1	129.3
ubber and plastics products	46.8	47.3	53.2	55.4	60.3	69.5	71.3	72.2
Inventories, total (Dec. 31)	239.1	261.7	279.5	307.2	306.0	329.6	322.3	313.7
rable goods industries [1]	158.5	172.2	183.6	197.0	196.6	214.5	209.8	204.0
tone, clay, and glass products	5.4	5.8	6.3	6.7	6.9	7.1	7.0	6.9
rimary metals	22.6	23.1	25.7	23.9	22.0	21.9	19.4	17.1
abricated metal products	18.8	19.2	19.9	21.1	21.6	22.6	21.9	20.9
lachinery, exc. electrical [2]	36.8	40.3	43.0	47.2	43.9	47.4	44.6	40.8
Engines and turbines	2.6	2.8	2.8	3.3	2.9	3.0	2.6	2.7
Construction mining and material handling equipment	8.1	9.2	9.9	11.9	9.9	9.1	7.7	6.8
Office and computing machines	6.8	8.4	9.2	10.0	10.5	13.2	11.9	9.6
lectrical machinery [2]	22.6	25.4	27.8	30.0	31.4	37.6	37.5	38.1
Elec. transmission and distribution	4.0	4.1	4.6	4.9	4.7	5.3	5.0	4.7
Household appliances	1.8	1.8	2.0	2.3	2.4	2.7	2.5	2.6
Radio and TV	1.2	1.3	1.4	1.1	1.1	1.4	1.3	1.8
Communication equipment	7.3	8.8	9.9	10.8	11.8	14.7	15.6	18.1
Electronic components	4.4	5.4	5.7	6.4	6.8	8.0	7.6	7.7
ransportation equipment [2]	31.1	35.3	37.0	42.3	43.5	49.5	51.0	51.5
Motor vehicles and parts	10.7	9.6	8.9	8.5	10.1	11.6	11.7	11.1
Aircraft, missiles, and parts	16.4	21.7	24.1	29.7	29.8	34.4	35.9	36.8
nstruments and related products [2]	7.7	8.8	9.4	10.9	11.2	12.2	12.4	12.2
Scientific and engineering equipment	5.2	6.0	6.4	7.7	7.9	8.9	9.1	9.0
Photographic goods	1.9	2.2	2.4	2.6	2.8	2.7	2.7	2.7
ndurable goods industries [2]	80.6	89.5	95.8	110.2	111.4	115.1	112.4	109.7
ood and kindred products [2]	20.6	22.4	22.1	23.8	24.1	24.4	24.0	24.0
Beverages	3.6	3.8	3.8	4.4	4.3	4.4	4.6	4.7
obacco products	3.8	3.9	4.8	7.2	7.2	6.9	6.2	5.9
extile mill products	6.0	6.5	6.7	6.6	7.3	7.5	7.0	8.4
aper and allied products [2]	6.8	7.7	8.5	8.9	9.2	10.1	9.9	10.4
Paper, pulp, paperboard mill products	2.4	2.9	3.2	3.5	3.4	3.8	3.8	4.1
Paperboard containers	1.9	1.9	2.3	2.3	2.5	2.7	2.5	2.8
hemicals and allied products [2]	17.3	19.6	22.0	23.6	24.4	25.5	25.1	27.0
Industrial inorganic chemicals	5.4	6.5	7.3	7.9	7.7	8.0	7.5	8.2
Drugs, soaps, toiletries	5.4	5.9	6.4	6.7	7.0	7.5	7.7	8.4
etroleum and coal products	7.7	9.9	10.6	17.2	15.1	14.3	13.9	9.6
ubber and plastics products	6.0	6.0	6.5	7.2	7.4	8.2	8.4	8.5

icable. [1] Standard Industrial Classification. [2] Includes industries not shown separately.

. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1979–1986*, 5 and monthly reports.

Digitized by Google

No. 1249. Industrial Production Indexes, by Industry: 1970 to 1986

[1977 = 100. Based on 1977 *Standard Industrial Classification Manual*; see text, section 6. See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18–39]

SIC [1] code	Major industry group	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986
(x)	**Industrial production**	**79**	**85**	**93**	**107**	**111**	**109**	**111**	**103**	**109**	**121**	**124**	**125**
(x)	**Manufacturing**	**77**	**83**	**92**	**107**	**112**	**100**	**111**	**102**	**110**	**123**	**126**	**129**
(x)	**Durable goods**	**78**	**83**	**91**	**108**	**114**	**109**	**111**	**100**	**108**	**124**	**127**	**128**
24	Lumber and products	81	81	92	102	102	93	90	83	100	109	113	123
25	Furniture and fixtures	75	80	89	109	112	109	110	105	118	134	140	147
32	Clay, glass, and stone products	76	83	93	109	111	102	99	89	99	113	116	120
33	Primary metals	95	88	99	107	109	90	95	66	73	82	81	76
34	Fabricated metal products	82	83	92	106	109	102	102	87	89	103	107	107
35	Nonelectrical machinery	73	85	89	112	123	123	130	116	118	142	145	142
36	Electrical machinery	69	77	87	113	126	130	134	128	144	171	168	167
37	Transportation equipment	75	81	92	106	108	97	95	88	99	112	121	126
38	Instruments	80	81	89	112	118	122	126	125	123	137	139	141
(x)	**Nondurable goods**	**76**	**85**	**93**	**106**	**108**	**107**	**110**	**106**	**114**	**122**	**125**	**131**
20	Food	82	90	96	104	107	111	114	115	120	127	130	134
21	Tobacco products	92	100	105	105	105	106	109	105	101	100	100	96
22	Textile mill products	81	85	94	103	104	101	98	89	101	104	103	113
26	Paper and products	81	85	96	107	111	111	112	109	120	127	128	136
27	Printing and publishing	82	84	91	108	113	115	119	120	130	147	154	160
28	Chemicals and products	67	83	93	107	111	106	113	104	114	122	127	133
29	Petroleum products	80	87	93	103	102	94	89	84	84	87	87	82
30	Rubber and plastics products	58	73	85	108	115	108	116	110	124	144	147	153
31	Leather and products	117	102	102	102	95	93	93	82	82	77	69	61
(x)	**Mining**	**99**	**97**	**97**	**104**	**106**	**112**	**118**	**109**	**103**	**111**	**109**	**106**
(x)	**Utilities**	**81**	**94**	**97**	**103**	**106**	**107**	**107**	**105**	**105**	**111**	**112**	**110**

X Not applicable. [1] Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1250. Index of Manufacturing Capacity and Relation of Output to Capacity: 1950 to 1987

[**1977 output = 100.** Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

Year	Index of capacity	Relation of output to capacity (percent): All manufacturing	Primary processing	Advanced processing
1950	40	83	89	80
1960	60	90	80	81
1965	73	90	91	89
1970	97	79	81	78
1971	101	77	80	76
1972	104	83	86	81
1973	108	87	91	85
1974	112	83	85	82
1975	116	72	72	73
1976	119	77	79	77
1977	123	81	83	81
1978	127	84	86	83
1979	132	85	87	84
1980	137	79	78	80
1981	141	78	78	78
1982	145	70	68	72
1983	149	74	74	74
1984	153	81	82	80
1985	154	80	82	79
1986	158	80	84	78
1987 1st qtr	160	80	85	78
2d qtr	161	80	85	78

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization In Manufacturing, Mining, Utilities, and Industrial Materials*, G.3., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

No. 1251. Large Manufacturing Companies—Adequacy of Capital Facilities: 1970 to 1986

[**Percent distribution.** As of **July.** Number of companies weighted by company assets. Based on replies to the question, "In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now: Inadequate, Sufficient, or More than adequate?," as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

Year	Inadequate	Sufficient	More than adequate
1970	28	60	12
1972	16	71	13
1973	45	53	2
1974	57	40	3
1975	19	43	38
1976	18	65	17
1977	20	66	14
1978	20	62	18
1979	20	69	11
1980	12	57	31
1981	9	51	40
1982	8	45	47
1983	6	48	46
1984	8	55	37
1985	10	52	38
1986	8	57	35

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (copyright).

Digitized by Google

NO. 1252. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY INDUSTRY: 1980 TO 1986

[**In millions of dollars.** Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **expenditures:** Cost of new plant and equipment]

INDUSTRY	APPROPRIATIONS					EXPENDITURES				
	1980	1983	1984	1985	1986	1980	1983	1984	1985	1986
Total	**104,831**	**88,180**	**116,056**	**107,142**	**87,557**	**88,209**	**75,710**	**90,308**	**99,569**	**93,936**
Food and beverages	6,603	5,909	6,993	8,127	7,968	6,014	5,426	5,374	6,552	7,214
Paper and allied products	3,578	3,231	5,936	3,269	4,646	3,859	3,357	3,842	4,001	4,418
Chemicals and allied products	12,170	10,002	11,831	11,479	11,572	10,918	9,340	11,211	10,619	11,961
Petroleum and coal products	32,875	25,718	25,458	24,669	13,964	22,228	20,441	21,632	21,863	14,321
Primary iron and steel	2,889	2,113	2,125	2,001	1,826	3,458	2,136	1,984	2,591	1,726
Electrical machinery and equipment	6,544	8,869	11,987	8,254	9,270	6,271	6,964	10,100	9,075	10,450
Machinery, except electrical	9,366	7,909	10,854	11,406	7,818	9,826	7,766	8,648	10,215	6,972
Motor vehicles and equipment	7,110	5,807	16,686	11,711	8,470	5,555	4,007	6,991	10,435	12,137
Other transportation equipment	4,201	3,601	5,059	6,200	5,269	4,039	3,179	4,338	5,133	6,146
Instruments and photo equipment	3,114	3,614	4,859	4,015	3,669	2,889	3,145	4,202	3,763	3,363
Rubber products	902	965	1,616	4,306	1,498	801	889	1,216	3,531	2,593
Other manufacturing	15,279	10,442	12,652	11,703	13,787	12,351	9,058	10,770	11,791	12,635

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations*. (Copyright.)

NO. 1253. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1980 TO 1986

[World exports = exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, West Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percents are calculated from the values of exports of the five commodity groups from each of the 15 countries. Percentage shares are based on dollar values calculated at current exchange rates. Details are reported according to Revision 2 of the United Nations Standard International Trade Classification (SITC)]

PRODUCT CATEGORY	TOTAL (bil. dol.)						PERCENT OF WORLD EXPORTS					
	1980	1982	1983	1984	1985	1986	1980	1982	1983	1984	1985	1986
Total [1]	**147.2**	**144.1**	**136.4**	**148.2**	**150.7**	**155.1**	**16.8**	**17.8**	**17.0**	**17.3**	**16.7**	**14.1**
Machinery	57.1	61.1	56.3	63.0	62.7	64.0	21.4	23.8	22.2	22.8	21.4	18.3
Transport equipment	28.9	28.0	28.4	30.0	35.2	35.4	18.3	17.4	17.6	17.3	18.7	15.7
Chemicals	20.8	20.1	19.9	22.6	21.5	22.4	17.9	19.1	18.3	19.5	17.9	15.5
Basic manufactures [2]	23.3	18.2	16.1	16.4	15.0	15.2	10.1	9.8	8.9	8.7	7.9	6.8
Misc. articles [3]	17.0	16.8	15.6	16.2	16.3	18.1	16.0	16.9	15.9	15.6	14.6	11.8

[1] Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. [2] Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. [3] Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Business America*, biweekly; and *Market Share Reports*, annual.

NO. 1254. FOREIGN DIRECT INVESTMENT POSITION IN THE U.S. FOR MANUFACTURING: 1980 AND 1986

[In millions of dollars]

AREA OR COUNTRY	TOTAL [1]		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986
All countries [1]	**32,993**	**68,057**	**4,896**	**11,864**	**10,439**	**22,990**	**3,576**	**7,765**	**6,988**	**10,033**
Canada	5,227	5,389	(D)	192	116	266	801	2,280	1,173	1,801
Europe [2]	21,953	55,077	2,088	11,249	8,162	20,715	2,194	3,046	4,463	7,840
Belgium	386	560	(Z)	(D)	185	439	157	(D)	6	−33
France	2,291	5,989	111	369	633	3,091	555	684	61	215
Italy	50	73	(D)	(D)	(D)	1	5	(D)	14	20
Luxembourg	85	47	(D)	(D)	–	–	(D)	(D)	2	3
Netherlands	4,777	14,712	225	4,851	2,002	4,583	170	462	1,094	1,966
United Kingdom	6,159	14,999	1,098	2,918	2,301	5,415	524	801	1,097	1,749
Sweden	994	2,421	1	−1	67	211	148	519	613	1,329
Switzerland	3,116	7,750	586	(D)	1,154	2,130	264	(D)	681	811
West Germany	3,875	7,936	43	39	1,815	4,772	333	168	832	1,732
Japan	1,033	3,017	98	155	224	289	78	552	318	873
Australia, New Zealand, and South Africa	87	1,111	4	142	5	11	44	502	−2	10
Latin America	4,571	3,007	101	48	1,929	1,674	412	1,280	1,027	−345
Middle East	83	92	(D)	(D)	1	−1	(D)	(D)	(Z)	8
Other Africa, Asia and Pacific	38	365	(D)	(D)	(Z)	35	(D)	(D)	8	47

– Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than $500,000.
[1] Includes other manufacturing, not shown separately. [2] Includes other countries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, October 1984 and August 1987 issues.

Digitized by Google

No. 1255. Employment Related to Manufactured Exports by Industry: 1977 to 1984

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	1977			1980			1983			1984		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment
U.S.	89,369	3,258	3.6	100,260	4,808	4.8	105,831	3,962	3.7	108,057	4,097	3.8
Manufacturing	19,590	1,990	10.2	20,647	2,639	12.8	18,737	2,173	11.6	19,141	2,179	11.4
Nonmfg	69,779	1,268	1.8	79,613	2,170	2.7	87,094	1,789	2.1	88,918	1,918	2.2
Trade	18,653	489	2.9	19,737	845	4.3	21,059	818	3.9	21,501	875	4.1
Business serv	16,750	215	1.3	17,245	575	3.3	19,515	178	.9	20,105	198	1.0
Transp [1]	4,797	185	3.9	6,369	305	4.8	5,697	237	4.2	5,966	258	4.3
Agriculture	3,044	129	4.2	3,225	144	4.5	3,697	121	3.2	3,576	122	3.4
Mining	747	34	4.6	947	69	7.3	1,071	43	4.0	1,027	46	4.5
Other	27,788	216	.8	32,090	233	.7	36,055	394	1.1	36,743	420	1.1

[1] Includes communications and utilities.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

No. 1256. Export-Related Shipments and Employment of Manufacturing Establishments, 1963 to 1984, and by Industry, 1984

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC [1] code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Total [2] (bil. dol.)	Export related			Export related as percent of shipments	Total [3] (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct exports [3] (bil. dol.)	Supporting exports [4] (bil. dol.)			Total [3] (1,000)	Direct exports [5] (1,000)	Supporting exports [4, 5] (1,000)	
(x)	1963	420.5	16.5			3.9	16,958	(NA)			(NA)
(x)	1972	756.5	36.7			4.9	19,027	770			4.0
(x)	1977	1,358.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106	884	10.2
(x)	1980	1,852.7	249.8	151.2	98.6	13.5	20,647	2,639	1,486	1,153	12.8
(x)	1981	2,017.5	271.7	164.3	107.4	13.4	20,264	2,604	1,486	1,118	12.9
(x)	1983	2,055.3	246.4	141.6	104.8	12.0	18,737	2,173	1,118	1,056	11.6
(x)	1984, total [6]	2,253.8	268.3	151.0	117.3	11.9	19,141	2,179	1,083	1,095	11.4
20	Food and kindred products	300.0	14.5	10.7	3.8	4.8	1,437	53	38	15	3.7
21	Tobacco products	17.4	2.5	2.2	.3	14.6	52	11	10	1	20.3
22	Textile mill products	55.4	4.1	1.7	2.4	7.4	711	48	17	31	6.8
23	Apparel, other textile products	57.6	1.7	1.1	.6	3.0	1,152	23	12	10	2.0
24	Lumber and wood products	54.7	4.5	2.4	2.2	8.3	643	42	18	24	6.6
25	Furniture and fixtures	30.0	.8	.5	.3	2.7	474	12	7	5	2.4
26	Paper and allied products	94.8	10.1	3.8	6.3	10.6	613	59	18	41	9.7
27	Printing and publishing	103.5	4.3	1.3	3.1	4.2	1,325	51	11	40	3.9
28	Chemical and allied products	198.3	32.9	20.1	12.8	16.6	845	128	80	48	15.1
29	Petroleum and coal products	189.0	14.8	3.9	10.9	7.8	137	10	4	6	7.2
30	Rubber, misc. plastics products	69.5	8.1	2.8	5.3	11.7	732	81	25	57	11.1
31	Leather, leather products	9.3	.6	.5	.1	6.8	170	6	5	1	3.5
32	Stone, clay, glass products	53.4	3.9	1.7	2.2	7.2	533	39	17	22	7.3
33	Primary metal industries	119.1	23.3	4.0	19.3	19.5	805	154	23	131	19.1
34	Fabricated metal products	135.9	15.8	6.0	9.8	11.6	1,482	174	62	112	11.8
35	Machinery, except electric	210.4	45.2	32.2	12.9	21.5	2,052	408	275	133	19.9
36	Electric, electronic equipment	188.0	34.2	17.4	16.8	18.2	2,033	381	182	199	18.7
37	Transportation equipment	280.2	35.8	29.4	6.4	12.8	1,709	218	179	39	12.8
38	Instruments and related products	59.4	9.1	7.9	1.3	15.4	612	98	84	15	16.0
39	Misc. manufacturing	27.8	2.0	1.6	.5	7.4	355	23	17	7	6.5

NA Not available [1] Standard Industrial Classification; see text, section 13. [2] Includes total domestic and export shipments for all manufacturing establishments. [3] Includes only the value of manufactured products exported by the producing plants. [4] Includes shipments of components, parts, supplies, etc., used by plants producing the export products. [5] Includes employees of central administrative offices and auxiliaries. [6] Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value. [7] Manufacturing employment at establishment producing components, parts, supplies, etc for use by plants producing for export. [8] Includes administrative and auxiliary units, not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1972, and 1977*, and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

Digitized by Google

NO. 1257. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, BY STATE: 1984

[See headnote, table 1256. For composition of regions, see fig. I, inside front cover. Includes employees of central administrative and auxiliary offices]

REGION, DIVISION, AND STATE	MANUFACTURES SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
		Export related					Export related			
	Total (bil. dol.)	Total (bil dol.)	Direct exports (bil. dol.)	Supporting exports (bil. dol.)	Export related as percent of shipments	Total (1,000)	Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	Export related as percent of total employment
U.S	**2,253.8**	**268.3**	**151.0**	**117.3**	**11.9**	**19,141**	**2,179**	**1,083**	**1,095**	**11.4**
Region:										
Northeast	448.5	54.8	31.2	24.1	12.2	4,667	552	267	286	11.8
Midwest	717.2	81.0	44.9	36.0	11.3	5,546	645	300	345	11.6
South	735.7	83.1	44.1	38.9	11.4	5,619	560	273	287	9.8
West	352.5	49.4	31.0	18.4	14.0	3,112	423	244	177	13.6
New England	**124.5**	**18.0**	**11.2**	**7.1**	**14.5**	**1,456**	**195**	**103**	**93**	**13.4**
Maine	9.9	1.2	.7	.5	12.2	108	11	6	5	10.3
New Hampshire	8.8	1.1	.6	.6	12.9	114	14	6	8	11.9
Vermont	3.8	.6	.3	.3	16.2	44	7	3	3	15.2
Massachusetts	58.6	8.8	5.5	3.3	15.0	657	91	48	43	13.8
Rhode Island	8.5	.9	.5	.5	11.1	114	12	6	7	10.5
Connecticut	34.9	5.4	3.6	1.9	15.6	419	60	34	27	14.4
Middle Atlantic	**324.0**	**36.8**	**20.0**	**17.0**	**11.4**	**3,211**	**357**	**164**	**193**	**11.1**
New York	133.9	16.0	9.8	6.2	11.9	1,347	151	78	73	11.2
New Jersey	77.7	8.0	4.3	3.6	10.3	738	79	32	47	10.8
Pennsylvania	112.4	12.8	5.9	7.0	11.4	1,126	127	54	73	11.3
East North Central	**536.4**	**62.6**	**33.5**	**29.0**	**11.7**	**4,238**	**505**	**224**	**280**	**11.9**
Ohio	141.6	17.4	9.0	8.4	12.3	1,128	144	66	78	12.8
Indiana	76.9	9.4	4.4	4.9	12.2	609	72	32	40	11.8
Illinois	125.8	13.3	6.4	6.9	10.6	1,056	117	46	70	11.0
Michigan	130.1	16.7	10.6	6.1	12.6	944	118	56	62	12.5
Wisconsin	62.0	5.8	3.1	2.7	9.3	501	54	24	30	10.7
West North Central	**180.8**	**18.4**	**11.4**	**7.0**	**10.2**	**1,308**	**140**	**76**	**66**	**10.7**
Minnesota	42.8	5.3	3.1	2.1	12.4	373	47	23	25	12.7
Iowa	33.5	3.3	2.1	1.2	9.8	202	20	12	8	10.1
Missouri	52.7	5.4	3.4	2.0	10.2	415	43	24	20	10.4
North Dakota	2.6	.3	.2	.1	11.2	14	2	1	1	11.4
South Dakota	3.5	.2	.2	.1	7.0	27	2	1	1	6.7
Nebraska	15.1	1.3	.8	.5	8.7	92	9	5	4	10.0
Kansas	30.6	2.6	1.6	1.0	8.8	185	17	10	7	9.2
South Atlantic	**311.8**	**33.8**	**18.8**	**14.9**	**11.1**	**3,011**	**275**	**130**	**146**	**9.1**
Delaware	9.8	1.1	.7	.4	11.7	89	9	3	6	12.8
Maryland	23.8	2.3	1.1	1.2	9.9	229	24	12	12	10.7
District of Columbia	1.7	.1	(Z)	(Z)	4.2	15	1	(Z)	1	3.9
Virginia	43.9	4.8	2.9	1.9	10.9	408	37	19	18	9.0
West Virginia	10.8	1.9	.9	1.0	17.2	87	11	5	7	13.1
North Carolina	78.8	8.5	4.8	3.7	10.8	828	69	31	38	8.3
South Carolina	34.0	4.0	1.9	2.1	11.7	365	34	14	20	9.4
Georgia	61.8	5.1	2.7	2.4	8.2	542	42	20	22	7.7
Florida	47.8	6.0	3.8	2.2	12.5	468	48	26	22	10.2
East South Central	**145.6**	**15.5**	**8.0**	**7.5**	**10.7**	**1,277**	**114**	**54**	**60**	**8.9**
Kentucky	37.4	4.1	2.1	2.0	10.9	252	26	12	14	10.3
Tennessee	49.5	5.0	2.7	2.3	10.1	477	42	21	21	8.7
Alabama	36.3	4.2	2.0	2.2	11.8	341	31	14	17	9.1
Mississippi	22.4	2.2	1.2	1.0	10.0	207	15	7	8	7.0
West South Central	**278.3**	**33.8**	**17.3**	**16.5**	**12.1**	**1,531**	**171**	**89**	**81**	**11.2**
Arkansas	22.9	2.4	1.3	1.1	10.5	200	16	7	9	8.1
Louisiana	55.0	7.0	3.5	3.5	12.7	182	19	9	9	10.2
Oklahoma	24.5	2.3	1.2	1.1	9.3	174	19	11	8	11.0
Texas	175.9	22.1	11.3	10.8	12.6	975	117	62	55	12.0
Mountain	**65.6**	**8.3**	**4.5**	**3.7**	**12.7**	**576**	**76**	**42**	**33**	**13.2**
Montana	3.8	.3	.1	.3	8.4	22	1	(Z)	1	6.3
Idaho	6.2	.7	.4	.2	10.7	50	5	3	2	9.7
Wyoming	2.4	.2	(Z)	.1	6.3	9	1	(Z)	(Z)	5.9
Colorado	21.3	2.8	1.9	.9	13.1	191	27	17	10	14.0
New Mexico	3.9	.3	.1	.2	8.4	31	3	2	1	9.9
Arizona	15.9	2.5	1.2	1.3	15.6	161	26	13	13	15.9
Utah	10.3	1.3	.7	.6	12.6	93	11	6	5	12.1
Nevada	1.8	.2	.1	.1	10.3	19	2	1	1	10.5
Pacific	**286.9**	**41.1**	**26.5**	**14.7**	**14.3**	**2,536**	**347**	**202**	**144**	**13.7**
Washington	38.6	8.6	6.9	1.7	22.4	277	48	36	12	17.2
Oregon	21.0	2.7	1.6	1.1	12.9	191	25	15	10	13.0
California	221.5	28.8	17.1	11.7	13.0	2,036	271	149	122	13.3
Alaska	2.4	.6	.6	.1	27.2	9	2	2	(Z)	26.7
Hawaii	3.4	.4	.3	.1	12.1	23	1	(Z)	(Z)	3.1

Z Less than $50 million or fewer than 500.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products* M84(AS)-5.

Digitized by Google

No. 1258. Domestic Imports of Manufactured Products: 1970 to 1986

[Import data for 1974–81 are valued on a f.a.s. basis. Data for 1970–73 and 1982–86 are valued on a customs basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (–) indicates decrease]

SIC [1] code	PRODUCT	1986		GROWTH RATE [2] (percent)			IMPORT PENETRATION RATIO [3] (percent)			
		Value (mil. dol.)	Percent distribution	1970–1986	1980–1986	1985–1986	1972	1977	1982	1986
(x)	**Manufacturing**	309,122	100.0	15.3	13.0	11.2	6.1	7.0	8.5	11.7
(x)	Nondurables	84,526	27.3	13.1	8.6	.5	4.7	5.4	5.8	7.7
20	Food and kindred products	12,521	4.1	8.2	3.1	(Z)	3.9	3.8	3.6	4.3
21	Tobacco manufactures	82	(Z)	10.5	–2.0	5.0	.6	.7	1.8	.8
22	Textile mill products	4,225	1.4	9.0	13.0	14.3	5.6	4.2	5.4	7.7
23	Apparel and other mill products	18,171	5.9	18.0	18.6	15.7	7.0	10.3	14.3	22.4
26	Paper and allied products	8,235	2.7	10.9	7.2	7.0	5.6	6.3	6.1	7.1
27	Printing and publishing	1,236	.4	14.1	15.9	24.0	1.0	.9	.9	1.2
28	Chemicals and allied products	13,191	4.3	15.8	11.2	3.8	3.2	3.9	4.5	6.5
29	Petroleum and coal products	12,836	4.2	14.1	–.7	–29.8	7.1	8.5	7.3	9.5
30	Rubber and plastics products	5,381	1.7	14.0	11.9	14.0	4.7	5.4	5.1	6.3
31	Leather and leather products	8,648	2.8	17.0	16.9	12.0	15.9	21.2	33.8	40.6
(x)	Durables	224,595	72.7	16.4	15.1	15.9	7.2	8.9	11.2	15.0
24	Lumber and wood products	5,374	1.7	11.2	6.7	5.3	9.4	9.3	8.2	10.5
25	Furniture and fixtures	3,997	1.3	19.9	24.3	24.1	2.6	3.6	5.3	9.2
32	Stone, clay, and glass products	4,910	1.6	14.8	13.8	14.3	3.7	4.0	5.3	7.6
33	Primary metal industries	18,336	5.9	10.3	2.6	–3.4	8.9	10.0	14.7	16.6
34	Fabricated metal products	8,532	2.8	14.5	11.6	9.3	2.5	3.2	4.3	5.5
35	Machinery, except electrical	35,744	11.6	18.7	18.1	22.3	5.4	6.3	8.4	13.9
36	Electrical and electronic equipment	42,190	13.6	18.8	18.1	12.3	7.6	10.4	12.4	17.0
37	Transportation equipment	82,091	26.6	17.3	17.8	21.2	9.8	10.2	15.4	18.4
38	Instruments and related products	10,845	3.4	16.1	14.6	20.9	6.7	9.2	10.1	13.7
39	Miscellaneous manufacturing industries	12,776	4.1	16.0	15.3	14.8	13.3	17.2	24.0	35.0

X Not applicable. Z Less than .05 percent. [1] Standard Industrial Classification. [2] 1970–86 and 1980–86 rates are compound annual growth rates. [3] Ratio of imports to new supply (product shipments plus imports).

No. 1259. Domestic Imports for 25 Leading 4-Digit SIC Product Groups: 1970 to 1986

[See headnote table 1258. N.e.c. = Not elsewhere classified]

1977 SIC [1] code	PRODUCT GROUP	1986		GROWTH RATE [2] (percent)			IMPORTS/SHIPMENTS RATIO [3] (percent)			
		Value (mil. dol.)	Percent distribution	1970–1986	1980–1986	1985–1986	1972	1977	1982	1986
3711	Motor vehicles and car bodies	59,303	19.2	17.8	18.7	24.2	13.6	14.7	26.7	27.6
3714	Motor vehicle parts and accessories	14,191	4.6	17.0	20.3	10.9	7.6	8.3	10.5	14.4
3579	Office machines and typewriters, etc	12,992	4.2	25.7	35.6	28.8	6.6	7.3	8.0	15.5
2911	Petroleum refining	12,739	4.1	14.0	–.8	–30.0	7.4	8.7	7.5	9.7
3651	Radio and television receiving sets	12,359	4.0	15.4	20.4	8.1	34.9	42.7	49.5	54.2
3312	Blast furnaces and steel mills	7,887	2.6	9.3	3.0	–16.6	9.8	10.6	17.3	17.5
3674	Semiconductors and related devices	6,495	2.1	25.7	12.6	4.9	11.5	21.4	28.2	28.7
3679	Electronic components, n.e.c.	5,608	1.8	31.2	27.6	17.8	2.7	5.6	9.3	18.0
2369	Children's outerwear, n.e.c.	5,601	1.8	17.5	21.9	17.4	16.9	18.6	20.2	28.2
2621	Papermills, except building paper	5,085	1.6	10.7	8.5	3.0	15.3	14.3	13.8	16.9
3861	Photographic equipment and supplies	4,089	1.3	19.7	15.8	25.8	6.2	9.5	12.3	17.9
2599	Furniture and fixtures, n.e.c.	3,993	1.3	19.9	24.3	24.1	2.7	3.7	5.5	9.4
3662	Radio and TV communication equipment	3,890	1.3	21.1	11.6	16.1	3.2	8.7	6.2	9.6
3399	Lead and primary nonferrous metals, n.e.c.	3,569	1.2	9.2	–5.6	–6.8	32.5	38.4	38.4	51.7
3915	Jewelers' mats and lapidary work	3,460	1.1	18.7	13.4	13.2	68.6	72.6	88.2	82.9
3569	General industrial machinery, n.e.c.	3,192	1.0	21.3	17.4	21.8	4.0	5.2	9.3	13.2
2421	Sawmills and planing mills—general	3,123	1.0	12.1	6.4	1.7	16.1	16.9	15.2	19.2
3149	Footwear, except rubber, n.e.c.	3,016	1.0	35.1	19.0	24.5	31.5	62.2	62.6	82.2
3079	Miscellaneous plastics products	2,959	1.0	16.5	19.2	23.1	2.2	2.2	2.8	4.0
2321	Men's and boys' shirts and nightwear	2,948	1.0	16.6	13.3	14.8	10.7	15.7	22.5	28.6
3531	Construction machinery	2,907	.9	21.1	18.8	17.6	2.7	4.0	5.1	12.3
2331	Women's and misses' blouses	2,522	.8	19.1	21.7	21.1	4.2	7.2	12.5	21.7
2819	Industrial inorganic chemicals, n.e.c.	2,382	.8	14.7	3.0	–9.0	8.5	12.3	13.6	16.8
3829	Measuring and controlling devices, n.e.c.	2,371	.8	19.2	18.5	20.5	4.3	4.6	6.0	9.3
3661	Telephone and telegraph apparatus	2,294	.7	26.3	33.3	4.8	2.1	1.6	5.0	11.9
3728	Aircraft equipment, n.e.c.	2,253	.7	15.5	16.2	26.9	6.8	4.2	9.0	7.9

[1] Standard Industrial Classification. [2] 1970–86 and 1980–86 rates are compound annual growth rates. [3] Ratio of imports to new supply (product shipments plus imports).

Source of tables 1258 and 1259: U.S. International Trade Administration, *Industrial Outlook*, annual.

Digitized by Google

No. 1260. Domestic Exports of Manufactured Products: 1970 to 1986

[Data are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (–) indicates decrease]

SIC [1] code	PRODUCT	1986		GROWTH RATE [2] (percent)			RATIO OF EXPORTS TO PRODUCT SHIPMENTS (percent)			
		Value (mil. dol.)	Percent distribution	1970–1986	1980–1986	1985–1986	1972	1977	1982	1985
(x)	**Manufacturing**	**172,003**	**100.0**	**10.6**	**.5**	**2.0**	**5.8**	**7.4**	**9.1**	**7.9**
(x)	Nondurable	51,590	30.0	10.9	.3	4.5	3.5	4.5	5.4	4.8
20	Food and kindred products	11,250	6.5	9.8	–1.2	11.9	2.9	4.1	4.3	3.8
21	Tobacco manufactures	1,480	.9	13.7	5.4	20.0	5.7	9.4	10.3	8.1
22	Textile mill products	1,653	1.0	8.5	–6.6	13.1	2.9	4.3	4.9	3.6
23	Apparel and other mill products	1,178	.7	10.9	–5.0	18.9	1.2	2.2	2.4	1.6
26	Paper and allied products	4,479	2.6	9.1	–.7	15.3	4.1	4.9	5.5	4.3
27	Printing and publishing	1,298	.8	8.9	2.6	3.9	1.3	1.5	1.7	1.2
28	Chemicals and allied products	22,562	13.1	11.6	.7	3.5	7.6	9.7	12.5	11.6
29	Petroleum and coal products	4,228	2.5	13.8	6.8	–22.2	1.9	1.4	3.2	3.1
30	Rubber and plastics products	2,941	1.7	11.8	1.6	6.4	3.1	4.0	4.8	3.9
31	Leather and leather products	520	.3	14.0	.3	8.9	1.8	3.8	5.7	6.1
(x)	Durable	120,412	70.0	10.5	.6	.9	7.4	10.0	13.0	10.8
24	Lumber and wood products	3,018	1.8	8.6	–3.3	13.1	4.1	5.8	7.2	5.3
25	Furniture and fixtures	466	.3	15.3	.5	–3.5	.6	1.5	2.5	1.8
32	Stone, clay, and glass products	1,723	1.0	8.8	–1.8	–3.8	2.4	3.4	4.3	3.4
33	Primary metal industries	3,595	2.1	2.9	–13.8	–6.1	2.8	3.0	5.0	3.7
34	Fabricated metal products	5,542	3.2	7.9	–3.3	–3.9	3.9	5.6	6.6	4.7
35	Machinery, except electrical	36,358	21.1	10.1	–.7	–3.0	14.9	19.5	23.3	20.1
36	Electrical and electronic equipment	20,415	11.9	13.3	3.7	8.0	6.7	10.6	12.7	10.1
37	Transportation equipment	37,977	22.1	11.5	4.4	–.1	9.2	11.6	15.6	13.0
38	Instruments and related products	9,237	5.4	11.8	3.1	7.1	12.6	16.6	17.4	15.5
39	Miscellaneous manufacturing industries	2,081	1.2	9.2	–5.3	17.3	7.6	9.4	9.5	8.1

X Not applicable. [1] Standard Industrial Classification. [2] See footnote 2, table 1258.

No. 1261. Domestic Exports for 25-Leading 4-Digit SIC Product Groups: 1970 to 1986

[See headnote, table 1260. N.E.C. = Not elsewhere classified]

1977 SIC [1] code	PRODUCT GROUP	1986		GROWTH RATE [2] (percent)			EXPORT/SHIPMENTS RATIO (percent)			
		Value (mil. dol.)	Percent distribution	1970–1986	1980–1986	1985–1986	1972	1977	1982	1985
3573	Electronic computing equipment	14,443	8.4	16.6	11.8	4.7	21.9	25.8	25.8	27.6
3711	Motor vehicles and car bodies	9,757	5.7	11.8	6.1	–.2	5.2	8.1	8.9	7.7
3721	Aircraft	8,868	5.2	9.8	–.6	1.9	28.0	31.9	29.9	27.8
3714	Motor vehicle parts and accessories	8,280	4.8	10.6	5.9	–11.0	11.3	11.8	16.5	14.9
3728	Aircraft equipment, n.e.c	6,111	3.6	14.9	9.4	9.5	26.3	33.7	40.6	32.1
2869	Industrial organic chemicals, n.e.c	4,878	2.8	12.6	1.6	7.9	10.2	10.3	16.4	16.1
3674	Semiconductors and related devices	4,870	2.8	16.5	5.9	14.9	19.9	32.9	33.9	27.8
2911	Petroleum refining	3,825	2.2	14.1	8.6	–24.1	1.7	1.2	3.1	3.0
3724	Aircraft engines and engine parts	3,217	1.9	14.1	11.4	9.7	15.9	16.9	19.6	20.6
3662	Radio and TV communication equipment	3,215	1.9	12.0	7.2	1.6	7.0	11.0	9.7	6.9
3531	Construction machinery	2,988	1.7	4.3	–12.5	–13.1	26.4	33.5	45.6	29.1
2821	Plastics materials and resins	2,805	1.6	12.3	.6	14.2	9.8	8.7	14.0	11.4
2819	Industrial inorganic chemicals, n.e.c	2,802	1.6	11.5	2.6	2.1	17.5	19.8	25.6	27.5
3533	Oilfield machinery	2,509	1.5	14.0	–4.3	–19.8	45.2	42.9	53.9	64.7
2011	Meatpacking plants	2,418	1.4	13.7	9.5	21.1	2.8	5.3	5.1	6.1
3079	Miscellaneous plastics products	2,353	1.4	12.3	4.0	9.5	3.5	4.1	4.7	3.8
3569	General industrial machinery, n.e.c	2,311	1.3	9.1	–.3	–9.5	21.4	34.0	24.6	23.3
3861	Photographic equipment and supplies	2,292	1.3	10.6	–1.2	10.8	11.8	15.6	15.9	13.5
3679	Electronic components, n.e.c	2,210	1.3	14.7	6.4	16.2	10.4	12.8	12.7	9.7
3519	Internal combustion engines, n.e.c	2,049	1.2	9.7	–2.3	–9.8	15.2	15.7	26.1	20.8
2874	Phosphatic fertilizers	1,962	1.1	15.9	–7.2	–25.9	10.7	11.1	25.7	28.2
2865	Cyclic crudes and intermediates	1,948	1.1	11.5	.9	3.5	13.1	18.1	19.6	21.1
2833	Medicinals and botanicals	1,815	1.1	12.2	7.8	20.9	43.0	46.5	34.4	43.8
3825	Instruments to measure electricity	1,795	1.0	12.7	5.2	1.0	19.5	23.3	27.5	24.5
2611	Pulpmills	1,737	1.0	8.3	–.1	21.7	33.4	37.5	40.9	39.3
2075	Soybean oil mills	1,466	.9	7.0	–6.9	22.4	20.7	21.7	25.1	16.3

[1] Standard Industrial Classification. [2] See footnote 2, table 1258.

Source of tables 1260 and 1261: U.S. International Trade Administration, *Industrial Outlook*, annual.

Digitized by Google

No. 1262. Beverage Industry—Summary: 1970 to 1985

Year and item	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring extracts, sirups
1970: Employees	1,000	228	57	2	9	21	129	11
Payroll	Mil. dol.	1,884	616	19	71	171	916	91
Value added by manufacture	Mil. dol.	6,144	2,028	58	258	887	2,121	792
Value of shipments	Mil. dol.	12,373	3,822	210	591	1,758	4,631	1,361
1980: Employees	1,000	199	43	2	11	14	118	11
Payroll	Mil. dol.	3,646	1,122	40	191	253	1,850	191
Value added by manufacture	Mil. dol.	13,706	3,639	162	611	1,849	5,348	1,896
Value of shipments	Mil. dol.	33,041	9,362	680	2,189	3,389	13,909	3,513
1982: Employees	1,000	195	43	2	12	12	114	12
Payroll	Mil. dol.	4,237	1,308	43	245	257	2,146	236
Value added by manufacture	Mil. Dol	16,684	4,535	166	997	1,460	6,856	2,670
Value of shipments	Mil. dol.	38,786	11,195	662	2,783	3,072	16,836	4,238
1984: Employees	1,000	186	39	2	12	11	110	11
Payroll	Mil. dol.	4,460	1,314	45	274	268	2,283	277
Value added by manufacture	Mil. dol.	18,288	5,394	162	1,081	1,685	7,142	2,825
Value of shipments	Mil. dol.	41,181	11,868	587	2,695	3,405	18,052	4,574
1985: Employees	1,000	183	40	2	13	10	106	12
Payroll	Mil. dol.	4,624	1,358	44	297	268	2,345	314
Value added by manufacture	Mil. dol.	19,293	5,681	162	1,083	1,691	7,587	3,108
Value of shipments	Mil. dol.	43,243	12,216	571	2,763	3,495	19,358	4,840

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures and Census of Manufactures, 1982.*

No. 1263. Alcoholic Beverages—Summary: 1970 to 1986

[For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

Item	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Beer: Breweries operated	Number	154	117	86	86	92	82	92	96	103	103
Production	Mil. bbl.[1]	135	158	184	193	195	194	196	193	194	194
Imports (Incl. ale, etc.)[2]	Mil. bbl.[1]	(NA)	1.7	4.1	4.6	5.2	5.8	6.3	7.2	(NA)	(NA)
Value of shipments (SIC 2082)[3]	Mil. dol.	3,822	5,641	6,353	9,362	10,179	11,183	11,798	11,868	12,216	(NA)
Tax-paid withdrawals	Mil. bbl.[1]	123	147	167	172	177	176	178	176	175	177
Stocks on hand, June 30	Mil. bbl.[1]	15	14	14	15	14	14	15	14	14	14
Per capita consumption[4]	Gallons	28.6	32.6	34.0	34.9	35.6	33.4	33.0	32.8	(NA)	(NA)
Of domestic output	Gallons	28.4	32.4	33.1	34.0	34.5	32.0	31.7	31.5	(NA)	(NA)
Distilled spirits:											
Production facilities operated	Number	140	115	135	143	114	121	121	112	117	117
Warehouses operated	Number	274	241	210	200	196	202	193	202	214	216
Production, total[5]	Mil. tax gal.[6]	355	276	246	236	259	217	181	134	117	102
Whisky	Mil. tax gal.[6]	160	50	104	67	90	96	80	77	65	54
Imports[2]	Mil. tax gal.[6]	90.9	113.5	123.6	90.7	117.9	106.0	116.4	117.7	(NA)	(NA)
Tax-paid withdrawals, total[7]	Mil. tax gal.[6]	256	295	316	330	321	312	306	301	306	265
Whisky	Mil. tax gal.[6]	112	137	125	42	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total[5]	Mil. tax gal.[6]	1,091	836	659	696	691	654	640	636	588	546
Whisky	Mil. tax gal.[6]	960	780	596	566	544	540	523	490	467	445
Bottled for consumption, total	Mil. wine gal.[8]	312	357	379	392	388	375	377	368	371	328
Whisky	Mil. wine gal.[8]	192	162	166	165	162	153	154	142	138	121
Per capita[4]	Wine gal.[8]	2.61	2.49	2.70	2.90	2.84	2.62	2.71	2.83	(NA)	(NA)
Of domestic output	Wine gal.[8]	1.91	1.75	1.96	2.00	2.02	1.80	1.79	1.80	(NA)	(NA)
Still wines: Production[9]	Mil. wine gal.[8]	713	782	739	982	901	546	613	684	622	667
Imports[2]	Mil. wine gal.[8]	22.1	40.3	81.0	90.7	101.1	107.5	58.6	58.8	(NA)	(NA)
Tax-paid withdrawals[10]	Mil. wine gal.[8]	204	287	326	340	363	365	367	376	414	438
Stocks on hand, June 30[11]	Mil. wine gal.[8]	207	325	485	496	502	519	596	577	602	601
Per capita[4]	Wine gal.[8]	1.70	2.20	2.60	2.65	2.68	2.81	2.62	2.83	(NA)	(NA)
Of domestic output	Wine gal.[8]	1.52	1.96	2.02	2.02	2.02	2.14	2.10	2.08	(NA)	(NA)
Effervescent wines:[12]											
Production	Mil. wine gal.[8]	20.0	18.0	24.4	26.8	31.2	30.6	36.6	34.6	32.0	31.8
Imports[2]	Mil. wine gal.[8]	2.0	2.1	5.0	5.2	7.9	8.7	11.4	15.7	(NA)	(NA)
Tax-paid withdrawals	Mil. wine gal.[8]	17.1	17.6	22.1	24.1	27.0	26.5	31.7	31.9	30.9	31.3
Stocks on hand, June 30	Mil. wine gal.[8]	6.1	9.0	12.1	11.9	14.4	17.6	21.5	20.5	21.3	17.1
Per capita[4]	Wine gal.[8]	.15	.13	.15	.17	.19	.22	.22	.21	(NA)	(NA)
Of domestic output	Wine gal.[8]	.13	.12	.12	.12	.14	.17	.17	.17	(NA)	(NA)

NA Not available. [1] Barrels of 31 wine gallons (see footnote 7). [2] Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports*, FT 246. [3] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, and *Annual Survey of Manufactures*. [4] Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [5] Excludes alcohol produced for industrial use. [6] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnote 8.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. [7] Includes ethyl alcohol. [8] A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. [9] Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced, 1977, 347 million gal.; 1978, 258 mil. gal.; 1979, 259 mil. gal.; 1980, 184 mil. gal.; 1981, 264 mil. gal., 1982, 138 mil. gal.; 1983, 223 mil. gal.; 1984, 169 mil. gal.; 1985, 148 mil. ga.; and 1986, 149 mil. gal. [10] Includes special natural wines. [11] Excludes distilling materials. [12] Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

Digitized by Google

No. 1264. Food Manufacturing Industry—Summary: 1970 to 1986

ers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, section 13]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
employees [1]	1,000	1,786	1,658	1,733	1,708	1,671	1,636	1,615	1,612	1,603	1,617
duction workers	1,000	1,207	1,120	1,191	1,175	1,150	1,126	1,114	1,120	1,118	1,136
vg. hourly earnings, prod. workers	Dollars	3.16	4.61	6.27	6.85	7.44	7.92	8.19	8.39	8.57	8.74
s and wages	Bil. dol	11.7	15.9	21.7	23.2	24.7	26.1	26.6	27.4	28.1	(NA)
added by manufacture [2]	Bil. dol	32.3	48.1	68.7	75.5	80.6	88.4	93.4	98.0	104.1	(NA)
of shipments [3]	Bil. dol	98.5	172.2	236.0	256.2	272.1	280.5	287.1	300.0	301.6	(NA)
ssets	Bil. dol	23.8	33.0	44.6	48.6	48.8	58.6	61.5	64.6	69.6	(NA)
l expenditures, new [4]	Bil. dol	2.1	3.4	5.0	5.8	6.0	6.7	5.6	6.4	7.0	(NA)
ate profits before taxes [5]	Bil. dol	4.8	6.6	11.5	13.0	14.3	13.3	14.8	15.5	20.9	21.1
ate profits after taxes [5]	Bil. dol	2.6	5.2	7.3	8.2	9.1	8.4	9.4	9.8	12.8	13.3
o of profits to stockholders' equity [6]	Percent	10.6	14.4	14.7	14.7	14.0	13.0	12.2	13.3	15.3	16.2
ts per dollar of sales [6]	Cents	2.5	3.2	3.3	3.4	3.2	3.1	3.3	3.3	4.1	4.2

Not available. [1] Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. [2] See footnote 7, table 1240. [3] See footnote 6, table 1241. [4] Includes expenditures for plants in operation and plants under construction but not yet ration. [5] Source: Through 1981, U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly ial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to e in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. [6] Return on equity er tax profit rates are averages of quarterly figures at annual rates.

ce: Except as noted, U.S. Bureau of the Census, *1982 Census of Manufactures*, and *Annual Survey of Manufactures*.

No. 1265. Tobacco Manufactures Industry—Summary: 1972 to 1985

llions of dollars, except as indicated. Represents Standard Industrial Classification Code 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1979 ASM	1980 ASM	1981 ASM	1982 Census	1983 ASM	1984 ASM	1985 ASM
oyees:									
er (1,000)	66.3	60.6	58.6	58.0	61.1	57.9	54.6	51.7	49.2
l	502	751	906	1,045	1,219	1,324	1,355	1,354	1,369
ded by manufacture	2,637	4,334	5,343	6,148	6,430	8,965	9,642	10,787	11,894
materials	3,281	4,730	5,240	6,091	6,691	7,099	6,541	6,683	6,626
shipments	5,920	9,051	10,601	12,195	13,130	16,061	16,252	17,440	18,507
ital expenditures	133	182	237	367	726	697	849	870	669

e: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977,* and *1982;* and *Annual Survey of Manufactures.*

No. 1266. Tobacco Products—Production and Consumption: 1970 to 1986

on data are for years ending **June 30.** Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970,* series P 239–241]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
n:													
es [1]	Billions	562	627	673	688	707	702	744	711	668	657	665	652
	Billions	6.0	8.3	5.6	5.6	5.1	4.9	5.0	4.5	4.3	4.5	4.2	3.6
[2]	Mil. lb	164	155	155	156	158	163	162	160	159	159	155	144
consumption: [3]													
ucts	Lb. [4]	9.6	9.1	8.5	8.1	8.3	8.0	7.6	7.5	7.2	6.9	6.8	6.6
ettes	1,000	4.0	4.1	4.1	4.0	3.9	3.8	3.6	3.7	3.5	3.5	3.4	3.3
[5]	Number	60	39	33	30	27	25	23	22	22	20	16	17
co [3]	Lb. [4]	.83	.72	.70	.68	.69	.69	.64	.65	.64	.63	.61	.76

and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual. g and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Snuff, Smoking, and Chewing Tobacco*, quarterly. [3] Based on U.S. Bureau of the Census estimated population 18 and over, as of July 1, including Armed Forces abroad. [4] Unstemmed processing weight equivalent. [5] Weighing inds per 1,000.

Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1267. Mill Consumption of Natural Fibers: 1970 to 1986

million of pounds. See *Historical Statistics, Colonial Times to 1970,* series P 229 and P 230, for wool and silk]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
d [1]	3,654	3,027	3,414	3,170	3,041	3,077	3,036	2,715	2,488	2,808	2,716	2,813	3,256
[2]	240	110	122	108	115	117	123	139	116	141	142	117	145
	6	3	4	3	4	5	2	4	8	5	6	4	4
	2	1	3	2	2	2	1	2	2	2	1	1	1

d by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For on, 20 pounds deducted. [2] Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other items and consumption in batting and felt manufacture.

U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1986.

Digitized by Google

No. 1268. Cotton, Wool, and Manmade Fibers—Quantity and Distribution in Selected Consumer Products: 1980 to 1985

[Represents products manufactured by U.S. mills]

End-use and year	Total (mil. lb.)	Cotton		Wool		Man-made fibers					
								Cellulosic [1]		Non-cellulosic [2]	
		Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (lb.)	Percent end-use
Total:											
1980	12,111	3,125	25.8	169	1.4	8,817	72.8	748	6.2	8,069	66.6
1981	11,855	2,909	24.5	194	1.7	8,752	73.8	724	6.1	8,028	67.7
1982	10,537	2,725	25.9	169	1.6	7,643	72.5	529	5.0	7,114	67.5
1983	12,419	2,931	23.6	204	1.6	9,284	74.8	576	4.7	8,708	70.1
1984	12,436	2,934	23.6	232	1.9	9,270	74.5	576	4.6	8,694	69.9
1985	11,430	3,055	26.7	195	1.7	8,180	71.6	542	4.6	[3] 7,638	[3] 66.8
Apparel:											
1980	4,728	1,652	35.0	125	2.6	2,951	62.4	298	6.3	2,653	56.1
1981	4,495	1,595	35.5	148	3.3	2,752	61.2	309	6.9	2,443	54.3
1982	4,077	1,557	38.2	127	3.1	2,393	58.7	211	5.2	2,182	53.5
1983	4,566	1,646	36.0	153	3.4	2,767	60.6	229	5.0	2,538	55.6
1984	4,305	1,624	37.7	172	4.0	2,509	58.3	239	5.6	2,270	52.7
1985	4,246	1,708	40.3	142	3.3	2,396	56.4	209	4.9	[3] 2,187	[3] 51.5
Home furnishings:											
1980	3,656	802	22.0	26	.7	2,828	77.3	170	4.6	2,658	72.7
1981	3,522	744	21.1	29	.9	2,749	78.0	156	4.4	2,593	73.6
1982	3,144	676	21.5	26	.9	2,442	77.6	104	3.3	2,338	74.3
1983	3,950	812	20.6	32	.8	3,106	78.6	134	3.4	2,972	75.2
1984	4,112	851	20.7	35	.8	3,226	78.5	135	3.3	3,091	75.2
1985	4,377	880	20.1	30	.7	3,467	79.2	126	2.9	[3] 3,341	[3] 76.3
Industrial: [4]											
1980	3,109	412	13.2	11	.3	2,686	86.5	249	8.0	2,437	78.5
1981	3,348	404	12.1	12	.3	2,932	87.6	231	6.9	2,701	80.7
1982	2,980	377	12.7	10	.3	2,593	87.0	195	6.5	2,398	80.5
1983	3,623	382	10.5	14	.4	3,227	89.1	196	5.4	3,031	83.7
1984	3,740	375	10.0	21	.6	3,344	89.4	187	5.0	3,157	84.4
1985	2,479	359	14.5	13	.5	2,107	85.0	190	7.7	[3] 1,917	[3] 77.3

[1] Rayon and acetate. [2] Nylon, polyester, acrylic, olefin, saran, spandex, and textile glass, except as noted. [3] Excludes textile glass. [4] Includes consumer-type products.

No. 1269. Filament Yarn and Staple and Tow Shipments and Trade: 1980 to 1985

[In millions of pounds]

Shipments	1980	1984	1985
Filament yarn, total [1]	**3,783.2**	**3,526.9**	**3,746.3**
Nylon	1,538.9	1,438.1	1,417.4
Polyester	1,363.4	1,144.9	1,204.2
Olefin	611.7	725.6	937.6
Staple and tow, total [1]	**3,673.2**	**3,878.6**	**3,800.6**
Nylon	711.2	814.4	830.3
Acrylic and modacrylic	585.3	448.7	458.7
Polyester	2,071.0	1,992.2	1,872.7

Trade	1980	1984	1985
Exports, total	**617.5**	**279.5**	**326.4**
Man-made fibers	351.8	190.9	209.5
Cellulosic	30.8	15.5	16.2
Yarn	20.0	9.4	9.6
Staple	10.8	6.1	6.6
Noncellulosic	321.0	175.4	193.3
Yarn	141.0	73.0	75.8
Staple	180.0	102.4	117.5
Cotton	259.3	84.5	108.0
Wool	6.4	4.1	10.9

[1] Includes items not shown separately.

Source of tables 1268 and 1269: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1270. U.S. Exports and Imports of Textiles and Apparel Products: 1980 to 1986

[**In millions of dollars.** Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (–) indicates deficit]

Product	1980	1985	1986
Exports	**4,458**	**2,712**	**3,074**
Textile mill products	3,457	2,112	2,347
Yarn and thread	642	569	431
Cotton broad woven fabric	546	203	301
Other broad woven and knit fabric	809	477	500
Narrow fabric	106	160	154
Special fabric	709	284	517
Made-up articles	318	222	233
Textile floor coverings	327	197	211
Apparel	1,001	600	727

Product	1980	1985	1986
Imports	**8,139**	**18,309**	**21,353**
Textile mill products	2,372	4,714	5,517
Yarn and thread	168	506	638
Cotton broad woven fabric	433	837	1,006
Other broad woven and knit fabric	784	1,353	1,549
Narrow fabric	43	93	112
Special fabric	299	361	381
Made-up articles	362	1,019	1,211
Textile floor coverings	283	545	620
Apparel	5,767	13,595	15,836
Trade balance	**–3,681**	**–15,597**	**–18,279**

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

Digitized by Google

No. 1271. Male and Female Clothing—Production: 1970 to 1985

[In millions of units, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	1970	1980	1983	1984	1985
MALE CLOTHING					
suits [1]	17.7	14.8	10.9	12.5	12.4
suits [2]	4.7	3.4	2.8	2.9	2.4
ite trousers (men's)	173.6	125.1	113.0	123.0	116.4
ite coats [3]	16.1	17.9	21.1	22.3	20.0
shirts, men's [4] (mil.	20.8	13.1	10.4	11.2	11.2
slacks	123.6	89.0 242.7	57.5 184.8	54.7 202.1	49.8 208.5
shirts (incl. flannels) doz.)	4.1	3.6	2.9	3.8	3.4
FEMALE CLOTHING					
Blouses [5] and shirts (mil. doz.)	13.3	25.6	25.2	22.0	21.2
Dresses	251	176	164	162	152
Suits [6]	8.8	17.6	13.4	11.3	11.0
Slacks	113.0	159.8	173.2	162.0	157.5
Jeans		98.2	94.4	88.9	85.0
Skirts	83.1	98.9	101.5	97.5	93.6
Untrimmed coats	17.0	17.0	12.0	11.9	11.1
Fur-trimmed coats	4.7				
Knit outerwear:					
Sweaters (mil. doz.)	5.3	4.1	8.1	8.8	7.6
Sport shirts [7] (mil. doz.)	4.0	10.0	14.5	13.5	11.5

inning 1980, excludes leisure suits. [2] Includes uniform suits and coats. [3] Includes men's and boys' coats. Beginning excludes leisure coats. [4] Includes knit and woven dress and woven sport. [5] Beginning 1983 includes only woven . [6] Beginning 1980, includes pant suits. [7] Beginning 1983 includes blouses.

e: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

No. 1272. Nonrubber Footwear—Summary: 1970 to 1985

illions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
parent consumption	801.7	727.9	745.7	787.7	832.9	745.1	729.8	629.7	911.9	1,020.1	1,096.8
n, shoes and slippers	562.3	413.1	391.1	418.9	398.4	396.9	372.0	359.1	339.2	303.2	265.5
t exported	.4	1.1	1.3	1.7	2.3	1.8	2.6	2.2	2.2	2.9	4.3
bil. dol.)	2.9	3.1	[1] 3.7	3.8	4.3	4.7	4.5	4.8	4.8	4.0	4.0
sandals, playshoes (produc-	460.8	339.1	332.0	335.8	320.6	323.5	302.2	305.1	261.5	243.8	211.1
	241.5	319.4	360.0	375.7	443.8	403.5	369.0	479.5	580.2	725.8	842.6
of total consumption	30.1	43.9	48.3	47.7	53.3	51.8	50.8	57.8	63.8	71.1	76.8

e: U.S. Bureau of the Census, *Census of Manufactures, 1977*. [1] Beginning 1980, includes items not shown separately.
Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1273. Chemicals and Allied Products—Industry Summary: 1972 to 1985

[In millions of dollars, except as noted]

ITEM	1972	1975	1977	1979	1980	1981	1982	1983	1984	1985
rt, total (1,000)	837	842	880	895	910	892	873	851	843	826
d wages	8,731	11,227	13,839	16,516	18,269	19,723	20,836	21,411	22,665	23,345
workers (1,000)	525	510	544	552	545	533	509	496	491	476
(million)	1,054	1,001	1,090	1,106	1,080	1,067	1,004	981	979	961
d	32,414	44,976	56,721	70,356	74,384	80,032	77,315	86,473	94,728	95,256
ipments [1]	57,350	89,721	118,154	147,674	162,517	180,459	170,737	183,206	198,233	197,311
l	38,812	50,565	65,300	76,148	82,112	88,769	95,125	102,226	106,331	111,945
	293	453	513	542	597	659	644	734	779	767
[2]	4,183	8,655	10,700	17,466	21,094	21,660	20,021	19,688	22,249	21,797
[3]	1,749	3,098	4,414	8,035	6,991	7,855	7,600	9,333	11,927	12,708

products and services sold by 26 group industries.
U.S. International Trade Administratoin, *U.S. Industrial Outlook*, , annual.
xcept as noted, U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977*, and *1982*; and *Annual Survey of s.*

No. 1274. Rubber—New Supply, Distribution, and Stocks: 1970 to 1985

ds of long tons. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated ne, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

TEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
	3,042	2,826	3,332	2,557	3,772	3,816	3,137	3,147	2,649	2,996	3,308	3,057
roduction [1]	2,398	2,077	2,496	2,600	2,830	2,889	2,294	2,277	1,861	2,030	2,248	1,993
	2,197	1,958	2,387	2,481	2,705	2,764	2,209	2,190	1,788	1,956	2,177	1,932
	644	749	836	957	943	927	843	870	786	966	1,060	1,064
	550	658	714	793	771	769	650	700	640	766	793	779
	324	250	303	275	302	437	494	405	336	304	382	345
	299	226	281	252	284	416	472	389	325	289	376	343
of year [2]	645	528	642	582	606	370	279	299	236	220	248	237

eclaimed and synthetic. [2] Natural, synthetic and reclaimed.
. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

Digitized by Google

NO. 1275. IRON AND STEEL INDUSTRY—SUMMARY: 1970 TO 1986

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The financial data represents the operations of the steel segment of companies. Minus sign (–) indicates net loss]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Steel mill products, apparent supply	Mil. tons [1]	97.1	89.0	115.0	95.2	105.4	76.4	83.5	98.9	96.4	90.0
Net shipments	Mil. tons [1]	90.8	80.0	100.3	83.9	88.5	61.6	67.6	73.7	73.0	70.3
Exports	Mil. tons [1]	7.1	3.0	2.8	4.1	2.9	1.8	1.2	1.0	1.0	1.0
Imports	Mil. tons [1]	13.4	12.0	17.5	15.5	18.9	16.7	17.1	26.2	24.3	20.7
Percent of total supply	Percent	13.8	13.5	15.2	16.3	18.9	21.8	20.5	26.4	25.2	23.0
Japan	Percent	(NA)	6.6	5.5	6.3	5.9	6.8	5.1	6.7	6.2	4.9
EEC [2]	Percent	(NA)	4.6	4.7	4.1	6.1	7.3	4.9	6.4	7.2	7.3
Canada	Percent	(NA)	1.1	2.0	2.5	2.7	2.4	2.9	3.2	3.0	3.6
Scrap consumed	Mil. tons [3]	69.3	62.8	77.2	66.6	66.3	43.7	49.0	51.8	53.2	49.4
Scrap produced	Mil. tons [3]	46.4	40.1	45.4	36.9	38.4	23.5	23.9	29.5	(NA)	(NA)
Scrap inventory	Mil. tons [3]	6.5	7.6	7.4	6.9	7.1	5.5	5.0	4.4	4.0	3.4
Iron and steel products: Exports	Mil. tons [3]	3.1	4.1	3.8	5.1	3.8	2.6	1.8	1.7	1.6	1.5
Imports	Mil. tons [3]	14.6	13.9	20.3	17.9	22.6	18.8	19.3	29.5	27.6	24.2
Revenue	Bil. dol.	(NA)	(NA)	(NA)	40.8	37.7	43.8	28.7	25.0	30.3	28.4	25.0
Net income	Bil. dol.				.8	1.7	–3.4	–2.2	–(Z)	–1.8	–4.2	
Stockholders' equity	Bil. dol.				14.3	14.5	15.4	11.3	8.2	9.4	6.9	2.7
Total assets	Bil. dol.				29.3	30.8	31.7	27.9	25.5	26.2	24.0	21.0
Net fixed assets	Bil. dol.				16.8	17.7	18.2	17.8	15.9	16.6	15.7	13.4
Capital expenditures	Bil. dol.				2.5	2.7	2.4	2.3	1.9	1.2	1.6	.9
Working capital ratio [3]	Ratio				1.7	1.6	1.7	1.5	1.3	1.4	1.3	1.6
Inventories	Bil. dol.				5.0	4.7	5.4	4.0	3.3	4.2	3.5	3.0
Average employment	1,000	531	457	453	399	391	289	243	236	208	175	
Hours worked	Million	1,220	855	894	758	753	526	475	474	419	356	
Index of output, all employees [4]	1977 = 100	88	93	107	103	112	91	116	131	139	137	
Capacity by steelmaking process	Mil. net tons	(NA)	153.1	155.3	153.7	154.3	154.0	150.6	135.3	133.6	128	
Producer price indexes: [5]												
Iron and steel, total	1967 = 100	115.1	200.9	283.5	305.2	333.8	339.0	343.4	356.9	355.3	(NA)	
Steel mill products	1967 = 100	114.2	197.2	280.4	302.7	337.6	349.5	352.8	366.0	366.1	(NA)	
Blast and electric furnace products	1967 = 100	114.8	264.7	296.7	307.4	316.2	316.6	309.3	308.2	302.6	(NA)	
Iron ore	1967 = 100	100.1	154.3	216.7	244.8	268.4	278.7	282.1	282.1	271.7	(NA)	
Scrap, iron and steel	1967 = 100	138.8	245.6	341.9	328.1	327.4	232.9	250.1	288.1	262.3	(NA)	
Foundry and forge shop products	1967 = 100	112.1	194.3	277.1	310.0	329.8	345.5	351.1	360.6	363.4	(NA)	

NA Not available. Z Less than $50 million. [1] In millions of short tons. [2] European Economic Community; includes Belgium, Denmark, France, West Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom. [3] Current assets to current liabilities. [4] Index of output per employee hour. [5] Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

NO. 1276. MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1970 TO 1986

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986
Ferrous castings (1,000 sh. tons): [1]									
Gray iron castings [2] [3] [4]	13,945	13,328	11,799	11,801	8,215	9,247	10,520	8,701	7,107
Pressure pipe and fittings	1,691	1,380	1,396	1,249	1,100	1,268	1,538	1,535	1,381
Soil pipe and fittings	959	449	375	410	353	368	393	376	354
All other	11,301	11,499	10,028	10,142	6,762	6,049	6,589	6,790	5,372
Malleable iron castings [2]	852	770	450	422	284	291	380	376	469
For sale	521	484	206	200	119	98	180	198	150
For own use	331	286	244	222	166	193	200	178	319
Standard malleable	628	534	312	291	191	191	241	233	226
Pearlitic malleable	224	236	138	129	94	100	139	143	243
Steel castings [2] [3]	1,724	2,026	1,878	1,743	1,017	729	940	939	875
Carbon	1,147	1,758	1,225	1,102	609	420	581	573	520
Alloy	577	268	653	641	408	309	359	366	355
Nonferrous castings (1,000 sh. tons): [2] [3]									
Copper and copper-base alloy	391	315	285	283	222	249	252	235	239
Aluminum and aluminum-base alloy	771	726	845	910	803	949	1,116	1,114	1,138
Zinc and zinc-base alloy	398	356	243	236	206	245	272	255	248
Magnesium and magnesium-base alloy	18	19	13	11	9	13	14	12	20
Lead and lead-base alloy die [5]	28	21	23	19	19	28	25	20	26
Copper-based products (mil. lb.)	5,624	4,715	5,820	5,955	4,774	4,827	5,283	4,657	4,588
Brass mill products	2,513	2,025	2,467	2,622	2,014	2,116	2,717	2,363	2,318
Alloyed [6]	1,542	1,324	1,508	1,695	1,247	1,245	1,681	1,366	1,359
Unalloyed	971	701	959	927	767	871	1,056	997	959
Copper wire mill products [7]	2,329	2,056	2,783	2,767	2,316	2,213	2,062	1,824	1,792
Brass and bronze foundry products	782	631	570	566	444	498	504	470	478
Aluminum mill products (mil. lb.) [8]	7,358	7,427	10,485	10,329	9,116	10,624	11,076	11,092	11,410
Plate, sheet, and foil	4,247	4,564	6,692	6,829	6,060	7,171	7,195	7,255	7,490
Extruded shapes and tubing	1,823	1,643	2,329	2,104	1,961	1,980	2,583	2,794	2,944
Rolled structural shapes, rod, bar, cable [9]	983	924	1,213	1,150	862	936	955	787	744
Powder, flake and paste	205	99	117	108	80	79	99	107	96
Forgings and impacts	120	97	134	139	[10] 152	173	[10] 204	149	144

[1] Based on a sample of foundries. [2] Beginning 1975, data not strictly comparable with 1970. [3] Includes shipments "for own use." [4] Includes ductile (nodular) iron castings. [5] Excludes lead die castings for battery plates and parts. [6] Excludes webbing scrap (military ammunition cups and discs). [7] Copper content. [8] Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. [9] Includes wire. [10] Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Administration, *Current Industrial Reports*, series ITA-9008, annual.

Digitized by Google

No. 1277. Raw Steel, Pig Iron and Ferroalloys Production: 1970 to 1986

[In millions, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265–269]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
TEEL (net tons)												
duction	654.2	712.0	741.8	790.6	824.5	790.4	779.4	710.7	730.9	782.2	791.8	784.8
ction	131.5	116.6	125.3	137.0	136.3	111.8	120.8	74.6	84.6	92.5	88.3	81.6
t of world	20.1	16.4	16.9	17.3	16.5	14.2	15.5	10.5	11.6	11.8	11.1	10.4
ygen process	63.3	71.8	77.4	83.5	83.3	67.6	73.2	45.3	52.1	52.8	51.9	47.9
	20.2	22.7	27.9	32.2	33.9	31.2	34.1	23.2	26.6	31.4	29.9	30.4
arth	48.0	22.2	20.0	21.3	19.1	13.0	13.5	6.1	5.9	8.3	8.4	3.3
	117.4	100.4	108.1	116.9	116.2	94.7	101.5	64.1	73.8	79.9	76.7	71.4
f stainless	14.1	18.3	17.2	20.1	20.1	17.1	19.3	10.5	10.8	12.6	11.6	10.2
and ferroalloys, n (sh. tons) [1]	93.5	79.9	81.3	87.7	87.0	68.7	73.8	43.3	48.7	51.9	50.4	44.0

ng 1975, includes blast furnace ferroalloys.

No. 1278. Steel Products—Net Shipments, by Market Classes: 1970 to 1986

[Thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1970	1975	1980	1981	1982	1983	1984	1985	1986
	90,798	79,957	83,853	88,450	61,567	67,583	73,739	73,043	70,263
	14,475	15,214	12,124	13,154	9,288	12,320	12,882	12,950	11,889
centers, distributors	16,025	12,700	16,172	17,637	13,067	18,710	18,364	18,439	17,478
incl. maintenance	8,913	8,119	8,742	8,446	6,283	7,271	7,522	7,900	7,336
ackaging, shipping	7,775	6,053	5,551	5,292	4,470	4,532	4,352	4,089	4,113
dustrial equipment, tools	5,169	5,173	4,543	4,624	2,584	2,484	2,886	2,271	2,076
verting and processing	3,443	3,255	4,117	5,058	3,222	4,403	5,136	5,484	5,635
ation	3,098	3,152	2,155	2,162	1,020	937	1,438	1,061	798
products	4,440	3,927	3,148	3,230	2,287	2,703	2,631	3,330	3,278
ndustries	3,550	4,171	5,371	6,238	2,745	1,296	2,003	2,044	1,023
ipment	2,694	2,173	2,441	2,600	2,003	2,337	2,365	1,869	2,113
tensils, and cutlery	2,160	1,653	1,725	1,775	1,337	1,818	1,635	1,466	1,648

ither classes not shown and nonclassified shipments.

tables 1277 and 1278: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1279. Machine Tool Orders and Shipments: 1970 to 1986

f dollars. These data represent total industry volume based on reports from members of the National Machine Tool uilders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order back-log, end of period	New orders (net)		Shipments		Order back-log, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
	651	507	993	827	471	261	227	450	412	235
	916	781	1,879	1,548	1,062	361	213	573	485	219
	1,662	1,477	1,462	1,270	1,242	541	509	576	474	209
	2,202	1,981	1,651	1,470	1,794	793	731	630	560	384
	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
	4,495	3,866	2,930	2,606	4,546	1,126	920	947	860	619
	3,885	3,496	3,681	3,206	4,750	670	665	1,011	879	385
	2,228	1,946	4,105	3,552	2,873	717	617	991	824	427
	1,064	890	2,895	2,599	1,043	433	372	710	600	151
	1,152	1,069	1,372	1,200	823	545	489	474	430	222
	1,916	1,700	1,607	1,484	1,132	1,000	932	879	609	542
	1,853	1,652	1,742	1,549	1,243	675	810	803	743	414
	1,544	1,377	1,690	1,685	897	581	507	688	621	307

ial Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business* for 1965–1978; thereafter, *Survey of Current Business*, monthly.

No. 1280. Electronics Shipments: 1975 to 1986

[In millions of dollars]

F ELECTRONICS	1975	1979	1980	1981	1982	1983	1984	1985	1986
	42,269	85,051	101,087	117,729	128,683	139,704	[1] 197,184	[1] 198,863	[1] 209,738
ndustrial electronics	13,457	32,851	39,539	47,835	54,655	58,067	69,672	67,854	65,955
equip. and systems	14,302	25,734	30,772	35,659	39,130	42,119	49,529	56,018	63,100
nents	9,286	21,334	25,571	28,784	29,561	33,856	43,306	36,845	37,363
nics	5,224	5,132	5,205	5,451	5,137	5,662	6,375	5,682	8,500

products and related services not shown separately.

nic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

Digitized by Google

NO. 1281. ROBOTS, ACCESSORIES, AND COMPONENTS—UNITS SHIPPED AND VALUE: 1984 TO 1986

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Approximately 75 companies reported shipments in 1984, 72 in 1985, and 60 in 1986. Shipment value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. A robot is a reprogrammable multi-functional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are presently classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	UNITS SHIPPED (number)			VALUE OF SHIPMENTS ($1,000)		
	1984	1985	1986	1984	1985	1986
Robots, robot accessories, and components	(x)	(x)	(x)	281,189	345,239	310,354
Robots, complete	6,534	5,466	6,150	225,528	275,721	250,910
Servo-controlled robots	2,676	2,978	2,718	206,018	254,926	233,490
Point-to-point type:						
Welding, soldering, brazing, and/or cutting (welding type)	627	839	969	56,932	74,646	85,047
Foundry, forging, and/or heat treating [1]	20	12	17	1,851	745	1,668
Machine tool loading and/or unloading	67	53	40	4,131	3,785	2,618
Assembly for non-electronic and electronic products	411	547	441	29,908	17,761	17,356
Material handling and/or parts transfer, n.e.c. [2]	402	463	307	30,962	44,863	23,847
Other point-to-point type, n.e.c. [3]	86			4,384		
Continuous-path type:						
Welding, soldering, brazing, and/or cutting (welding type)	239	287	198	16,569	22,352	13,756
Spraying, painting, gluing, and/or sealing	449	339	291	45,988	41,416	39,467
Fettling, grinding, polishing, and/or deburring [3]	375	438	455	24,293	49,358	48,134
Nonservo-controlled robots	570	460	451	16,219	16,015	15,644
Other robots	3,288	2,028	2,981	3,291	2,780	1,776
Robot accessories, subassemblies, components, and parts, sold separately	(x)	(x)	(x)	55,661	69,518	59,733
End-of-arm tooling for robots	(x)	(x)	(x)	1,280	3,895	8,240
Vision, sonic, force, tactile, and proximity sensors	(x)	(x)	(x)	15,244	17,666	10,249
Interface modules	(x)	(x)	(x)	2,239	4,900	4,564
Compliance devices [4]	(x)	(x)	(x)	8,573		
Robot accessories, subassemblies, n.e.c. [2]	(x)	(x)	(x)	28,325	43,249	36,934
Miscellaneous receipts:						
Research, development, testing, and evaluation of systems and components	(x)	(x)	(x)	14,469	9,161	12,445

X Not applicable. [1] Includes inspection, measuring, gauging, and/or sorting. [2] Includes components and parts. N.e.c. = Not elsewhere classified. [3] Includes other continuous-path type, not elsewhere classified. [4] Includes joint locating and guidance systems for welding and guarding and safety devices.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA 35X(86-1).

NO. 1282. SEMICONDUCTORS AND RELATED DEVICES: 1980 TO 1986

[Semiconductors and related devices represent SIC 3674]

ITEM	Unit	1980	1981	1982	1983	1984	1985	1986
SEMICONDUCTORS [1]								
Sales	Mil. dol.	6,053	6,529	6,970	9,097	13,352	10,349	11,555
Capital expenditures	Mil. dol.	1,438	1,348	1,210	1,452	3,051	2,291	1,640
Percent of sales	Percent	22.6	20.7	17.4	16.0	22.8	22.1	14.2
Japanese capital expenditures as a percent of revenues	Percent	17.2	15.9	16.5	21.5	30.1	31.7	17.2
R&D expenditures	Mil. dol.	563	777	865	1,092	1,362	1,594	(NA)
Imports, total	**Mil. dol.**	**2,325.8**	**3,515.6**	**4,100.3**	**4,822.9**	**7,199.8**	**5,403.4**	**5,641.7**
Integrated circuits, monolithic	Mil. dol.	1,790.2	2,837.8	3,365.1	3,977.2	5,960.1	4,236.9	4,205.1
Integrated circuits, other than monolithic	Mil. dol.	118.8	100.0	96.1	97.9	95.0	127.7	253.4
Transistors	Mil. dol.	416.8	577.8	639.1	747.8	1,144.7	1,038.8	1,183.1
SEMICONDUCTORS AND RELATED DEVICES								
Shipments	**Mil. dol.**	**9,455**	**10,369**	**11,215**	**12,801**	**17,819**	**15,253**	(NA)
Integrated microcircuits	Mil. dol.	6,788	6,793	7,296	8,647	13,484	10,872	(NA)
Transistors	Mil. dol.	807	833	596	602	787	681	(NA)
Diodes and rectifiers	Mil. dol.	514	536	506	572	886	700	(NA)
Semiconductor devices, n.e.c. [2]	Mil. dol.	1,398	2,092	2,335	2,484	2,543	2,589	(NA)
Semiconductors and related devices	Mil. dol.	168	215	480	496	309	431	(NA)
Assets, beginning of year	Mil. dol.	4,014	5,547	6,953	8,400	9,789	12,200	(NA)
New capital expenditures	Mil. dol.	1,596	1,493	1,514	1,832	2,816	2,832	(NA)
Used capital expenditures	Mil. dol.	40	21	37	65	98	390	(NA)
Retirements	Mil. dol.	230	358	423	562	543	896	(NA)
Assets, end of year	Mil. dol.	5,420	6,703	8,181	9,735	12,159	14,526	(NA)
Depreciation charges	Mil. dol.	601	786	841	1,014	1,309	1,512	(NA)
Rental payments	Mil. dol.	74	110	121	147	173	184	(NA)

NA Not available. [1] Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1987. [2] N.e.c. = Not elsewhere classified.

Source: Except as noted, U.S. Bureau of the Census, *Annual Survey of Manufactures*.

Digitized by Google

D. 1283. Selected Electronic and Associated Products—Value of Shipments by Class of Product: 1979 to 1985

millions of dollars. Based on a survey of all establishments with 20 or more employees for industries 3661, 3662, 3671, 3674, 3675, 3676, 3677, 3678, 3679, and 3693; includes all known manufacturers of telephone and telegraph apparatus, communications systems and equipment, and electronic equipment. See source for details. N.e.c. means not elsewhere classified]

Product code [1]	PRODUCT DESCRIPTION	1979	1980	1981	1982	1983	1984	1985
(x)	Selected electronic and associated products	51,255	60,450	71,373	77,568	83,030	101,697	101,342
36611	Telephone switching and switchboard equipment	3,653	4,254	4,363	4,448	4,651	5,871	7,594
36612	Other telephone and telegraph (wire) apparatus, equipment, and components	6,049	6,893	7,501	6,980	6,792	8,370	6,070
36621	Communication systems and equipments [2]	4,246	5,139	5,722	6,854	7,557	9,259	10,786
36622	Broadcast, studio, related electronic equipment	946	1,187	1,446	1,544	1,464	1,476	1,442
36624	Alarm systems	[3] 1,067	[3] 1,193	781	834	880	1,045	1,022
36625	Search and detection systems and navigation and guidance system and equipment	9,773	12,139	15,040	17,733	19,982	22,823	26,444
36626	Vehicular and pedestrian traffic control systems [2]	(1)	(1)	501	413	481	475	453
36628	Intercommunications systems	(1)	(1)	162	163	176	213	206
36629	Electronic systems and equipment, n.e.c. [4]	2,081	2,490	2,900	3,111	3,120	3,361	3,244
36711	Electron tubes receiving type [5]	88	82	63	43	56	45	45
36712	Cathode ray picture tubes, including rebuilt [6]	746	915	913	830	926	933	867
36713	Transmitting, industrial, and special-purpose electron tubes, exc. X-ray [6]	698	778	863	964	1,090	1,134	1,173
36741	Integrated microcircuits (semiconductor networks)	4,717	6,606	6,976	7,322	8,903	13,324	10,090
36742	Transistors	571	800	638	597	626	824	669
36743	Diodes and rectifiers	500	490	616	494	541	662	641
36749	Other semiconductor devices	1,413	1,393	2,079	2,317	2,411	2,586	2,232
36750	Capacitors for electronic applications	939	1,184	1,277	1,209	1,288	1,604	1,376
36760	Resistors for electronic applications	748	809	804	725	763	948	826
36770	Coils, transformers, reactors, and chokes for electronic applications	776	852	952	842	966	1,055	1,086
36781	Coaxial (RF) connectors	1,674	2,018	219	214	211	257	257
36782	Cylindrical connectors			455	388	415	466	527
36783	Rack and panel connectors			393	385	420	484	394
36784	Printed circuit connectors			460	444	598	724	726
36785	Parts for connectors			675	717	942	1,270	870
36791	Filters exc. microwave and piezoelectric			536	408	423	572	518
36792	Magnetic recording tape [6]			1,053	964	959	1,748	1,582
36793	Microwave components and devices			821	766	762	844	936
36794	Relays	7,909	9,619	245	282	524	610	605
36795	Transducers electrical/electronic input or output, n.e.c.			350	363	405	427	510
36796	Switches, mechanical types for electronic circuitry			377	446	512	548	471
36797	Printed circuit boards			1,664	2,147	2,553	3,585	3,062
36798	Complex components			2,320	2,502	2,635	3,418	3,244
36799	All other electronic components, n.e.c			4,302	3,973	4,277	5,692	4,626
36931	X-ray and other irradiation equipment	845	800	1,004	1,342	1,544	1,758	1,631
36933	Electromedical equipment	1,438	1,613	1,937	2,419	2,557	2,675	2,704
6994(pt)	Automatic garage door openers, electronic	132	129	147	137	187	198	184
9992(pt)	Electronic games arcade, amusement center type	248	452	1,037	920	480	284	179
9447(pt)	Electronic games, home electronic type				1,279	479	99	47

X Not applicable. [1] For 1980 and previous years product classes 36624, 36626, and 36628 were combined with 36623. Data for previous product class 36623 is included in 36624 to improve comparability with the 1982 Census of Manufactures. [2] Excludes broadcast. [3] Includes electric railway systems and attachments. [4] Effective for 1981, product class 36627 has been changed to 36629 to improve comparability with the 1982 Census of Manufactures. [5] For 1979 and subsequent years, industries 3671–3673 were merged into industry 3671; product classes previously published with codes 36710, 36720, and 36730 are shown here with codes 36711, 36712, and 36713, respectively. [6] Similar products are collected on the *Current Industrial Report* MA35R, Computers and Office and Accounting Machines, and the data were added together to form the complete product classification.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA36N(85)-1.

No. 1284. Computers and Office and Accounting Machines—Value of Shipments: 1975 to 1985

[**In millions of dollars.** Based on a survey of all known producers of these products except the very small firms (generally less than 10 employees). Includes approximately 740 companies. For details, see source]

Product code	PRODUCT DESCRIPTION	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
35731	Electronic computers	2,123	3,579	5,254	6,908	6,077	10,786	11,356	12,702	17,063	18,680
35732	Peripheral equipment for electronic computing systems	3,732	6,026	7,111	8,976	11,730	14,015	14,853	16,749	19,299	18,158
35734(pt)	Parts and attachments [1]	1,622	2,392	2,747	3,782	4,513	4,296	7,008	7,519	9,992	6,975
35744, 35741	Electronic calculating machines	467	377	400	452	476	422	239	188	174	151
35743	Accounting machines and cash registers	259	405	488	636	709	767	901	1,026	1,129	977
35745(pt)	Parts and attachments [2]	100	41	48	66	53	66	110	133	137	124
35793	Duplicating machines	103	200	193	248	199	193	156	170	188	160
35795	Mailing, letter-handling, and addressing machines	172	235	286	313	361	405	387	508	562	586
35792	Auto. typing and word processing machines	991	1,342	1,673	1,935	2,360	1,415	1,479	1,577	1,869	1,862
35799	Standard typewriters, dictating, transcribing recording and other office machines		106	254	170	215	1,043	1,032	917	942	1,233
579A(pt)	Parts and attachments [3]						202	251	228	221	306

[1] For electronic computers and peripheral equipment, produced by complete machine manufactures. [2] For adding, calculating, and accounting machines and cash registers. [3] For duplicating, dictating, and other office machinec.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA35R(85)-1.

Digitized by Google

NO. 1285. COMPUTER SHIPMENTS AND REVENUES: 1982 TO 1986

[Revenue is in if-sold, end-user dollars]

ITEM	Unit	1982	1983	1984	1985	1986
Computer outlays, total [1]	Bil. dol.	21.8	29.8	39.0	42.7	45.4
Percent change	Percent	34.2	36.0	30.9	9.5	6.3
Mainframe computers, units shipped [2]	1,000	2.1	2.3	2.4	2.4	2.4
Revenues	Bil. dol.	7.0	8.0	8.8	8.7	8.8
Super minicomputers, units shipped [3]	1,000	4.6	5.2	6.4	7.4	8.2
Revenues	Bil. dol.	3.0	3.3	3.7	3.9	4.4
Departmental computers, units shipped [4]	1,000	64.5	75.6	90.1	106.8	113.7
Revenues	Bil. dol.	5.7	7.0	8.1	9.1	10.1
Multiuser microcomputers [5]	1,000	106.9	146.4	196.7	210.4	218.1
Revenues	Bil. dol.	2.0	2.8	3.7	4.0	4.2
Engineering and technical systems shipped [6]	1,000	.6	3.3	7.5	19.1	35.1
Revenues	Bil. dol.	-	.1	.4	.8	1.2
Personal computers shipped [7]	1,000	2,567	6,186	7,740	6,386	7,101
Revenues	Bil. dol.	3.9	8.6	14.3	16.2	16.8
Local area network sales	Mil. dol.	62.5	151.9	321.1	576.7	692.3
Number of connections [8]	1,000	77.9	185.0	420.0	769.9	1,020.4

- Represents zero. [1] Shipments into the U.S. market from any manufacturing country. [2] Units costing more than $1 million. [3] Units costing $250,000 to $1.5 million. [4] Units costing $25,000 to $250,000. [5] Units priced below $25,000. [6] Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. [7] Units costing less than $10,000. [8] Number of new connections of devices, including terminals, computers, and workstations.

Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1987.

NO. 1286. DOMESTIC PERSONAL COMPUTER SALES AND USE: 1981 TO 1986

[In mil. units, except as indicated]

ITEM	1981	1982	1983	1984	1985	1986
Personal computers sold	1.11	3.53	6.90	7.70	7.10	7.81
Value (bil. dol.)	3.14	5.93	9.79	14.49	18.19	21.61
Personal computers in use, total [1]	2.12	5.53	12.17	19.39	25.86	32.54
Workplace	1.24	2.26	4.00	6.47	9.46	12.89
Business: 1–49 employees	.30	.55	.99	1.68	2.62	3.66
50–999 employees	.24	.44	.77	1.24	1.86	2.59
Over 999 employees	.47	.88	1.81	2.64	3.82	5.03
Government	.24	.40	.62	.91	1.16	1.51
Education	.13	.27	.54	.94	1.45	2.01
Kindergarten through grade 12	.10	.21	.40	.70	1.10	1.54
College/university	.03	.06	.14	.24	.36	.48
Homes	.75	3.00	7.64	11.99	14.95	17.61
Personal computer-related equipment in use:						
Impact printers	.72	1.90	4.25	8.68	13.02	17.61
Nonimpact printers	.02	.10	.31	.67	1.21	1.91
Plotters	.02	.05	.12	.24	.44	.71
Monochrome monitors	.97	2.24	4.68	8.19	11.61	15.16
Color monitors	.13	.48	1.29	2.79	4.89	7.71
Modems	.18	.53	1.41	3.02	4.92	7.23
Add-in-boards [2]	2.41	5.68	11.43	19.50	30.51	44.01

[1] Excluding multiuser personal computers. [2] Excluding add-in modem boards.

Source: Future Computing, Inc., Dallas, TX, unpublished data.

NO. 1287. TELECOMMUNICATIONS REVENUE: 1981 TO 1986

[In millions of dollars]

ITEM	1981	1982	1983	1984	1985	1986
Total	**109,916**	**122,542**	**130,119**	**128,173**	**145,238**	**161,99**
Public markets	100,924	112,656	119,160	115,400	131,359	114
Transmission equipment [1]	1,967	2,183	2,598	2,930	3,292	3
Switching equipment [2]	2,648	2,426	2,300	2,773	3,697	3
Public services [3]	96,309	108,047	114,135	109,228	123,568	138,66
Cellular mobile radio [4]	-	-	127	469	802	1,27
On-premises markets	8,992	9,886	10,959	12,773	13,879	14
Terminal equipment [5]	1,564	1,649	1,869	2,256	2,565	2
Data communications equipment [6]	904	1,244	1,789	2,516	3,145	3
Local area network connections	28	62	152	321	577	
Switching equipment [7]	6,280	6,857	6,767	7,202	7,009	7
Attached network functions [8]	216	274	382	478	583	

- Represents zero. [1] Includes multiplex, carrier, microwave radio, and satellite earth station equipment. [2] Includes central office, OCC, and private packet switching equipment. [3] Includes local and long distance telephone services, and public network services. [4] Includes cellular telephone equipment and cellular network services. [5] Includes single-line telephone equipment and integrated V/D work stations, and facsimile equipment. [6] Includes data network control systems, and modem statistical and T-1 multiplexer, front-end processor, and DSU/CSU equipment. [7] Includes data PBX systems, key, PBX, and centrex telephone systems, and automatic call distributors. [8] Includes call accounting equipment, and voice messaging and video teleconferencing systems.

Source: Dataquest Inc., San Jose, CA, *Consolidated Data Base*, April 1987.

Digitized by Google

No. 1288. Industrial Electronic Equipment—Shipments, by Type: 1975 to 1986

[In millions of dollars]

TYPE OF EQUIPMENT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total [1]	13,457	20,339	25,980	32,851	39,539	47,835	54,855	58,067	66,672	67,854	65,955
Computer and peripheral equipment	7,478	11,666	15,111	19,666	24,320	29,099	33,286	37,131	46,486	45,560	42,635
Computers	2,123	3,261	5,248	6,908	6,077	10,786	11,356	12,702	17,063	16,401	18,000
Peripheral equipment [1]	3,732	6,015	7,116	8,976	11,730	14,015	14,922	16,910	19,430	16,184	16,200
Auxiliary storage equipment	937	2,024	2,472	3,090	3,956	4,724	4,067	4,316	5,424	5,191	5,135
Serial access storage	387	589	723	667	743	777	612	772	891	1,102	930
Magnetic storage media:											
Disks: Rigid	(2)	146	98	141	217	235	739	1,054	1,017	1,017	1,020
Flexible (floppy)	(2)	76	74	138	212	277	458	690	562	494	390
Computer tape, cassette, etc.	260	(NA)	47	53	115	108	80	204	251	180	130
Computer terminals:											
General purpose:											
Single CRT	413	760	885	1,303	2,035	1,892	2,138	2,080	1,985	1,307	1,180
Teleprinters	277	335	332	360	491	638	605	573	441	247	180
Special purpose, including graphic	103	177	196	267	325	553	707	1,019	1,194	1,228	1,065
Parts for electronic computers	479	940	1,288	1,586	1,503	1,652	3,201	3,586	5,489	4,021	3,780
Parts for peripheral equipment	1,144	1,452	1,459	2,196	3,010	2,646	3,807	3,933	4,523	4,954	4,655
Controlling, processing equipment	2,492	3,314	4,092	4,856	5,627	6,717	6,523	6,166	7,390	7,616	8,245
Testing, measuring equipment	1,552	1,922	2,483	3,125	3,584	4,144	4,695	5,200	6,279	6,365	5,900
Medical electronic equipment	829	1,715	2,189	2,481	2,703	3,380	4,402	4,845	5,148	5,016	5,200
Nuclear electronic equipment	292	351	427	419	384	447	546	490	480	494	475

NA Not available. [1] Includes other types of equipment not shown separately. [2] Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1289. Consumer Electronic Products—Shipments, by Type: 1975 to 1986

[In millions of dollars. Includes imports]

PRODUCT	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	5,224	8,145	9,107	9,359	10,891	12,453	12,516	14,575	17,758	19,255	21,352
Color TV receivers	2,268	3,289	3,674	3,685	4,210	4,349	4,253	5,002	5,538	5,562	6,024
Video cassette recorders	34	180	326	389	621	1,127	1,303	2,162	3,585	4,738	5,258
Car audio [3]	355	534	582	623	1,368	2,000	2,100	1,900	2,484	2,300	2,800
Separate audio components	652	1,275	1,143	1,178	1,424	1,363	1,161	1,268	913	1,132	1,358
Portable audio tape equipment [3]	653	1,208	1,649	1,739	1,403	1,157	971	1,102	1,191	1,140	1,389
Audio systems [3]	474	606	748	748	809	720	573	630	976	1,372	1,370
Blank video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,265	1,480
Home radios	372	523	436	436	466	501	530	565	661	379	408
Monochrome TV receivers	416	530	549	561	588	505	507	465	419	309	328
Color cameras	(NA)	(NA)	(NA)	(NA)	(NA)	147	232	303	355	228	59
Projection TV	(NA)	(NA)	(NA)	(NA)	(NA)	287	236	268	385	488	529
Blank audio cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277	304
Video disc players	(NA)	(NA)	(NA)	(NA)	(NA)	55	54	61	45	45	45

NA Not available. [1] Prior to 1980, data reflects factory installed products only. [2] Prior to 1980, data includes some tape equipment other than portable. [3] Prior to 1981, data include console phonographs.

Source of tables 1288 and 1289: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1290. Machinery (Except Electrical)—Industry Summary: 1977 to 1985

SIC [1] code	INDUSTRY	1977			1982				1985		
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
35	Total	2,083	30,558	122,188	2,199	46,911	187,896	8,537	1,991	50,905	215,090
351	Engines and turbines	130	2,238	10,426	112	2,650	13,040	728	99	3,123	14,941
352	Farm and garden machinery	151	2,197	11,857	114	2,386	13,108	392	89	2,049	11,651
353	Constr. and related machinery	333	5,097	23,682	326	7,332	32,038	1,578	229	5,977	27,663
354	Metalworking machinery	298	4,514	13,283	283	6,086	16,150	713	264	6,603	19,692
355	Special industry machinery	165	2,618	9,128	183	3,748	13,128	393	166	4,127	14,776
356	General industrial machinery	313	4,451	16,542	314	6,493	24,459	904	269	6,509	25,347
357	Office and comput. machines	259	3,949	16,842	404	9,437	43,028	2,648	407	12,091	62,221
358	Refrig. and service machinery	192	2,516	12,416	172	3,344	16,450	415	183	4,238	20,930
359	Miscellaneous machinery, except electrical	223	2,980	6,012	282	5,235	14,497	767	284	6,187	17,857

[1] Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

Digitized by Google

No. 1291. Electric and Electronic Equipment—Industry Summary: 1977 to 1985

SIC [1] code	Industry	1977			1982				1985		
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
36	Total	1,723	22,544	88,433	1,915	38,414	147,944	7,542	2,007	48,504	192,732
361	Electric distributing equipment	115	1,431	5,772	105	1,995	6,106	220	93	2,026	8,985
362	Electrical industrial apparatus	198	2,543	9,591	191	3,706	13,825	680	179	4,055	15,784
363	Household appliances	162	1,898	10,737	129	2,223	12,644	305	124	2,579	16,230
364	Electric lighting and wiring equipment	165	1,925	6,357	159	2,718	12,048	340	164	3,382	15,809
365	Radio and TV receiving equipment	98	1,097	6,913	66	1,154	7,833	141	59	1,316	10,785
366	Communication equipment	459	6,995	22,744	601	13,979	46,426	2,298	672	19,190	65,390
367	Electronic components and accessories	374	4,557	15,390	516	9,770	34,517	3,013	556	12,352	42,902
369	Miscellaneous electrical equipment and supplies	152	2,098	8,930	147	2,869	12,544	510	157	3,605	16,869

[1] Standard Industrial Classification.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1292. Electronic Computing Equipment Industry—Summary: 1975 to 1985

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

Item	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Employment, total (1,000)	162.5	192.7	232.1	273.9	304.6	320.7	337.9	354.4	373.7	355.0
Salaries and wages	2,292	3,004	3,814	4,777	5,916	6,951	6,053	9,130	10,471	10,69
Production workers (1,000)	73.6	85.5	102.9	122.0	134.7	136.0	140.9	150.1	157.7	133.0
Work-hours (million)	145.9	172.4	202.3	243.8	268.7	263.0	274.5	298.2	309.8	262.0
Workers wages	731	978	1,267	1,546	1,675	2,116	2,352	2,895	3,026	2,78
Value added	4,960	7,624	9,628	12,465	14,717	17,746	19,598	20,876	25,966	23,41
Supplemental labor cost	343	528	696	904	1,097	1,296	1,605	1,834	2,110	2,09
Cost of materials	3,705	5,701	7,519	9,985	12,767	14,774	17,461	21,416	29,379	30,83
Value of shipments	8,560	12,924	16,558	21,466	26,594	32,032	36,767	41,977	53,524	55,39
New capital expenditures	292	652	1,101	1,317	1,706	2,125	2,381	2,341	3,037	3,14
Inventories	2,264	3,008	3,989	5,524	6,679	7,863	8,446	9,085	11,719	10,38
Assets, total	2,232	3,042	4,076	5,196	6,790	8,451	10,250	12,169	14,074	15,81
Rents, total	82	112	147	204	251	292	356	434	499	59
Ratio of—										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.741	.714	.727	.730	.745	.719	.738	.772	.783	.77
Cost of materials to value of shipments	.433	.441	.454	.465	.481	.461	.476	.510	.549	.55
Value added to value of shipments	.548	.590	.581	.581	.553	.554	.533	.497	.483	.42
Value added to work-hours	32.15	44.22	47.59	51.13	54.77	67.48	71.40	70.01	83.55	89.2

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactur*

No. 1293. Electronic Components and Accessories Industry—Summary: 1975 to 1985

[In millions of dollars, except as indicated. Included in SIC 367. See headnote, table 1292]

Item	1975	1977	1978	1979	1980	1981	1982	1983	1984	198
Employment, total (1,000)	302.3	373.5	412.3	467.6	498.6	503.5	515.6	515.0	582.3	53
Salaries and wages	3,358	4,557	5,294	6,461	7,780	8,664	9,770	10,605	12,648	12,3
Production workers (1,000)	197.6	257.9	286.7	324.5	336.6	325.5	324.6	329.0	374.7	34
Work-hours (million)	389.3	508.7	556.9	635.2	650.1	631.3	626.3	642.4	736.7	66
Workers wages	1,705	2,457	2,887	3,484	4,050	4,366	4,645	5,015	6,018	5,8
Value added	5,984	9,260	10,981	14,213	16,902	16,537	21,214	23,610	30,427	26,3
Supplemental labor cost	538	811	998	1,232	1,497	1,723	2,065	2,294	2,752	2,8
Cost of materials	3,984	6,390	7,210	9,206	11,434	12,159	13,584	13,912	18,190	16,4
Value of shipments	10,089	15,390	17,912	22,708	27,647	30,421	34,517	37,194	47,983	42,8
New capital expenditures	536	783	1,119	1,591	2,616	2,459	3,013	2,897	4,410	4,4
Inventories	2,050	2,773	3,275	4,376	5,388	5,745	6,436	6,841	8,037	7,8
Assets, total	4,868	6,026	6,964	8,142	10,615	12,567	15,489	17,609	21,699	25,1
Rents, total	108	107	115	145	189	247	284	315	373	3
Ratio of—										
Cost of materials to value of shipments	.395	.415	.403	.405	.414	.400	.394	.374	.379	.3
Value added to value of shipments	.593	.602	.613	.627	.611	.609	.615	.635	.634	.6
Value added to work-hours	15.37	18.20	19.72	22.38	26.00	29.36	33.87	36.75	41.30	39

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactu*

Digitized by Google

No. 1294. Factory Sales of Electronic Components by Type: 1975 to 1986

[In millions of dollars]

TYPE OF COMPONENT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	9,286	11,747	13,518	17,076	21,334	25,571	28,784	29,561	33,856	43,306	36,845	37,364
olid state products	2,580	4,311	4,363	5,511	7,201	9,089	10,309	10,729	12,570	17,032	13,526	14,200
arts	2,593	2,947	3,534	4,313	8,030	7,080	7,647	7,403	8,318	10,155	8,932	9,204
Connectors	734	828	986	1,286	1,874	2,016	2,203	2,148	2,586	3,200	2,773	2,900
Wire and cable	(1)	(1)	(1)	(1)	789	1,066	1,176	1,304	1,386	1,813	1,502	1,575
Capacitors	470	606	744	897	1,050	1,299	1,297	1,169	1,277	1,619	1,198	1,218
Coils and transformers	489	485	560	654	776	852	952	842	966	1,055	1,086	1,150
Resistors [2]	447	449	477	504	647	653	636	583	638	698	587	588
Relays	(NA)	82	174	177	199	243	245	282	296	552	532	510
Switches	141	118	182	303	366	349	377	446	512	548	471	465
Quartz crystals	209	266	197	227	201	277	413	266	257	340	339	360
Filters	71	64	61	99	126	121	124	142	167	232	179	195
Passive networks	32	47	61	82	111	118	139	138	153	226	193	159
TV and FM antennas, parts	(1)	(1)	72	84	91	84	85	83	80	72	72	78
lectron tubes	1,071	1,216	1,276	1,426	1,554	1,744	1,959	1,885	2,049	2,137	2,055	2,125
Receiving tubes	152	140	144	134	105	91	100	76	62	36	32	30
Power, special purpose	420	456	519	585	662	738	858	925	1,007	1,059	1,061	1,067
TV tubes	499	622	613	707	767	915	1,001	884	980	1,042	962	1,028
ther components [3]	3,042	3,271	4,345	5,826	6,549	7,658	8,869	9,544	10,919	13,982	12,330	11,835

NA Not available. [1] Included in "Other components." [2] U.S. consumption. [3] Includes sockets, delay lines, loudspeaks, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual. (Copyright.)

No. 1295. Transportation Equipment—Value of Shipments: 1972 to 1985

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1972	1975	1977	1980	1981	1982	1983	1984	1985
rcraft [1]	7,538	10,881	12,053	23,366	25,109	24,235	26,377	24,978	31,289
rcraft engines and engine parts	3,070	4,488	4,995	10,010	11,556	11,641	11,516	12,641	14,209
rcraft equipment, n.e.c.	3,437	4,842	5,762	9,946	10,509	10,789	13,171	15,227	17,385
ilt building and repairing	1,031	1,290	1,822	2,129	2,249	2,307	2,594	3,322	3,388
otor homes built on purchased chassis	(NA)	(NA)	1,495	836	1,169	1,036	1,893	1,911	1,666
otor vehicles and car bodies	41,046	43,394	72,979	61,428	69,457	66,706	90,935	112,358	119,632
otor vehicle parts and accessories	19,417	23,023	37,842	35,627	40,215	38,414	46,776	55,805	58,384
otorcycles, bicycles, and parts	541	705	847	1,160	1,160	1,143	1,151	1,263	1,127
ilroad equipment	2,264	3,885	4,002	7,173	4,597	2,879	1,946	2,671	2,295
ip building and repairing [2]	3,201	5,513	6,270	8,889	10,690	10,655	9,342	9,483	9,471

NA Not available. [1] See table 1029 for number of civil aircraft shipments. [2] Value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977,* and *1982*, and *Annual Survey of Manufactures.*

No. 1296. Home Appliances and Home Auto Electronics—Imports: 1983 to 1986

ITEM	NUMBER (1,000)				RETAIL VALUE ($1,000)			
	1983	1984	1985	1986	1983	1984	1985	1986
jor appliances:								
reezers	80	96	35	143	16,710	21,973	4,129	20,197
icrowave ovens	2,472	4,471	12,681	8,191	341,177	559,142	775,578	723,349
efrigerator/freezer combination	783	1,072	1,213	1,212	68,070	94,955	105,383	112,337
dio:								
ntennas, CB	843	632	696	1,019	4,136	3,315	3,102	5,702
ntennas, radio	10,668	9,745	9,844	11,563	36,448	52,203	46,182	63,465
udio frequency elec. amplifiers	4,697	3,628	4,519	4,384	155,950	188,879	263,473	248,356
eadphones [1]	16,363	30,199	26,395	25,682	67,939	119,357	101,976	104,697
oudspeakers	57,693	44,290	64,237	71,165	222,658	278,226	365,880	391,394
icrophones	4,444	2,249	2,175	5,924	20,166	25,240	26,925	34,596
dios, total	40,624	49,425	47,156	43,282	677,404	696,278	814,802	716,393
uto transistors	1,986	539	2,941	2,826	109,975	30,665	208,783	183,406
lock transistor	12,121	15,571	13,031	13,996	163,791	196,932	156,914	138,661
M transistor (not battery)	612	867	695	532	13,250	15,195	28,706	26,619
M transistor (battery)	4,530	5,784	4,854	3,073	14,497	30,328	25,238	10,006
M AM/FM multi-band transistor radios (not battery)	2,467	3,007	3,358	2,656	174,260	192,642	190,007	172,715
M AM/FM multi-band transistor radios (battery operated)	18,908	23,657	22,277	20,199	201,631	230,516	205,154	184,986
io/phone combination [2]	46	49	56	46	2,242	2,334	3,668	7,942
io/phone/tape player combination	338	420	1,795	1,132	23,547	29,611	118,272	74,611
ord changers, auto	390	175	265	15	4,889	3,500	14,305	2,837
eo phonos	105	247	354	51	9,024	14,990	19,653	4,306
tables, auto	715	861	1,380	1,446	40,286	48,343	74,248	67,176
tables, other	1,836	2,002	2,620	1,195	96,596	152,183	233,805	66,747
ceivers/CB	864	1,151	1,461	1,192	31,496	41,666	48,248	40,507
e recorders, players [3]	41,562	52,877	57,775	46,881	1,778,697	2,293,906	2,578,383	2,135,525
uto	3,168	2,632	2,240	2,491	70,286	69,504	64,375	98,290
assette/cartridge, stereo	2,757	2,174	2,389	1,289	202,145	169,845	170,406	122,111
pen reel, stereo	71	46	54	28	10,263	7,856	10,095	15,529

Electric sound amplifier sets. [2] Includes consoles. [3] Includes other types not shown separately.

ource: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 65th Annual Statistical and Marketing Report.

Digitized by Google

No. 1297. Home Appliances and Home and Auto Electronics—Shipments and Retail Value: 1982 to 1986

[Compiled from report of associations and manufacturers. Retail value represents median price of product times the number of units shipped. Except as indicated, covers electric appliances only]

PRODUCT	MANUFACTURES SHIPMENTS (1,000 units)					RETAIL VALUE (mil. dol.)				
	1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
Major appliances	**26,711**	**34,421**	**41,370**	**43,963**	**47,877**	**12,016**	**14,439**	**16,906**	**17,537**	**16,237**
Air treatment	3,118	2,462	3,736	3,712	3,481	1,220	966	1,495	1,491	1,340
Air conditioners	2,505	1,829	2,929	2,900	2,694	1,070	805	1,294	1,286	1,162
Dehumidifiers	435	437	587	586	550	78	80	107	106	97
Air cleaners, electronic	178	196	220	226	237	72	82	95	99	109
Kitchen appliances [1]	18,054	23,274	28,114	30,113	33,452	7,958	10,105	11,641	12,092	12,687
Refrigerators [2]	4,365	5,255	5,731	5,874	6,284	2,937	3,607	4,001	4,121	4,300
Microwave ovens	4,201	6,006	9,020	10,633	12,658	1,979	2,586	3,362	3,466	3,651
Ranges, electric	2,041	2,839	3,164	3,218	3,532	902	1,299	1,477	1,517	1,588
Dishwashers	2,181	3,054	3,428	3,512	3,824	846	1,205	1,368	1,416	1,542
Freezers [3]	1,290	1,166	1,114	1,140	1,154	621	568	545	546	518
Ranges, gas	1,383	1,578	1,736	1,807	1,895	585	695	785	821	881
Disposers	2,693	3,514	4,052	4,068	4,196	293	395	466	489	494
Home laundry	6,403	7,426	8,195	8,626	9,544	2,538	3,034	3,414	3,556	3,852
Dryers	2,612	3,111	3,484	3,701	4,114	898	1,102	1,259	1,325	1,452
Washers	3,791	4,315	4,711	4,925	5,430	1641	1,932	2,154	2,231	2,386
Compact appliances [4]	1,136	1,259	1,325	1,512	1,400	300	334	358	399	375
Video	**19,798**	**24,584**	**29,021**	**33,393**	**37,631**	**8,246**	**10,360**	**12,041**	(NA)	**15,333**
TV, color	11,377	13,939	15,946	16,894	18,855	5,641	6,695	7,297	7,250	7,633
Videocassette recorders	2,030	4,020	7,143	11,912	12,685	1,344	2,303	3,444	(NA)	5,067
TV, black and white	5,750	5,761	5,068	3,745	3,730	626	814	518	367	364
Camcorders	(NA)	(NA)	(NA)	(NA)	1,090	(NA)	(NA)	(NA)	(NA)	1,213
TV projection	117	142	192	261	315	277	285	347	437	884
Video cameras	284	410	484	402	181	265	358	380	266	118
Video cassette players	(NA)	(NA)	(NA)	(NA)	150	(NA)	(NA)	(NA)	(NA)	(NA)
Videodisc players	240	312	188	179	125	93	106	55	51	25
Audio/HiFi	**70,077**	**74,244**	**72,295**	**73,157**	**81,103**	**4,472**	**4,846**	**4,807**	**4,983**	**5,542**
Components [5]	6,192	6,599	6,378	6,800	10,914	1,475	1,518	1,510	1,653	2,041
Amps, pre-amps	365	360	351	344	379	(NA)	(NA)	(NA)	(NA)	(NA)
Tuners	201	221	198	193	218	166	167	153	151	168
Compact disc players	(NA)	45	200	850	1,384	(NA)	33	104	264	357
Speakers	2,970	3,237	3,302	3,345	3,789	418	452	465	474	535
Receivers	1,421	1,550	1,553	1,533	1,843	381	390	391	394	483
Turntables	2,239	2,120	1,696	1,442	1,565	314	260	213	172	187
Tape decks	836	880	890	908	1,508	175	172	161	176	284
Portable tape equipment	27,540	28,407	27,109	27,693	30,629	1,442	1,421	1,334	1,333	1,440
Racked systems	(NA)	540	810	877	954	(NA)	358	492	528	560
Radios	26,518	28,188	27,391	27,528	29,896	819	863	823	808	845
Compact systems	1,808	1,912	1,933	2,112	2,484	504	439	414	433	421
Headphones	2,584	2,809	3,090	3,167	3,425	114	125	134	134	140
Cartridges	3,629	3,774	3,585	3,047	2,795	118	122	114	94	86
Mobile electronics	**20,835**	**22,237**	**23,963**	**24,719**	**26,490**	**1,852**	**2,028**	**2,361**	**2,309**	**3,111**
Autosound [6]	18,729	19,935	21,299	21,744	21,625	1,528	1,793	1,936	1,967	2,022
UD [6] cassette player	692	694	615	554	466	58	59	45	38	30
UD [6] cassette/radio combo	556	519	426	371	303	70	59	40	31	24
ID [6] cassette/radio combo	3,328	3,641	3,932	4,030	3,989	573	676	754	789	814
Radios only	1,057	975	932	867	757	113	104	94	81	65
Car speakers (in pairs)	12,479	13,427	14,635	15,162	15,010	760	834	936	979	942
Radar detectors	608	710	942	1,227	1,688	104	110	137	187	263
Citizen band radios	1,498	1,597	1,637	1,729	1,984	122	125	126	135	148
Cellular telephones	(NA)	(NA)	85	(NA)	265	(NA)	(NA)	162	(NA)	423
Auto security systems	(NA)	(NA)	(NA)	(NA)	1,028	(NA)	(NA)	(NA)	(NA)	257
Home office	**30,980**	**35,745**	**37,050**	**38,041**	**39,399**	**902**	**1,034**	**1,100**	**1,115**	**6,240**
Calculators	29,030	30,895	31,400	33,166	31,318	902	925	946	930	727
Electronic typewriters	(NA)	350	650	850	2,038	(NA)	109	154	185	446
Personal computers	1,950	4,500	5,000	4,025	3,075	(NA)	(NA)	(NA)	(NA)	2,980
Monitors	(NA)	(NA)	(NA)	(NA)	950	(NA)	(NA)	(NA)	(NA)	190
Printers	(NA)	(NA)	(NA)	(NA)	1,568	(NA)	(NA)	(NA)	(NA)	1,071
Personal copiers	(NA)	(NA)	(NA)	(NA)	269	(NA)	(NA)	(NA)	(NA)	229
Facsimile machines	(NA)	(NA)	(NA)	(NA)	181	(NA)	(NA)	(NA)	(NA)	584
Electronic furniture	**4,628**	**5,168**	**5,920**	**6,260**	**6,857**	**557**	**668**	**830**	**930**	**1,037**
Video games:										
Hardware	6,542	6,280	3,120	(NA)	2,336	847	488	194	(NA)	205
Cartridge	61,000	66,320	51,250	(NA)	9,850	1,525	1,700	765	(NA)	180
Specialty radios	**8,498**	**8,107**	**8,279**	**8,166**	**8,154**	(NA)	(NA)	(NA)	(NA)	477
Satellite earth stations	(NA)	(NA)	**450**	**630**	**255**	(NA)	(NA)	**1,310**	**1,386**	**513**
Software	**407,653**	**537,791**	**651,320**	**700,204**	**984,499**	**2,293**	**3,875**	**4,263**	**5,349**	**6,604**
Audio:										
Blank audiocassettes	236,344	251,855	260,969	266,168	268,500	562	587	585	570	451
Video:										
Blank videotape	38,423	61,690	98,353	156,086	[8] 192,655	552	725	925	1,132	[8] 1,106
Beta	12,207	15,670	25,392	27,897	29,024	159	175	224	210	170
VHS	26,216	45,820	72,961	128,191	162,631	393	550	700	923	924
Pre-recorded videotape	6,510	9,606	19,690	43,100	[8] 65,441	407	521	963	1,913	[8] 2,416
Beta	1,960	2,633	4,922	7,430	6,707	113	131	221	301	246
VHS	4,550	6,973	14,768	35,670	58,234	294	389	742	1,613	2,160
Blank floppy disks	119,000	193,000	241,250	205,063	425,000	(NA)	(NA)	(NA)	(NA)	680
Telephone equipment:										
Corded telephones	5,521	15,058	22,930	22,403	23,768	472	1,168	894	963	1,006
Cordless telephones	987	4,488	5,500	4,076	4,279	168	610	598	380	410
Telephone answering equipment	868	2,094	2,628	3,306	4,856	132	264	298	371	535

NA Not available. [1] Excludes duplication; therefore, sum of components will exceed total. [2] 6.5 cu. ft. and over. [3] 10 cu. ft. and over. [4] Refrigerators, freezers, washers, and dryers. [5] Includes others not shown separately. [6] UD = under dash, ID = in dash.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 65th Annual Statistical and Marketing Report.

Digitized by Google



Section 28

Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries appear in the monthly *Survey of Current Business*, issued by the Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Data from the 1958 Censuses of Retail Trade and Selected Services exclude nonemployer establishments which had annual receipts of less than $2,500 and $1,000, respectively. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. Beginning with the 1972 Census of Retail Trade, nonemployer establishments are included if, on an annual basis, they reported sales volume of at least $1,000. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

Prior to 1977, the Census of Selected Services excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered (except religious organizations and private households) in the 1977 census and the title changed to the Census of Service Industries. However, while most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind-of-business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1306), for the United States, by kind of business. In addition, monthly retail sales data for census regions and divisions, large States, metropolitan areas, and

Digitized by Google

cities are included. Annual figures on sales, yearend inventories, and sales/inventory ratios, by kind of business, appear in the *Annual Retail Trade Report.*

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of businesses. Merchant wholesalers are those wholesalers who take title to the goods they sell (e.g., jobbers, exporters, importers, major distributors). These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report.* Annual figures on sales, sales-inventory ratios, and yearend inventories appear in the *Annual Wholesale Trade Report.*

The *Service Annual Survey* provides annual estimates of receipts for selected service establishments for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

No. 1298. Gross National Product in Domestic Trade and Service Industries in Current and Constant (1982) Dollars: 1970 to 1986

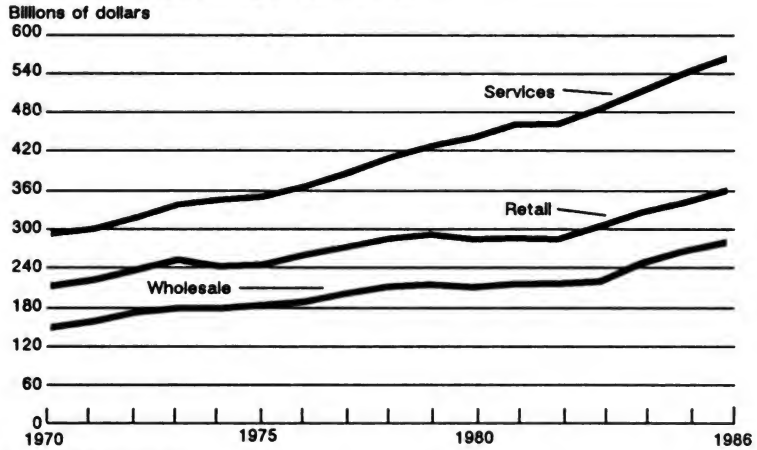
[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
CURRENT DOLLARS										
Wholesale and retail trade	**168.7**	**273.7**	**415.8**	**438.9**	**483.1**	**506.5**	**542.9**	**613.9**	**663.7**	**702.5**
Percent of gross national product	16.6	17.1	16.6	16.1	15.8	16.0	15.9	16.3	16.5	16.6
Wholesale trade	68.2	117.5	179.5	193.9	214.0	219.0	226.5	263.1	281.5	294.6
Retail trade	100.5	156.2	236.3	245.0	269.1	287.5	316.4	350.8	382.2	407.9
Services	**120.2**	**199.8**	**328.7**	**374.0**	**422.6**	**463.8**	**515.5**	**580.2**	**643.7**	**700.2**
Percent of gross national product	11.8	12.5	13.1	13.7	13.8	14.6	15.1	15.4	16.1	16.5
Hotels and other lodging places	6.3	10.1	17.4	18.9	20.4	21.7	24.3	27.0	29.5	31.9
Personal services	9.3	11.4	17.0	18.8	19.5	21.3	23.1	25.0	29.1	31.1
Business services	18.0	30.6	59.1	68.8	79.9	90.7	104.8	125.3	146.3	162.8
Auto repair, services, and garages	6.3	11.2	19.6	21.1	23.1	23.5	26.1	29.2	32.7	34.3
Miscellaneous repair services	2.7	4.8	7.6	9.2	9.2	9.6	10.8	12.6	12.2	12.6
Motion pictures	2.3	3.1	5.0	5.0	5.5	6.3	6.6	7.3	8.2	8.5
Amusement and recreation services	4.8	7.7	11.5	12.4	14.0	15.1	16.8	17.8	20.2	21.4
Health services	31.4	57.8	93.1	108.1	124.7	142.0	156.1	169.0	183.8	198.6
Legal services	7.3	12.5	20.1	23.3	25.9	30.6	35.0	41.6	46.3	52.3
Educational services	7.1	11.4	14.4	16.0	17.5	19.1	21.0	23.5	25.2	26.7
Social services and membership organizations	10.0	15.9	23.5	26.3	28.4	30.5	32.8	35.7	37.9	40.5
Miscellaneous professional services	10.3	18.8	33.9	39.8	47.5	45.7	49.9	56.9	64.1	70.1
Private households	4.5	4.8	6.5	6.6	7.0	7.6	8.2	8.9	9.0	9.3
CONSTANT (1982) DOLLARS										
Wholesale and retail trade	**367.6**	**433.1**	**511.7**	**500.4**	**507.3**	**506.5**	**529.0**	**578.9**	**612.2**	**644.6**
Percent of gross national product	15.2	16.1	16.0	15.7	15.6	16.0	16.1	16.5	17.0	17.4
Wholesale trade	152.0	185.6	217.3	213.5	218.4	219.0	222.0	250.6	268.9	282.4
Retail trade	215.6	247.5	294.4	286.9	288.9	287.5	307.0	328.3	343.3	362.2
Services	**295.7**	**352.4**	**429.8**	**442.6**	**462.5**	**463.6**	**486.6**	**514.0**	**541.3**	**564.9**
Percent of gross national product	12.2	13.1	13.5	13.9	14.2	14.6	14.8	14.7	15.0	15.2
Hotels and other lodging places	17.1	19.2	23.1	22.6	22.3	21.7	22.5	22.9	23.2	22.9
Personal services	22.9	21.1	22.3	22.2	21.0	21.3	21.8	22.4	24.8	25.8
Business services	47.5	57.1	78.8	84.0	88.5	90.7	100.0	111.0	120.7	129.8
Auto repair, services, and garages	14.9	19.2	25.0	24.4	24.5	23.5	25.2	27.3	29.2	30.1
Miscellaneous repair services	5.9	7.4	8.9	8.8	9.7	9.6	9.7	10.2	10.3	10.2
Motion pictures	4.8	5.2	6.1	5.7	5.8	6.3	6.2	6.3	6.7	6.9
Amusement and recreation services	9.2	11.3	13.6	13.7	14.7	15.1	16.1	16.4	18.0	18.2
Health services	77.8	103.5	123.5	129.4	137.7	142.0	146.7	153.1	158.9	166.0
Legal services	23.2	24.7	26.6	28.9	30.6	30.6	31.6	32.8	35.0	36.9
Educational services	14.8	16.8	17.6	18.1	18.6	19.1	19.8	20.6	21.2	21.4
Social services and membership organizations	22.1	25.7	29.4	30.2	30.5	30.5	31.1	32.3	32.9	34.2
Miscellaneous professional services	24.4	33.0	45.0	47.1	51.3	45.7	47.7	49.9	51.8	53.7
Private households	11.3	8.2	7.8	7.4	7.3	7.6	8.1	8.8	8.8	9.0

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82,* and *rvey of Current Business,* July issues.

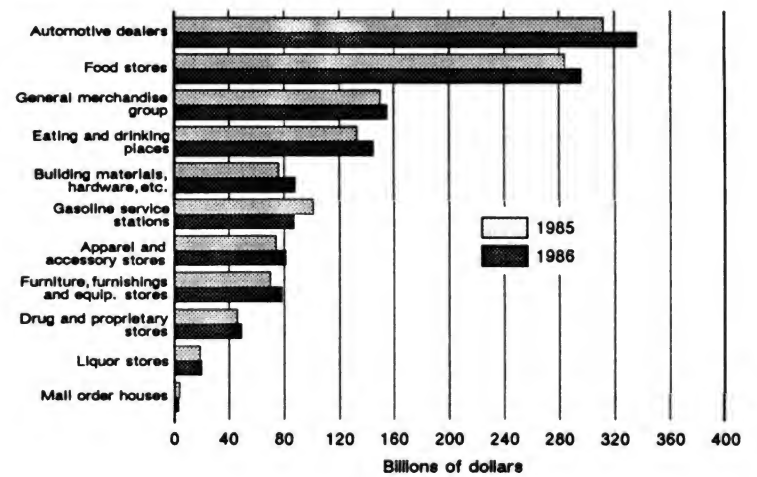
Digitized by Google

Figure 28.1
GNP[1] Originating in Domestic Trade and Services, in Constant (1982) Dollars: 1970 to 1986



[1]Gross national Product.
Source: Chart prepared by U.S. Bureau of the Census. For data see table 1298.

Figure 28.2
Retail Store Sales by Kind of Business: 1985 and 1986



Digitized by Google

No. 1299. Persons Working in Domestic Trade and Service Industries: 1970 to 1986

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and number of active partners and proprietors of unincorporated businesses who devote a majority of their working hours to their unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Wholesale and retail	**14,889**	**16,500**	**19,425**	**19,395**	**19,804**	**19,419**	**19,815**	**21,038**	**21,749**	**22,221**
Wholesale trade	4,123	4,521	5,339	5,396	5,522	5,409	5,409	5,697	5,805	5,849
Retail trade	10,766	11,979	14,086	13,999	14,082	14,010	14,406	15,341	15,944	16,372
Services	**13,380**	**15,650**	**18,849**	**19,526**	**20,230**	**20,729**	**21,571**	**22,895**	**23,925**	**24,794**
Hotels and other lodging places	1,003	1,117	1,234	1,261	1,310	1,340	1,382	1,461	1,573	1,605
Personal services	1,341	1,182	1,322	1,330	1,337	1,334	1,379	1,443	1,503	1,529
Business services	1,666	2,054	2,882	3,077	3,251	3,345	3,703	4,273	4,646	5,012
Auto repair, services, garages	508	638	836	838	865	909	927	1,022	1,090	1,129
Miscellaneous repair services	316	399	480	475	519	515	523	548	555	546
Motion pictures	161	217	255	249	268	266	274	280	283	294
Amusement, recreational services	402	520	647	683	695	702	717	747	753	784
Health services	2,905	4,114	4,963	5,218	5,461	5,677	5,821	5,972	6,148	6,340
Legal services	401	501	660	690	732	786	830	883	923	955
Educational services	1,001	1,151	1,204	1,241	1,277	1,311	1,360	1,414	1,453	1,464
Social services and membership organizations	1,756	2,025	2,302	2,361	2,373	2,382	2,470	2,545	2,606	2,724
Miscellaneous professional services	746	939	1,261	1,348	1,402	1,435	1,447	1,541	1,632	1,679
Private households	1,154	793	803	755	740	727	738	766	760	753

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–82*, and *Survey of Current Business*, July issues.

No. 1300. Retail Trade—Summary: 1954 to 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43–47 and T 79–91]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	1,532	1,577	1,665	1,567	1,573
Multiunit establishments [1]	1,000	167	[2] 183	220	220	301	343	419
Establishments, total	1,000	1,722	1,795	1,708	1,763	1,780	1,855	1,923
With payroll	1,000	1,124	1,185	1,206	1,192	1,265	1,304	1,330
With sales of $1,000,000 or more	1,000	(NA)	(NA)	(NA)	(NA)	74	119	180
Consumer Price Index [3]								
All items	1967 = 100	80.5	86.6	91.7	100.0	125.3	181.5	289.1
All commodities	1967 = 100	85.9	90.6	93.6	100.0	120.9	174.7	283.9
Sales	Bil. dol.	170.0	200.4	244.2	310.2	457.4	723.1	1,065.9
By establishments with payroll	Bil. dol.	157.9	187.6	233.1	295.2	440.2	699.6	1,038.2
By multiunit establishments [1]	Bil. dol.	51.2	[2] 67.2	89.5	123.5	201.8	340.7	586.7
Percent of total sales	Percent	30.1	33.5	36.6	39.6	44.0	47.1	55.0
Percent of multiunit sales by 101-or-more establishment multiunits [1] [4]	Percent	41.6	42.4	43.1	46.7	55.6	55.8	54.5
In 1982 dollars [5]	Bil. dol.	(NA)	(NA)	645.0	763.9	943.3	1,054.2	1,065.9
Percent of sales by corporations	Percent	48.4	53.0	61.9	67.4	76.4	79.8	84.0
Per capita sales: [6]								
Current dollars	Dollars	1,055	1,156	1,296	1,571	2,186	3,291	4,589
Constant (1982) dollars [5]	Dollars	(NA)	(NA)	3,423	3,869	4,508	4,798	4,589
Sales as percent of personal income	Percent	58.6	[2] 55.5	52.4	49.3	48.1	46.9	41.3
Sales, inside SMSAs [1]	Bil. dol.	(NA)	[2] 133.0	169.8	221.4	(NA)	551.8	845.0
Percent of total sales	Percent	(NA)	66.4	69.5	71.4	(NA)	76.3	79.3
Payroll, entire year	Bil. dol.	18.2	21.7	27.6	36.2	55.4	85.9	123.8
Percent of sales	Percent	11.5	[2] 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek [6]	1,000	7,124	7,942	8,410	9,381	11,211	13,040	14,468

NA Not available [1] Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multiunit establishments. 1972 and 1977 data revised since originally published. [2] Excludes Alaska and Hawaii. [3] Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI–U, see text, section 14. [4] For 1982, data provided for percent of multiunit sales by 100-or-more establishment units. [5] Source: U.S. Bureau of Economic Analysis. [6] Based on estimated resident population as of July 1. [7] For definition of SMSA, see Appendix II. [8] 1954–1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I, *1958*, vol. I; *1963*, vol. I; *1967* vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, *1977*, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1

Digitized by Google

No. 1301. Retail Trade Establishments—Number, Sales, and Employees, by Kind of Business: 1977 and 1982

[Data for 1977 are adjusted for comparable treatment of leased departments between 1977 and 1982. Each kind-of-business classification includes leased departments classified in that kind of business as if they were separate establishments. See *Historical Statistics, Colonial Times to 1970*, series T 79–196 for similar but not comparable data]

Kind of business	Establishments (1,000)		Sales (mil. dol.)		Annual payroll (mil. dol.)		Paid employees [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Retail trade, total	**1,870.4**	**1,923.2**	**720,459**	**1,065,917**	**85,417**	**123,619**	**12,968**	**14,468**
Building materials, hardware, garden supply, and mobile home dealers	**90.6**	**88.5**	**38,914**	**50,993**	**4,372**	**6,221**	**471**	**504**
Building materials, supply stores	40.6	40.1	27,123	35,144	2,993	4,179	294	307
Hardware stores	26.6	25.4	6,139	8,727	810	1,250	113	127
Retail nurseries, lawn and garden supply stores	15.5	16.5	1,794	3,120	266	456	36	47
Mobile home dealers	7.8	6.5	3,857	4,003	303	336	27	24
General merchandise group stores	**48.9**	**44.7**	**87,825**	**120,414**	**11,906**	**14,822**	**1,885**	**1,839**
Department stores (incl. leased depts.) [2]	8.8	10.0	76,909	107,163	10,743	(NA)	1,644	(NA)
Department stores (excl. leased depts.) [2]	8.8	10.0	71,053	99,170	9,966	12,495	1,519	1,515
Variety stores	17.4	13.5	6,987	8,211	985	1,085	211	161
Misc. general merchandise stores	22.7	21.3	9,784	13,033	955	1,241	156	163
Food stores [3]	**252.9**	**241.7**	**158,444**	**248,121**	**14,777**	**23,530**	**1,964**	**2,348**
Grocery stores	179.0	168.0	148,116	230,696	13,370	21,364	1,694	2,031
Meat and fish (seafood) markets	17.0	15.5	3,857	5,652	391	563	56	62
Retail bakeries	20.2	22.2	2,352	3,752	630	979	132	159
Fruit stores, vegetable markets	7.9	6.5	1,092	1,552	81	135	14	17
Candy, nut, confectionery stores	9.1	8.9	651	972	78	129	19	23
Dairy products stores	8.3	7.1	1,259	1,531	127	163	31	27
Automotive dealers [4]	**139.7**	**129.3**	**150,130**	**193,515**	**13,338**	**16,882**	**1,119**	**1,051**
Motor vehicle dealers:								
New and used cars	30.8	27.2	121,828	154,726	10,274	12,309	790	699
Used cars only	37.0	34.6	6,945	8,207	374	450	42	36
Auto and home supply stores	47.7	48.8	13,095	21,156	1,968	3,223	210	245
Boat dealers	6.6	5.5	2,597	2,936	248	304	26	23
Recreational and utility trailer dealers	5.2	3.5	2,896	2,831	207	231	20	16
Motorcycle dealers	6.4	5.6	1,980	2,930	214	308	24	27
Gasoline service stations	**177.6**	**135.5**	**56,638**	**97,440**	**3,834**	**4,768**	**673**	**604**
Apparel and accessory stores [3]	**147.8**	**159.0**	**37,184**	**57,816**	**5,207**	**7,563**	**866**	**979**
Men's and boys' clothing, furnishings	23.1	18.6	7,042	7,803	1,102	1,224	146	123
Women's clothing and specialty stores and furriers	55.1	58.8	13,629	22,264	1,902	2,758	359	397
Women's ready-to-wear stores	45.7	47.9	12,537	20,413	1,755	2,492	328	363
Family clothing stores	21.6	23.7	7,972	13,660	1,033	1,671	183	219
Shoe stores	33.4	39.4	7,058	11,419	969	1,571	146	169
Children's and infants' wear stores	5.3	6.6	737	1,410	99	172	21	28
Furniture, home furnishings, and equipment stores	**139.1**	**131.7**	**33,315**	**46,761**	**4,583**	**6,267**	**515**	**543**
Furniture stores	40.8	36.3	14,060	17,658	2,084	2,608	220	214
Home furnishing stores	42.0	44.3	6,324	9,435	897	1,320	105	124
Floor covering stores	17.2	17.1	4,043	5,287	582	721	55	54
Household appliance stores	17.6	13.9	[5] 4,727	5,855	579	697	65	59
Radio, television, and music stores	38.6	35.2	8,180	13,813	1,023	1,662	124	146
Eating and drinking places	**369.0**	**381.7**	**63,371**	**104,592**	[5] **15,437**	**25,708**	**3,765**	**4,666**
Eating places [2]	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
Restaurants and lunchrooms	(NA)	(NA)	(NA)	(NA)	7,784	12,935	1,884	2,291
Refreshment places	(NA)	(NA)	(NA)	(NA)	4,466	8,185	1,160	1,610
Drinking places (alcoholic beverages)	93.8	80.0	7,700	9,501	1,397	1,721	334	325
Drug and proprietary stores	**50.3**	**52.0**	**23,381**	**36,440**	**3,154**	**4,605**	**463**	**496**
Miscellaneous retail stores	**454.7**	**559.0**	**71,279**	**111,824**	**8,810**	**13,232**	**1,246**	**1,438**
Liquor stores	44.6	41.5	13,031	18,146	916	1,310	146	167
Used merchandise stores	49.9	59.0	2,852	4,665	395	730	61	80
Misc. shopping goods stores	166.3	190.0	21,242	35,428	2,775	4,705	447	574
Sporting goods, bicycle shops	31.6	34.7	4,673	8,012	535	926	77	106
Book stores	12.7	14.9	1,842	3,269	233	401	43	58
Stationery stores	8.4	8.6	1,125	1,561	176	257	28	28
Jewelry stores	35.4	38.7	5,712	8,829	874	1,433	111	132
Hobby, toy, game shops	18.8	22.0	1,785	3,464	181	325	34	46
Camera, photographic supply	5.7	6.7	1,175	1,948	135	225	17	21
Gift, novelty, souvenir	34.1	41.4	2,576	5,037	332	694	69	110
Luggage, leather goods	2.8	3.2	372	620	55	94	8	11
Sewing, needlework, piece goods	19.2	21.9	1,981	2,688	254	350	61	62
Nonstore retailers	32.8	32.7	14,445	20,481	2,374	2,942	288	274
Mail order houses	11.0	12.2	7,560	11,362	1,110	1,194	126	103
Automatic merchandising machine operators	13.5	11.8	3,945	4,924	655	935	73	84
Direct selling establishments	8.4	8.7	2,939	4,175	609	813	88	88
Fuel and ice dealers	20.3	15.7	10,168	17,059	1,026	1,405	101	95
Florists	29.5	34.7	2,413	3,734	467	711	88	104
Cigar stores and stands	3.7	3.5	470	624	43	58	8	9
News dealers and newsstands	7.8	13.1	533	790	42	60	9	9
Miscellaneous retail stores, n.e.c. [6]	99.9	168.9	8,124	10,917	770	1,301	98	127
Optical goods stores	(NA)	(NA)	(NA)	(NA)	272	404	27	34

NA Not available. [1] For pay period including March 12. [2] Includes sales from catalog order desks. [3] Includes other kinds of businesses, not shown separately. [4] Revised data not carried to broader kind of business. [5] Revised. [6] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *1982 Census of Retail Trade*, RC82-A-52 (change sheet, June 1985).

Digitized by Google

No. 1302. Retail Trade—Establishments, Employees, and Payroll: 1980 to 1985

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC [1] code	Kind of business	Establishments (1,000)			Employees (1,000)			Payroll 1985 (bil. dol.)
		1980	1984	1985	1980	1984	1985	
(G)	**Retail trade, total**	1,222.9	1,409.5	1,406.8	15,045	16,081	16,852	179.2
52	Building materials and garden supplies [2]	62.4	68.5	68.5	535	553	585	8.4
521	Lumber and other building materials	24.2	26.1	26.3	289	303	322	5.2
523	Paint, glass, and wallpaper stores	8.6	9.3	9.3	44	45	46	[illegible]
525	Hardware stores	16.4	19.9	19.5	129	129	134	1.5
526	Retail nurseries and garden stores	6.3	6.3	6.5	43	50	56	[illegible]
53	General merchandise stores [2]	36.9	35.1	35.3	1,965	1,869	1,942	17.9
531	Department stores	9.2	9.6	10.0	1,591	1,559	1,615	15.0
533	Variety stores	12.4	10.9	10.7	195	150	153	1.1
539	Misc. general merchandise stores	14.9	14.2	13.8	178	159	170	1.7
54	Food stores [2]	157.6	185.1	182.7	2,225	2,499	2,595	27.7
541	Grocery stores	115.0	132.9	130.3	1,917	2,149	2,241	25.2
546	Retail bakeries	15.7	19.3	19.0	149	179	174	1.2
55	Automotive dealers and service stations [2]	202.3	208.2	200.9	1,745	1,779	1,855	31.4
551	New and used car dealers	27.2	26.6	26.1	793	789	839	19.7
553	Auto and home supply stores	35.2	43.8	41.2	225	273	264	3.9
554	Gasoline service stations	116.9	112.0	105.8	601	590	609	5.7
56	Apparel and accessory stores [2]	124.6	139.5	139.3	944	970	1,034	9.2
561	Men's and boys' clothing and furnishings	16.1	16.7	15.9	140	115	118	1.4
562	Women's ready-to-wear stores	40.0	45.1	44.4	350	344	387	3.7
565	Family clothing stores	14.5	17.5	16.6	184	218	221	1.9
566	Shoe stores	32.5	37.7	37.3	178	194	194	1.8
57	Furniture and home furnishings stores [2]	84.4	98.7	98.0	577	587	631	8.8
571	Furniture and home furnishings stores	50.4	55.6	54.3	362	353	363	5.2
5712	Furniture stores	29.1	30.0	29.3	238	219	225	3.3
572	Household appliance stores	10.0	10.4	9.8	65	61	63	[illegible]
5732	Radio and television stores	14.3	22.9	23.2	88	118	140	2.3
58	Eating and drinking places [2]	282.5	350.7	351.3	4,492	5,054	5,302	35.1
5812	Eating places	217.3	282.4	281.4	4,053	4,682	4,879	32.4
5813	Drinking places	54.0	58.1	52.6	319	297	277	1.7
59	Miscellaneous retail [2]	260.3	310.9	317.8	1,914	2,021	2,133	23.5
591	Drug stores and proprietary stores	46.8	51.2	50.7	498	524	539	5.8
592	Liquor stores	26.7	30.4	32.5	140	141	154	1.4
5941	Sporting goods and bicycle shops	15.8	20.8	18.3	96	110	104	1.1
5944	Jewelry stores	20.2	23.5	23.4	140	131	133	1.7
5947	Gift, novelty, and souvenir stores	16.5	23.1	23.0	84	116	120	[illegible]
5961	Mail order houses	6.4	7.6	7.1	134	110	114	1.9
5992	Florists	18.8	23.6	23.5	99	108	114	[illegible]
	Administrative and auxiliary	11.9	12.9	13.0	649	749	775	[illegible]

[1] Standard Industrial Classification; see text, section 13. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1303. Largest Retailing Companies—Sales, Assets, Net Income, and Employees, by Sales Group: 1980 to 1986

[**Sales, assets, and net income in billions of dollars; employees in thousands; except percent.** Excludes large privately-owned companies that do not publish sales. Includes all reported data for fiscal years ending not later than January following year stated]

Rank by sales group	Sales [1]			Assets [2]			Net income [3]			Employees [4]		
	1980	1985	1986	1980	1985	1986	1980	1985	1986	1980	1985	1986
50 largest	200.8	319.3	325.6	96.3	195.0	188.4	3.9	7.6	7.6	3,240	3,887	3,750
Top 10	109.3	168.4	179.9	56.0	114.8	122.2	1.9	3.4	3.9	1,814	1,821	1,968
11th-20th	40.6	63.4	66.7	16.4	34.0	23.6	.5	1.2	1.6	591	720	670
21st-30th	23.8	41.8	38.0	12.3	25.5	24.7	.7	1.5	1.2	569	784	686
31st-40th	15.7	26.7	23.7	7.3	12.5	9.8	.5	.6	.5	324	317	199
41st-50th	11.5	19.1	17.3	4.3	8.2	8.1	.3	.8	.3	143	245	226
Percent of total:												
Top 10	54.4	52.7	55.3	58.2	58.9	64.9	48.7	44.3	51.3	49.8	46.8	52.5
11th-20th	20.2	19.9	20.5	17.0	17.4	12.5	12.3	17.0	21.1	18.2	18.5	17.9
21st-30th	11.8	13.1	11.7	12.7	13.1	13.1	18.5	20.2	15.8	17.6	20.2	18.3
31st-40th	7.8	8.4	7.3	7.6	6.4	5.2	13.8	8.3	6.6	10.0	8.1	5.3
41st-50th	5.7	6.0	5.3	4.5	4.2	4.3	6.8	10.2	3.9	4.4	6.3	6.4

[1] Includes sales of subsidiaries when they are consolidated and sales from discontinued operations. [2] Total assets employed in business at end of fiscal year. [3] After taxes, and extraordinary charges and credits. [4] As of year end, or yearly average.

Source: Time, Inc., New York, NY, adapted from *The Fortune Directories*. (Copyright.)

Digitized by Google

NO. 1304. RETAIL TRADE SALES—SUMMARY: 1970 TO 1986

[Data reflect use of a new sample of retail stores, based on kind-of-business classifications from the 1982 Census of Retail Trade, which was selected and implemented during 1986. Sales and inventory estimates from the old sample were converted to a level comparable with the new sample. Sales and inventories for leased departments and concessions are tabulated in the kind-of-business category of the leased department or concession. Based on Current Business Survey, see Appendix III. Minus sign (−) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1982) DOLLARS [4]		
	Total sales (bil. dol.)	Annual percent change [1]	Per capita [2] (dol.)	Index of sales (1982 = 100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual percent change [1]	Per capita [2] (dol.)
						Total	Dept. stores [3]			
1970	375.2	6.4	1,839	35.1	114.6	260.3	37.4	822.7	2.5	4,033
1971	414.2	10.4	2,002	38.7	135.4	278.6	41.8	874.7	6.3	4,229
1972	458.5	10.7	2,191	42.9	156.3	302.2	45.9	945.6	8.1	4,516
1973	511.9	11.6	2,422	47.9	177.2	334.7	51.0	990.7	4.8	4,687
1974	542.0	5.9	2,541	50.7	172.9	369.1	53.6	937.4	−5.4	4,394
1975	588.1	6.5	2,730	55.0	185.9	402.2	57.5	944.0	.7	4,381
1976	656.4	11.6	3,017	61.4	220.4	436.0	63.5	1,007.2	6.7	4,629
1977	722.5	10.1	3,288	67.6	249.4	473.1	71.1	1,053.3	4.6	4,793
1978	804.2	11.3	3,621	75.2	281.4	522.7	76.0	1,096.0	4.1	4,935
1979	896.8	11.5	3,993	83.9	307.5	589.2	82.5	1,112.6	1.5	4,955
1980	957.3	6.8	4,212	89.5	300.2	657.1	86.2	1,073.3	−3.5	4,723
1981	1,038.7	8.5	4,523	97.1	326.2	712.4	95.6	1,077.4	.4	4,692
1982	1,069.3	2.9	4,609	100.0	338.0	731.2	99.2	1,069.3	−.6	4,609
1983	1,171.2	9.5	4,999	109.5	397.9	773.3	107.9	1,146.5	7.2	4,894
1984	1,289.4	10.1	5,452	120.6	467.4	822.0	119.8	1,230.2	7.3	5,202
1985	1,379.6	7.0	5,779	129.0	518.0	861.6	125.4	1,290.9	4.9	5,407
1986	1,454.4	5.4	6,033	136.0	568.1	886.4	131.9	1,359.5	5.3	5,639

[1] Change from immediate prior year. [2] Based on Bureau of the Census estimates of resident population as of July 1. [3] Excludes leased departments. [4] Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1977 through December 1986*, (BR-13-86S) and unpublished data.

NO. 1305. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1970 TO 1986

[**In billions of dollars.** Based on 1972 Standard Industrial Classification. See headnote, table 1304. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

SIC [1] code	KIND OF BUSINESS	1970	1975	1980	1981	1982	1983	1984	1985	1986
	Retail trade, total	375.2	588.1	957.3	1,038.7	1,069.3	1,171.2	1,289.4	1,379.6	1,454.4
	Durable goods stores, total [2]	114.8	185.9	300.2	326.2	338.0	397.9	467.4	518.0	568.1
55 exc. 554	Automotive dealers	65.2	107.3	164.7	182.7	193.5	233.1	278.9	311.9	335.6
551,2,5,6,7,9	Motor vehicle, misc. automotive dealers	59.2	97.3	146.2	162.3	172.4	209.8	254.6	285.5	309.2
551,2	Motor vehicle dealers	57.2	89.5	137.7	153.0	162.9	200.0	241.4	271.5	294.2
551	Motor vehicle dealers, franchised	54.3	84.9	130.5	144.5	154.7	189.7	230.8	260.4	283.2
553	Auto and home supply stores	6.0	10.1	16.5	20.4	21.2	23.2	24.3	26.4	26.6
52	Building materials, hardware, garden supply, mobile home dealers [2]	16.1	27.3	50.6	52.2	51.0	59.7	69.6	75.6	88.1
521,3	Building materials, supply stores	11.3	17.9	35.0	35.7	35.1	42.4	50.0	55.7	65.8
525	Hardware stores	3.0	5.2	6.3	8.5	8.7	9.1	10.3	10.4	10.7
57	Furniture, home furnishings, equipment [2]	17.0	27.0	44.2	46.9	46.6	55.0	62.2	69.6	76.5
571	Furniture, home furnishings stores	10.4	16.5	26.3	27.5	27.1	31.1	35.1	37.5	41.8
5722,32	Household appliance, radio, TV	5.6	8.2	14.0	15.4	15.8	19.6	22.7	27.4	31.1
	Nondurable goods stores, total [2]	260.3	402.2	657.1	712.4	731.2	773.3	822.0	861.6	886.4
56	Apparel and accessory stores [2]	22.1	32.4	50.4	55.7	57.8	63.0	67.8	74.3	80.6
561	Men's, boys' clothing, furnishings	4.5	6.6	7.7	7.9	7.6	6.1	6.4	6.6	9.6
562,3,6	Women's clothing, specialty stores, furriers	8.2	12.4	18.7	20.7	22.3	24.6	27.5	30.9	33.9
562	Women's ready-to-wear stores	7.1	11.4	17.0	18.8	20.4	22.7	24.6	27.9	30.8
565	Family clothing stores	4.4	6.7	10.6	12.3	13.7	15.3	16.2	17.4	18.8
566	Shoe stores	4.5	5.6	10.5	11.6	11.4	12.2	12.9	14.0	14.9
591	Drug and proprietary stores	14.6	20.0	31.0	34.0	36.4	40.4	43.5	46.2	49.3
58	Eating and drinking places	30.5	51.1	90.1	98.1	104.6	114.9	124.7	133.5	145.0
5812	Eating places	25.5	44.4	80.4	88.2	95.1	105.2	114.6	122.9	133.4
54	Food stores	90.0	138.7	220.2	236.2	246.1	255.7	271.3	284.0	296.0
541	Grocery stores	82.6	129.1	205.6	220.8	230.7	239.6	254.9	267.0	276.5
554	Gasoline service stations	28.9	47.6	94.1	103.1	97.4	99.2	99.8	101.3	86.6
53	General merchandise group stores	49.1	73.7	108.6	117.3	120.4	130.3	143.1	149.6	155.3
531	Department stores [3]	37.4	57.5	86.2	95.6	99.2	107.9	119.6	125.4	131.9
533	Variety stores	6.1	7.9	7.6	6.2	6.2	6.5	6.0	6.9	8.4
539	Misc. gen. merchandise group stores [4]	5.7	8.3	12.6	13.3	13.0	14.0	14.5	15.3	14.9
592	Liquor stores	8.4	11.9	16.9	17.7	16.1	19.1	16.2	19.5	19.6
596	Non-store retailers	9.1	13.4	22.8	23.6	23.8	24.7	26.4	25.9	26.7
5961 pt.	Mail-order houses (department store merchandise)	1.8	2.8	4.3	4.3	4.3	4.3	4.6	4.2	3.3

[1] Standard Industrial Classification Code, see text, section 13. [2] Includes kinds of business, not shown separately. [3] Excludes leased departments. [4] Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Retail Sales and Inventories, January 1977 through December 1986*, (BR-13-86S) and unpublished data.

Digitized by Google

No. 1306. Retail Trade—Sales of Multiunit Organizations, by Kind of Business: 1980 to 1986

[Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multiestablishment files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197–219]

SIC [1] code	KIND OF BUSINESS	SALES (bil. dol.)					PERCENT OF TOTAL RETAIL SALES		
		1980	1983	1984	1985	1986	1980	1985	1986
	Total sales	**355.7**	**438.4**	**474.0**	**498.5**	**519.9**	**37.2**	**36.2**	**35.7**
	Durable goods stores	**34.3**	**45.0**	**51.5**	**55.6**	**61.5**	**11.4**	**10.7**	**10.8**
553	Auto and home supply stores	4.8	5.3	5.5	6.0	6.8	25.7	22.9	25.6
	Nondurable goods stores [2]	**321.4**	**393.4**	**422.5**	**444.0**	**458.4**	**48.9**	**51.5**	**51.7**
56	Apparel and accessory stores [2]	21.5	30.5	33.6	38.0	42.2	42.7	51.1	52.2
562,3,8	Women's ready-to-wear, accessory and fur	8.8	12.1	13.5	15.8	17.9	46.8	51.2	52.8
566	Shoe stores	5.3	8.9	7.4	8.1	9.1	50.7	58.0	60.7
591	Drug and proprietary stores	16.8	23.1	25.7	27.2	28.4	54.3	58.8	57.8
54	Food stores	119.8	142.3	150.5	158.2	164.6	54.4	55.7	55.6
541	Grocery stores	118.1	139.9	148.1	155.6	161.8	57.4	58.3	58.1
53	General merchandise group	96.5	120.4	132.7	138.7	144.8	90.5	92.7	93.2
531	Department stores	82.8	104.3	115.7	121.4	128.0	96.1	96.8	97.0
533	Variety stores	6.3	7.0	7.3	7.3	6.8	80.9	82.7	80.1
539	Misc. general merchandise group stores	7.3	9.1	10.0	9.9	10.1	58.1	64.9	67.8
5812	Eating places	22.8	28.6	31.5	33.6	36.0	26.1	27.3	27.0

[1] Standard Industrial Classification; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*

No. 1307. Retail Trade—Merchandise Inventories and Sales-Inventory Ratios, by Kind of Business: 1980 to 1986

[As of Dec. 31. Includes warehouses. See headnote, table 1304]

SIC [1] code	KIND OF BUSINESS	INVENTORIES AT COST [2] (bil. dol.)				SALES-INVENTORY RATIOS [3]			
		1980	1984	1985	1986	1980	1984	1985	1986
	Total	**117.8**	**161.1**	**174.1**	**181.4**	**8.1**	**8.0**	**7.9**	**8.0**
	Total (excluding automotive dealers)	**92.1**	**121.7**	**127.8**	**133.2**	**8.8**	**8.3**	**8.4**	**8.4**
	Durable goods stores [4]	**55.5**	**79.4**	**89.3**	**93.3**	**5.4**	**5.9**	**5.8**	**6.1**
55 exc. 554	Automotive dealers	25.8	39.4	46.8	48.2	6.4	7.1	6.7	7.0
551,2,5,6,7,9	Motor vehicle and misc. automotive dealers	22.1	35.1	41.9	(NA)	6.6	7.3	6.8	(NA)
551,2	Motor vehicle dealers	19.8	31.7	38.2	(NA)	7.0	7.6	7.1	(NA)
551	Motor vehicle dealers (franchised)	19.0	30.3	36.6	(NA)	6.9	7.6	7.1	(NA)
553	Automotive and home supply stores	3.8	4.3	4.7	5.0	5.1	5.6	5.6	5.3
52	Building materials, hardware, garden supplies, mobile home dealers	9.3	12.7	13.8	14.1	5.5	5.5	5.5	6.3
521,3,5	Building materials, supply, hardware stores	7.9	10.7	11.7	(NA)	5.5	5.7	5.8	(NA)
521,3	Building materials and supply stores	5.7	7.9	9.0	(NA)	6.1	6.3	6.2	(NA)
525	Hardware stores	2.2	2.8	2.7	(NA)	3.8	3.7	3.8	(NA)
57	Furniture, home furnishings, equipment stores [4]	9.1	12.2	13.4	14.6	4.9	5.1	5.2	5.4
571	Furniture, home furnishings	5.2	6.6	7.0	(NA)	5.0	5.3	5.4	(NA)
5712	Furniture stores	3.9	4.5	4.8	(NA)	4.6	4.9	4.9	(NA)
5722,32	Household appliance, radio, TV	2.8	4.4	5.1	(NA)	5.0	5.2	5.4	(NA)
5722	Household appliance stores	1.0	1.2	1.5	(NA)	5.7	6.3	6.1	(NA)
5944	Jewelry stores	3.8	4.5	4.6	(NA)	2.3	2.4	2.5	(NA)
	Nondurable goods stores [4]	**62.4**	**81.7**	**84.9**	**88.0**	**10.5**	**10.1**	**10.2**	**10.1**
56	Apparel and accessory stores [4]	10.8	14.8	15.9	16.2	4.8	4.6	4.7	5.0
561	Men's, boys' clothing, furnishings	1.9	2.1	2.2	(NA)	4.0	4.1	4.1	(NA)
562,3,8	Women's ready-to-wear, accessory and fur stores	3.0	5.0	5.2	(NA)	6.2	5.5	5.9	(NA)
565	Family clothing stores	2.3	3.8	3.8	(NA)	4.8	4.5	4.6	(NA)
566	Shoe stores	2.8	3.9	3.9	(NA)	3.8	3.9	3.8	(NA)
591	Drug and proprietary stores	5.8	7.8	8.5	9.4	5.6	5.6	5.5	5.3
58	Eating and drinking places	2.0	2.4	2.7	(NA)	44.2	51.0	48.7	(NA)
54	Food stores	13.6	17.3	18.6	19.4	16.2	15.7	15.3	15.3
541	Grocery stores	13.0	16.6	17.9	18.6	15.6	15.4	14.9	15.0
554	Gasoline service stations	3.0	2.6	2.8	2.6	31.7	37.8	36.1	33.1
53	General merchandise group stores	20.4	29.0	26.6	29.3	5.2	4.9	5.2	5.3
531,9	Dept. stores, misc. general merchandise stores	18.4	26.6	26.4	(NA)	5.4	5.0	5.3	(NA)
531	Department stores	15.4	23.0	22.5	23.7	5.6	5.2	5.6	5.6
533	Variety stores	2.0	2.4	2.3	(NA)	3.9	3.7	3.9	(NA)
592	Liquor stores	2.0	1.9	2.1	(NA)	8.4	9.5	9.4	(NA)

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. [3] Relates annual sales to yearend inventories. [4] Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*

Digitized by Google

No. 1308. Retail Trade—Sales by Broad Merchandise Lines: 1977 and 1982

[For establishments with payroll. For details on restructuring merchandise lines between 1977 and 1982, see source]

Merchandise line	1977			1982			
					Sales of specified lines		
	Establishments (1,000)	Sales (mil. dol.)	Percent of sales	Establishments (1,000)	Total (mil. dol.)	As percent of total sales	
						Establishments handling line	All establishments
Retail trade, total [1]	[2] 1,304	699,635	100.0	[2] 1,330	1,039,029	(x)	100.0
Groceries and other foods	271	137,506	19.7	267	198,705	51.8	19.1
Meals and snacks	341	54,735	7.8	391	92,677	40.9	8.9
Alcoholic drinks	138	9,998	1.4	140	14,965	33.1	1.4
Packaged alcoholic beverages	136	16,164	2.3	157	25,833	13.5	2.5
Cigars, cigarettes, and tobacco	231	8,475	1.2	241	14,664	4.9	1.4
Drugs, health and beauty aids	(NA)	23,763	3.4	187	42,337	12.4	4.1
Men's and boys' wear, except footwear	106	22,740	3.3	104	29,461	17.7	2.8
Women's and girls' wear, except footwear	139	36,527	5.2	146	57,553	30.6	5.5
Footwear, except infants' and toddlers'	98	10,650	1.5	112	17,017	12.3	1.6
Sewing, knitting, and needlework goods	} 82	10,011	1.4	{ 45	4,132	3.9	.4
Curtains, draperies, and dry goods				{ 65	6,926	8.4	.9
Major household appliances	72	9,179	1.3	61	11,337	10.1	1.1
Small electric appliances	82	2,849	.4	70	4,381	2.7	.4
TV's and video recorders and tapes	55	4,126	.6	59	6,841	8.1	.7
Audio equipment and musical instruments and supplies	89	9,191	1.3	74	11,279	8.2	1.1
Furniture and sleep equipment	72	14,685	2.1	68	19,066	14.4	1.8
Floor coverings	66	5,770	.8	57	8,908	6.2	.7
Kitchenware and home furnishings	137	9,881	1.4	150	15,642	6.3	1.5
Jewelry	111	8,151	1.2	95	12,133	8.1	1.2
Optical goods	21	1,361	.2	21	1,851	4.3	.2
Sporting goods	80	9,451	1.4	70	13,038	11.4	1.3
Recreational vehicles	13	3,234	.5	8	2,957	20.8	.3
Hardware, tools, and plumbing and electrical supplies	94	8,555	1.2	103	13,978	8.2	1.3
Lawn and garden equipment and supplies	99	7,217	1.0	95	11,189	7.5	1.1
Lumber and building materials	80	26,766	3.8	74	32,179	26.1	3.1
Mobile homes	(NA)	(NA)	(NA)	5	3,795	90.6	.4
Cars, trucks, and powered vehicles	56	112,285	16.0	49	139,887	83.9	13.4
Automotive fuels	} 211	48,736	7.0	{ 156	89,288	63.9	8.6
Automotive lubricants				{ 157	2,850	1.1	.3
Automobile tires, batteries, and accessories	195	21,196	3.0	166	31,050	10.3	3.0
Household fuels	23	8,923	1.3	21	14,791	65.5	1.4
Nonmerchandise receipts	262	20,824	3.0	249	30,355	8.8	2.9

NA Not available. X Not applicable. [1] Includes unclassified and all other merchandise, not shown separately.
[2] Detail will not add to total because establishments may carry more than one merchandise line.
Source: U.S. Bureau of the Census, *Census of Retail Trade, 1977*, and *1982, Merchandise Line Sales*, RC77-L and RC82-I-3.

No. 1309. Commercial and Institutional Groups—Food and Drink Sales: 1970 to 1987

[Excludes military. Data refer to sales to consumers of food and alcoholic beverages. Sales are estimated. For details, see source]

Type of group	Number, 1985	Sales (mil. dol.)							
		1970	1980	1982	1983	1984	1985	1986 [1]	1987 [1]
Total	617,699	42,199	119,004	139,723	151,355	164,126	173,889	184,693	196,492
Commercial foodservice [2] [3]	446,691	34,829	101,529	119,992	131,266	143,265	152,864	162,921	174,079
Eating places [3]	265,228	21,814	72,278	86,652	95,267	104,521	111,598	119,021	127,115
Restaurants, lunchrooms	125,688	13,348	39,307	48,443	50,530	55,112	58,444	62,222	66,142
Limited menu restaurants [4]	121,645	6,190	28,899	35,357	39,494	43,719	47,191	50,475	54,250
Bars and taverns [5]	32,308	5,006	7,785	7,912	8,157	8,255	8,428	8,502	8,757
Food contractors [6]	9,026	2,442	6,818	7,708	8,242	8,907	9,460	9,998	10,619
Manufacturing and industrial plants	(NA)	915	2,121	2,258	2,394	2,818	2,721	2,811	2,949
Colleges and universities	(NA)	496	1,140	1,407	1,494	1,612	1,738	1,848	1,964
Lodging places [3]	26,183	2,585	6,768	8,286	9,165	10,026	10,857	11,487	12,271
Hotel restaurants	15,366	1,554	4,964	6,412	7,302	8,110	8,748	9,468	10,203
Motel restaurants	9,013	643	1,151	1,196	1,159	1,190	1,209	1,244	1,275
Retail hosts [3]	104,216	1,652	3,264	4,108	4,690	5,395	6,196	7,085	8,062
Grocery store restaurants	40,998	189	830	1,257	1,554	1,955	2,466	(NA)	(NA)
Dept. store restaurants	4,932	424	857	943	1,006	1,060	1,052	(NA)	(NA)
Gasoline service stations	29,925	109	492	712	860	1,048	1,291	(NA)	(NA)
Recreation and sports	6,642	514	1,452	1,659	1,822	1,906	1,957	2,117	2,242
Institutional foodservice [3]	171,008	7,370	17,475	19,731	20,089	20,861	21,025	21,771	22,413
Employee foodservice	8,297	688	1,635	1,733	1,767	1,904	1,971	2,014	2,098
Industrial and commercial organizations	3,646	561	1,377	1,458	1,505	1,630	1,682	(NA)	(NA)
Educational foodservice	94,103	2,102	4,610	5,248	5,509	5,749	5,978	6,109	6,310
Elementary and secondary schools	91,453	1,163	2,312	2,464	2,577	2,780	2,919	3,017	3,142
Hospitals	6,820	2,991	6,666	7,641	7,375	7,391	7,104	7,229	7,244
Miscellaneous [3]	28,326	646	1,521	1,735	1,885	1,991	2,077	2,151	2,223
Clubs	10,310	525	1,056	1,275	1,391	1,467	1,537	(NA)	(NA)

NA Not available. [1] Projection. [2] Includes other types of groups, not shown separately. [3] Data for establishments with payroll. [4] Fast-food restaurants. [5] For establishments serving food.
Source: National Restaurant Association, Washington, DC, *Foodservice Numbers: A Statistical Digest for the Foodservice Industry*, annual, and *1987 National Restaurant Association Foodservice Industry Forecast*, December 1986. (Copyright.)

Digitized by Google

No. 1310. Retail Sales—by Type of

[In millions of dollars

Division and State	Total [1]		Food stores				General merchandise stores				Automotive dealers	
			Total		Supermarkets		Total		Department stores			
	1982	1986	1982	1986	1982	1986	1982	1986	1982	1986	1982	1986
U.S.	1,065,918	1,476,176	246,458	302,276	231,000	283,918	120,528	171,005	99,185	143,466	193,896	337,452
N.E	62,093	97,592	13,629	19,671	12,465	18,041	8,174	10,147	5,179	8,588	10,359	20,981
ME	5,332	8,050	1,311	1,822	1,247	1,739	465	719	341	544	933	1,796
NH	5,354	8,569	1,278	1,887	1,209	1,792	527	890	415	718	962	1,939
VT	2,601	3,952	612	868	585	832	173	265	120	190	473	932
MA	28,816	46,334	6,006	8,890	5,371	7,975	3,000	4,922	2,538	4,246	4,651	9,668
RI	4,163	6,196	923	1,267	802	1,103	448	717	387	626	633	1,221
CT	15,829	24,491	3,500	4,937	3,251	4,600	1,561	2,634	1,379	2,364	2,706	5,425
M.A	159,349	224,483	38,078	46,019	34,220	43,194	17,381	24,355	14,742	21,126	24,938	46,213
NY	72,267	102,543	17,448	22,451	15,361	19,780	7,812	10,777	6,296	9,146	9,955	18,560
NJ	36,307	52,988	8,610	11,166	7,839	10,196	3,637	5,281	3,163	4,664	6,208	11,875
PA	50,776	68,952	12,022	14,401	11,020	13,218	6,131	8,297	5,283	7,294	8,774	15,778
E.N.C	180,556	243,787	40,116	46,278	37,456	43,328	22,119	30,458	19,081	26,887	32,365	57,120
OH	46,315	62,937	11,145	12,773	10,447	12,003	6,156	8,647	5,360	7,643	7,981	14,233
IN	23,724	33,167	5,299	6,369	5,023	6,058	2,678	3,889	2,252	3,303	4,410	8,123
IL	50,747	66,086	10,561	11,985	9,844	11,204	5,921	7,605	5,061	6,618	8,959	15,333
MI	39,216	55,686	8,518	10,115	7,835	9,325	4,944	7,115	4,437	6,485	7,521	13,713
WI	20,554	25,889	4,594	5,036	4,307	4,738	2,420	3,202	1,970	2,838	3,494	5,718
W.N.C	78,064	106,253	16,879	22,053	16,034	21,011	9,103	13,387	7,399	11,046	14,940	27,166
MN	19,599	26,044	3,922	5,327	3,675	5,008	2,259	3,481	1,894	2,962	3,542	6,774
IA	12,646	16,025	3,012	3,667	2,877	3,515	1,366	1,900	1,066	1,482	2,374	3,847
MO	21,655	31,873	4,888	6,597	4,658	6,303	2,790	4,252	2,402	3,724	4,063	8,137
ND	3,367	4,330	579	735	547	696	349	481	285	396	829	1,360
SD	2,989	3,963	617	785	586	748	256	387	189	267	589	985
NE	6,995	9,215	1,459	1,770	1,387	1,689	797	1,118	596	834	1,321	2,190
KS	10,842	14,803	2,402	3,172	2,304	3,052	1,286	1,766	966	1,361	2,222	3,875
S.A	176,375	253,774	41,345	49,588	39,223	47,201	19,521	26,526	15,412	23,047	33,357	64,896
DE	3,131	4,504	679	831	620	760	418	633	360	553	525	1,037
MD	20,983	30,206	4,696	5,718	4,344	5,307	2,458	3,454	2,117	3,029	3,781	7,643
DC	2,654	3,393	495	591	450	539	225	313	189	270	127	196
VA	24,706	35,450	5,843	7,013	5,580	6,714	2,881	4,190	2,237	3,321	4,599	8,822
WV	7,521	9,917	2,022	2,209	1,954	2,140	1,006	1,382	797	1,120	1,351	2,467
NC	25,005	36,514	6,207	7,520	6,010	7,306	2,508	3,825	1,668	2,666	4,779	9,240
SC	12,496	18,270	3,190	3,960	3,099	3,860	1,244	1,885	905	1,410	2,218	4,336
GA	24,408	36,684	5,582	7,048	5,368	6,796	2,764	4,347	2,200	3,558	4,628	9,342
FL	55,469	78,836	12,631	14,698	11,799	13,779	6,017	8,497	4,938	7,120	11,348	21,813
E.S.C	57,701	79,004	14,480	17,187	13,973	16,641	6,959	10,208	5,115	7,747	11,003	19,127
KY	14,572	18,797	3,665	4,176	3,508	4,007	1,757	2,338	1,369	1,878	2,511	4,178
TN	19,605	26,834	4,720	5,961	4,567	5,804	2,363	3,918	1,828	3,108	3,832	7,122
AL	14,480	19,146	3,708	4,178	3,595	4,064	1,663	2,280	1,190	1,677	2,874	4,895
MS	9,044	12,225	2,367	2,632	2,304	2,766	1,177	1,674	728	1,084	1,786	2,932
W.S.C	127,444	159,264	30,030	35,144	28,877	33,902	14,440	19,290	11,419	15,610	27,341	33,817
AR	9,114	11,734	2,130	2,619	2,065	2,548	1,154	1,599	967	1,360	1,979	2,384
LA	19,986	24,426	5,039	5,805	4,854	5,609	2,326	3,032	1,733	2,334	3,770	4,410
OK	18,071	19,692	3,805	4,208	3,693	4,096	1,812	2,456	1,294	1,839	3,719	4,331
TX	82,274	103,412	19,056	22,512	18,265	21,649	9,148	12,203	7,424	10,086	17,880	22,692
Mt	59,298	79,277	14,086	17,713	13,539	17,082	5,859	8,753	4,621	7,015	11,253	15,830
MT	3,955	4,717	955	1,117	918	1,077	306	420	199	281	748	929
ID	4,060	4,991	1,065	1,178	1,037	1,149	310	435	203	289	815	1,121
WY	2,819	3,853	536	858	517	836	191	305	87	139	490	758
CO	16,591	22,289	3,764	4,779	3,612	4,602	1,668	2,525	1,423	2,198	3,150	4,261
NM	8,319	8,555	1,523	1,861	1,455	1,784	567	905	413	652	1,274	1,872
AZ	13,894	19,272	3,423	4,462	3,292	4,304	1,491	2,196	1,166	1,783	2,620	3,826
UT	6,327	8,082	1,513	1,871	1,448	1,797	711	1,005	579	819	1,196	1,603
NV	5,343	7,518	1,207	1,589	1,160	1,533	597	962	530	864	957	1,458
Pac	165,008	230,782	37,836	46,644	35,212	43,518	18,972	26,861	16,219	22,500	28,340	52,300
WA	20,008	26,109	4,896	5,873	4,669	5,618	2,178	2,761	1,838	2,362	3,250	5,735
OR	12,634	15,872	2,738	3,089	2,597	2,940	1,787	2,290	1,394	1,819	2,258	3,737
CA	123,946	177,444	28,393	35,442	26,285	32,895	14,012	19,498	12,327	17,399	21,861	41,043
AK	3,227	4,508	709	908	685	879	335	510	216	348	419	784
HI	5,193	8,829	1,101	1,332	976	1,186	659	822	445	572	551	1,001

[1] Includes other types of stores, not shown separately. [2] Includes hardware dealers. [3] Includes home furnishings stores.

Digitized by Google

STORE AND STATE: 1982 AND 1986

Data are estimates]

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS [3]		FURNITURE AND APPLIANCE STORES [3]				DIVISION AND STATE
								Total		Furniture		
1982	1986	1982	1986	1982	1986	1982	1986	1982	1986	1982	1986	
103,982	144,730	97,840	91,889	57,838	77,211	51,146	84,489	47,141	77,157	17,951	24,960	U.S.
6,046	10,532	5,299	6,001	3,540	5,042	2,850	5,422	2,406	4,124	873	1,275	N.E.
425	714	406	459	216	277	311	543	144	240	57	82	ME
426	745	411	444	249	354	337	653	200	376	60	94	NH
223	381	226	241	109	150	176	328	81	139	29	43	VT
3,108	5,552	2,387	2,873	1,793	2,654	1,176	2,315	1,170	1,921	447	630	MA
404	678	380	409	237	326	176	294	145	248	50	72	RI
1,457	2,462	1,489	1,575	936	1,281	675	1,289	666	1,200	230	354	CT
15,096	21,144	12,328	11,494	10,341	14,952	6,097	11,280	7,352	13,163	2,570	3,867	M.A.
7,420	10,561	4,625	4,276	5,295	7,646	2,591	4,889	3,608	6,523	1,242	1,878	NY
3,227	4,464	3,251	3,249	2,267	3,430	1,361	2,513	1,743	3,225	585	914	NJ
4,449	6,119	4,452	3,969	2,759	3,876	2,145	3,878	2,002	3,415	744	1,075	PA
18,183	23,779	18,154	16,948	9,426	12,021	7,982	12,309	7,473	12,110	2,717	3,731	E.N.C.
4,683	6,321	5,408	4,758	1,956	2,472	1,837	2,946	1,808	3,034	692	985	OH
2,333	3,171	2,790	2,648	1,079	1,436	1,166	1,809	902	1,489	338	478	IN
5,138	6,335	4,716	3,927	3,291	4,251	2,143	3,052	2,203	3,454	829	1,105	IL
3,819	5,271	4,069	3,862	2,249	2,870	1,790	3,055	1,663	2,851	577	825	MI
2,211	2,681	2,171	1,753	851	992	1,046	1,447	877	1,282	281	338	WI
7,183	9,319	8,436	7,856	3,773	4,351	4,857	6,577	3,143	4,804	1,282	1,697	W.N.C.
1,801	2,418	2,108	2,062	922	1,142	1,221	1,627	776	1,221	292	388	MN
1,137	1,357	1,416	1,234	618	681	798	994	485	692	206	257	IA
2,037	2,777	2,299	2,263	1,015	1,245	1,100	1,820	822	1,276	308	409	MO
291	320	371	321	174	175	246	305	138	193	67	83	ND
275	341	370	335	147	169	204	277	114	158	53	65	SD
687	896	789	675	352	385	449	649	342	536	185	266	NE
956	1,210	1,104	966	544	574	838	905	467	728	171	229	KS
16,667	23,798	16,282	15,503	9,227	11,890	8,757	14,826	8,299	14,156	3,448	5,061	S.A.
266	378	274	244	169	215	158	278	136	238	52	77	DE
1,944	2,667	2,037	1,923	1,126	1,332	791	1,282	951	1,674	335	485	MD
563	746	185	152	241	315	40	63	132	213	58	79	DC
2,152	3,136	2,451	2,245	1,245	1,700	1,063	1,855	1,166	2,074	499	762	VA
544	696	738	758	338	387	455	684	291	405	140	173	WV
2,172	3,189	2,006	2,001	1,390	1,848	1,523	2,631	1,219	2,088	564	867	NC
1,114	1,678	1,250	1,205	692	949	728	1,305	585	994	278	417	SC
2,293	3,432	2,457	2,442	1,261	1,692	1,319	2,342	1,050	1,878	441	679	GA
5,619	7,876	4,883	4,533	2,766	3,472	2,861	4,388	2,767	4,592	1,061	1,522	FL
4,741	6,714	5,846	5,304	2,936	3,738	2,893	4,106	2,286	3,861	1,055	1,556	E.S.C.
1,277	1,742	1,628	1,505	642	776	758	1,000	536	854	241	334	KY
1,708	2,556	2,043	2,001	989	1,379	900	1,359	825	1,490	361	565	TN
1,126	1,544	1,237	1,062	857	1,031	753	1,076	583	961	282	404	AL
630	869	733	736	449	552	482	670	339	556	172	253	MS
11,410	16,086	10,410	9,213	7,446	8,877	6,963	12,652	5,717	7,976	2,350	2,808	W.S.C.
657	966	808	752	476	608	486	980	338	496	165	217	AR
1,843	2,452	1,601	1,466	1,147	1,356	1,171	1,964	932	1,292	404	488	LA
1,440	2,009	1,174	1,025	958	1,158	945	1,627	730	1,033	303	369	OK
7,470	10,659	6,827	5,970	4,864	5,745	4,361	8,081	3,717	5,155	1,478	1,734	TX
6,059	8,178	5,874	6,055	2,752	3,386	3,429	5,423	2,872	4,278	1,038	1,419	Mt.
424	479	403	348	201	219	272	382	173	252	61	77	MT
375	464	368	384	179	195	263	365	173	242	80	103	ID
284	400	407	388	139	157	201	315	98	161	36	50	WY
1,854	2,557	1,472	1,496	785	950	966	1,844	796	1,297	276	380	CO
629	873	1,332	630	328	426	398	642	251	419	115	167	NM
1,428	2,004	1,342	1,487	556	723	695	1,111	657	1,079	246	338	AZ
511	654	675	679	297	351	369	558	315	474	152	204	UT
553	747	575	643	264	345	265	406	209	354	71	100	NV
18,598	25,180	14,411	13,515	8,396	12,974	7,518	11,873	7,793	12,685	2,617	3,536	Pac.
2,268	2,763	1,737	1,458	986	1,446	1,101	1,462	845	1,204	297	356	WA
1,353	1,622	1,147	1,033	601	784	565	742	517	712	173	200	OR
13,684	19,042	10,901	10,495	6,297	9,988	5,354	8,942	6,131	10,357	2,047	2,866	CA
411	561	215	175	130	178	344	510	133	200	42	51	AK
880	1,192	411	354	383	598	154	217	167	212	59	63	HI

Source: Market Statistics, New York, NY, *The Survey of Buying Power Data Service*, annual (copyright).

Digitized by Google

No. 1311. Domestic and International Franchising—Summary: 1970 to 1987

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985 [1]	1986 [1]	1987 [1]
DOMESTIC [2]											
Number of franchised establishments	1,000	396	435	442	442	439	442	444	455	467	499
Company-owned [3]	1,000	72	81	85	86	87	86	87	86	87	91
Franchisee-owned	1,000	324	354	357	356	352	355	357	369	380	408
Sales of products and services	Bil. dol.	120	191	336	365	376	423	492	543	586	661
Company-owned [3]	Bil. dol.	23	29	47	51	55	59	64	68	70	76
Franchisee-owned	Bil. dol.	96	162	289	314	321	364	428	475	496	515
Average sales per establishment	$1,000	302	439	760	824	856	958	1,108	1,193	1,192	1,186
Employment	1,000	(NA)	3,511	4,668	4,878	4,927	5,185	5,671	6,283	(NA)	(NA)
INTERNATIONAL											
U.S. companies operating foreign outlets	Number	[4] 156	222	279	288	295	305	328	342	(NA)	(NA)
Foreign outlets	1,000	[4] 3.4	11.0	20.4	21.4	23.5	25.7	27.0	30.2	(NA)	(NA)

NA Not available. [1] Estimated by respondents to annual survey of franchisors. [2] Excludes foreign outlets of U.S. companies. [3] Represents establishments owned by the parent company. [4] 1971 data.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1985–87.*

No. 1312. Domestic Franchising—Number of Establishments and Sales, by Kind of Franchised Business: 1970 to 1987

[See headnote, table 1311, for definition of franchising. Excludes foreign outlets of U.S. companies]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (mil. dol.)					
	1970	1975	1980	1985	1986 [1]	1987 [1]	1970	1975	1980	1985	1986 [1]	1987 [1]
All franchising, total	396.3	434.5	442.4	455.2	466.8	498.5	119,758	190,931	336,220	542,969	586,231	661,332
Auto and truck dealers [2]	37.2	31.8	29.4	27.5	27.6	27.8	58,812	94,497	143,861	282,580	293,592	305,617
Percent	9.4	7.3	6.6	6.0	5.9	5.6	49.1	49.5	42.8	52.0	52.8	51.7
Restaurants (all types)	32.6	43.0	60.0	73.9	76.3	86.4	4,602	12,262	27,867	47,678	51,468	57,851
Percent	8.2	9.9	13.6	16.2	16.8	17.3	3.8	6.4	8.3	8.8	9.3	9.8
Gasoline service stations [2]	222.0	189.5	158.5	124.6	120.2	117.0	29,340	47,387	94,470	100,767	90,388	94,907
Percent	56.0	43.6	35.8	27.4	25.7	23.5	24.5	24.8	28.1	18.6	16.3	16.0
Retailing (nonfood)	30.7	37.2	35.2	45.1	46.1	50.7	13,133	9,031	10,517	20,571	22,110	25,179
Percent	7.7	8.6	8.0	9.9	9.9	10.2	11.0	4.7	3.1	3.8	4.0	4.2
Auto, truck rental services	[3] 10.7	6.5	7.3	11.2	11.4	11.5	[3] 1,177	1,475	3,146	5,686	6,101	6,536
Automotive products and services [4]	20.4	47.5	40.2	36.5	37.4	40.4	1,936	5,006	7,084	10,659	11,678	12,910
Business aids and services	10.5	22.2	40.7	49.8	53.8	61.3	723	1,397	6,749	11,970	13,486	15,545
Employment services	2.9	2.7	4.4	4.8	5.2	6.0	516	553	1,594	2,732	3,067	3,546
Tax preparation services	4.7	7.5	9.2	8.1	8.1	8.3	85	161	289	427	458	486
Accounting, credit, collection, and general	1.1	3.5	2.4	2.1	2.2	2.6	20	165	121	169	171	212
Other	1.7	8.3	24.7	34.8	36.3	44.4	101	518	4,745	8,642	9,790	11,283
Construction, home improvement, maintenance, and cleaning	.7	10.8	14.3	17.5	18.4	22.2	63	639	1,475	4,067	4,466	4,937
Convenience stores	8.8	13.5	15.6	15.1	15.7	16.6	1,727	3,908	7,821	10,839	11,706	12,803
Educational products and services	4.9	1.3	3.2	8.2	8.2	9.1	86	173	339	768	746	851
Equipment rental services	[3]	1.4	2.2	2.5	2.7	2.9	[3]	157	356	669	720	816
Food retailing [5]	(NA)	11.8	15.5	18.7	20.8	23.8	(NA)	1,445	7,430	10,081	10,755	11,843
Hotels and motels [6]	3.4	6.4	6.4	7.5	8.0	8.6	3,540	4,601	9,506	14,771	15,894	16,729
Laundry, dry cleaning services	4.1	3.2	3.4	2.3	2.7	3.2	144	214	286	303	346	425
Recreation, entertainment, travel	2.7	3.4	4.6	7.6	8.3	8.9	77	162	516	2,318	2,859	3,191
Soft drink bottlers [7]	2.7	2.4	1.9	1.4	1.3	1.3	4,102	8,165	14,352	18,321	19,249	20,032
Miscellaneous	4.8	2.7	3.6	5.5	6.1	7.2	295	414	447	942	1,050	1,257

NA Not available. [1] Estimated by respondents. [2] Estimated by source on basis of Bureau of the Census and trade association data. [3] Equipment rental services included with auto, truck rental services. [4] Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. [5] Excludes convenience stores. [6] Beginning 1975, includes campgrounds. [7] Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1985–87.*

Digitized by Google

NO. 1313. FRANCHISED NEW CAR DEALERSHIPS—SUMMARY: 1970 TO 1986

[Calendar year, except as indicated]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Dealerships, total [1]	Number	30,800	29,600	28,850	28,250	26,800	25,700	24,725	24,725	24,725	25,100
Handling—											
Domestic only [2]	Number	22,500	18,500	11,650	11,600	10,000	14,450	14,675	14,625	12,300	7,150
Imports only [2]	Number	4,500	4,600	4,500	4,550	4,550	4,000	3,950	3,875	3,825	4,425
Both	Number	3,800	6,500	12,700	12,100	12,050	7,250	6,100	6,225	8,600	13,525
Sales	Bil. dol.	51.8	84.2	142.9	130.5	144.5	154.7	189.7	230.8	260.4	283.2
New cars	1,000	8,393	8,633	10,660	8,979	8,533	7,980	9,182	10,390	11,042	11,452
Used vehicles	1,000	11,283	11,281	11,614	10,267	10,760	10,459	11,195	12,473	12,720	12,990
Employment	1,000	702.9	728.0	837.3	753.7	705.1	702.3	748.8	809.4	850.0	880.0
Annual payroll	Bil. dol.	5.5	8.4	12.1	11.8	12.1	12.4	14.3	16.4	18.2	19.6
Advertising expenses	Bil. dol.	.4	.6	1.1	1.2	1.3	1.4	1.7	2.2	2.9	3.4
Inventory: [3]											
Domestic: [2]											
Total	1,000	1,409	1,514	1,891	1,506	1,457	1,294	1,209	1,413	1,510	1,687
Days' supply	Days	60	67	70	71	74	71	55	55	58	63
Imported: [2]											
Total	1,000	(NA)	407	502	458	427	381	260	216	271	392
Days' supply	Days	(NA)	80	63	55	52	54	34	26	30	37

NA Not available. [1] At beginning of year. [2] Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). [3] Annual average.

Source: National Automobile Dealers Association, McLean, VA, *NADA Data*, annual.

NO. 1314. WHOLESALE TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43–47, and T 274–279]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	276	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of $1,000,000 or more	1,000	(NA)	(NA)	62	75	103	152	190
Sales, all establishments	Bil. dol.	234.0	285.7	358.4	459.5	695.2	1,258.4	1,999
Merchant wholesalers	Bil. dol.	100.1	122.1	157.4	206.1	353.9	677.5	1,159
Inventories, end of year	Bil. dol.	13.0	15.0	20.1	28.1	45.7	82.3	130.7
Payroll, entire year	Bil. dol.	10.9	13.2	18.1	23.9	36.9	58.3	95.2
Paid employees, Mar. 12 workweek [1]	1,000	2,555	2,808	3,089	3,519	4,026	4,397	4,985
Active proprietors of unincorporated businesses	1,000	150	158	133	122	(NA)	(NA)	(NA)

NA Not available. [1] 1954–1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; *1977*, WC 77-A-52 and *1982*, WC 82-A-52.

NO. 1315. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 274–287 and T 352–369 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade	**382.8**	**415.8**	**1,258,400**	**1,997,895**	**58,290**	**95,209**	**4,397**	**4,985**
Merchant wholesalers	307.2	337.9	677,550	1,159,334	42,067	69,936	3,368	3,918
Other operating types	75.6	77.9	580,851	838,561	16,223	25,273	1,029	1,067
Durable goods	**226.2**	**256.1**	**608,756**	**861,212**	**34,998**	**57,368**	**2,539**	**2,913**
Motor vehicles, automotive equipment	38.9	39.5	147,112	187,607	5,148	7,524	423	433
Furniture, home furnishings	11.1	12.5	22,032	32,452	1,445	2,367	110	126
Lumber, construction materials	15.7	17.0	46,179	50,694	2,502	3,429	180	184
Sporting, recreational, photographic goods [2]	6.6	7.3	16,521	26,980	1,024	1,646	77	85
Metals and minerals, except petroleum	9.4	10.1	80,298	102,690	2,178	3,359	133	148
Electrical goods	24.9	29.2	69,999	120,062	3,922	7,462	277	357
Hardware, plumbing, heating equipment	18.6	20.8	30,805	43,529	2,576	4,051	194	217
Machinery, equipment, supplies	84.0	99.2	165,057	263,209	14,350	24,804	986	1,192
Miscellaneous	17.1	20.5	30,952	53,889	1,852	2,726	160	171
Nondurable goods	**156.6**	**159.7**	**649,644**	**1,116,683**	**23,292**	**37,841**	**1,858**	**2,072**
Paper, paper products	11.7	13.9	32,509	53,493	2,103	3,566	149	187
Drugs, drug proprietaries [3]	3.6	3.9	19,445	33,987	1,148	1,975	89	106
Apparel, piece goods, notions	13.0	14.3	39,895	55,897	1,830	2,897	131	144
Groceries and related products	38.0	38.5	182,905	288,659	7,469	12,269	602	674
Farm-product raw materials	14.8	13.9	110,332	153,419	1,273	1,839	135	136
Chemicals, allied products	8.5	10.7	51,661	76,103	1,603	2,902	100	124
Petroleum, petroleum products	22.6	18.7	116,780	296,995	2,249	3,433	179	186
Beer, wines, distilled alcoholic beverages	6.7	6.4	26,979	42,122	1,841	3,091	122	141
Miscellaneous	37.8	39.4	69,136	116,006	3,778	5,849	351	372

[1] For pay period including March 12. [2] Includes toys, hobby goods, and supplies. [3] Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Geographic Area Series, WC 77-A-52, and *1982*, Geographic Area Series, WC 82-A-52.

Digitized by Google

NO. 1316. MERCHANT WHOLESALERS—SUMMARY: 1975 TO 1986

[Data reflect latest revision. Based on Current Business Survey; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data]

SIC [1] code	KIND OF BUSINESS	1975	1980	1981	1982	1983	1984	1985	1986
	SALES (mil. dol.)								
	Merchant wholesalers	**561,637**	**1,124,451**	**1,224,160**	**1,155,481**	**1,205,093**	**1,360,853**	**1,374,752**	**1,381,311**
50	**Durable goods [2]**	**231,692**	**483,079**	**523,356**	**480,299**	**516,964**	**609,210**	**630,312**	**664,109**
501	Motor vehicles and automotive equipment	39,681	83,142	89,608	91,394	101,984	121,188	132,391	145,216
502	Furniture and home furnishings	8,265	18,276	17,914	17,663	20,199	23,716	24,210	26,337
503	Lumber and other construction material	17,261	36,390	34,872	33,116	40,712	44,561	46,193	51,435
505	Metals and minerals, except petroleum	(S)	63,436	70,432	52,489	52,728	64,928	60,933	57,347
506	Electrical goods	22,747	48,889	53,808	55,837	67,315	86,814	88,753	92,350
507	Hardware, plumbing, and heating equipment	15,200	29,109	31,030	29,255	32,293	37,671	41,263	43,618
508	Machinery, equipment, and supplies	69,153	140,680	157,203	140,896	138,817	162,893	165,820	169,216
509	Miscellaneous durable goods	(S)	52,524	55,138	45,994	49,466	53,166	54,467	60,508
51	**Nondurable goods [2]**	**329,945**	**641,372**	**700,804**	**675,182**	**688,129**	**751,643**	**744,440**	**717,203**
511	Paper and paper products	11,215	22,608	25,072	25,937	28,617	34,473	36,798	40,521
512	Drugs, drug proprietaries, and druggists' sundries	8,750	13,607	15,856	16,636	19,739	22,143	25,095	27,576
514	Groceries and related products	95,754	155,372	165,374	174,687	190,308	208,925	217,085	234,748
515	Farm-product raw materials	83,264	125,433	126,899	114,598	123,307	126,154	93,252	79,195
518	Beer, wine, and distilled beverages	19,370	31,911	34,683	36,456	36,869	37,646	39,358	40,262
519	Miscellaneous nondurable goods	43,651	77,501	86,354	88,492	90,732	101,373	104,008	109,170
	INVENTORIES [3] (mil. dol.)								
	Merchant wholesalers	**56,972**	**122,979**	**130,275**	**128,196**	**129,803**	**140,865**	**144,244**	**147,375**
50	**Durable goods [2]**	**36,972**	**78,727**	**85,380**	**84,679**	**83,763**	**92,716**	**93,099**	**95,710**
501	Motor vehicles and automotive equipment	6,578	12,352	12,867	14,340	13,602	15,675	16,781	18,643
502	Furniture and home furnishings	1,234	2,502	2,538	2,469	2,616	2,973	3,264	3,333
503	Lumber and other construction material	(NA)	(S)	(S)	(S)	4,111	4,335	4,374	4,940
505	Metals and minerals, except petroleum	4,426	10,620	12,452	11,487	10,514	10,938	9,975	9,359
506	Electrical goods	3,530	7,643	8,935	9,028	9,580	12,955	12,866	13,576
507	Hardware, plumbing, and heating equipment	2,677	5,268	5,548	5,244	5,495	6,273	6,419	6,642
508	Machinery, equipment, and supplies	12,950	29,274	32,273	31,669	30,867	32,092	32,300	31,007
509	Miscellaneous durable goods	(NA)	(S)	(S)	(S)	4,469	4,816	4,453	4,823
51	**Nondurable goods [2]**	**20,000**	**44,252**	**44,895**	**43,517**	**46,040**	**48,149**	**51,145**	**51,665**
511	Paper and paper products	1,010	2,023	2,296	2,236	2,705	2,975	3,287	3,570
514	Groceries and related products	4,449	7,843	7,818	8,157	8,966	9,774	10,998	12,185
515	Farm-product raw materials	4,088	7,567	6,082	6,383	7,428	6,920	7,202	5,636
518	Beer, wine, and distilled beverages	1,745	3,227	3,472	3,582	3,372	3,550	3,805	3,818
519	Miscellaneous nondurable goods	3,276	7,238	7,779	7,633	8,249	9,547	9,658	9,689
	SALES/INVENTORY RATIO [3]								
	Merchant wholesalers	**9.86**	**9.14**	**9.40**	**9.01**	**9.28**	**9.66**	**9.53**	**9.37**
50	**Durable goods [2]**	**6.27**	**6.14**	**6.13**	**5.66**	**6.17**	**6.57**	**6.77**	**6.94**
501	Motor vehicles and automotive equipment	6.03	6.73	6.96	6.37	7.50	7.73	7.89	7.79
502	Furniture and home furnishings	6.70	6.51	7.06	7.15	7.72	7.98	7.42	7.90
503	Lumber and other construction material	(NA)	(S)	(S)	(S)	9.90	10.28	10.56	10.41
505	Metals and minerals, except petroleum	(S)	5.97	5.66	4.57	5.02	5.94	6.11	6.13
506	Electrical goods	6.44	6.40	6.02	6.18	7.03	6.70	6.90	6.80
507	Hardware, plumbing, and heating equipment	5.68	5.53	5.93	5.58	5.88	6.01	6.43	6.57
508	Machinery, equipment, and supplies	5.34	4.81	4.87	4.45	4.50	5.08	5.13	5.46
509	Miscellaneous durable goods	(NA)	9.85	11.19	9.77	11.07	11.04	12.23	12.55
51	**Nondurable goods [2]**	**16.50**	**14.49**	**15.61**	**15.59**	**14.95**	**14.70**	**14.56**	**13.88**
511	Paper and paper products	11.10	11.16	10.92	11.60	9.84	11.85	11.20	11.35
514	Groceries and related products	21.52	19.81	21.15	21.41	21.22	21.37	19.74	19.26
515	Farm-product raw materials	20.37	16.57	20.86	17.95	16.60	18.23	12.95	14.05
516	Beer, wine, and distilled beverages	11.10	9.89	9.99	10.18	10.93	10.60	10.34	10.54
519	Miscellaneous nondurable goods	13.32	10.71	11.10	11.59	11.00	10.62	10.77	11.27

NA Not available. S Data do not meet publication standards. [1] Standard Industrial Classification; see text, section 13. [2] Includes kinds of businesses, not shown separately. [3] End of year inventories; seasonally adjusted.

Source: U.S. Bureau of the Census, *Current Business Reports, Revised Monthly Wholesale Trade Sales and Inventories, January 1980 Through December 1986*, (BR-13-86S) and earlier reports.

Digitized by Google

No. 1317. Wholesale Trade—Summary, by State: 1982

Division and State	Establishments	Sales (bil. dol.)	Paid employees [1] (1,000)	Merchant wholesalers: Establishments	Merchant wholesalers: Sales (bil. dol.)
U.S	415,829	1,997.9	4,985	337,943	1,159.3
N. Eng.:					
ME	1,654	4.2	18	1,465	3.1
NH	1,487	4.1	16	1,220	2.8
VT	800	1.9	9	720	1.6
MA	9,709	49.8	132	7,637	26.3
RI	1,549	5.0	18	1,334	3.2
CT	5,329	32.7	69	4,241	19.8
Mid. Atl.:					
NY	39,106	261.2	430	32,622	176.3
NJ	14,739	89.4	211	11,789	46.2
PA	17,873	78.4	221	14,206	38.9
E. No. Cent.:					
OH	16,965	79.6	221	12,987	37.5
IN	8,953	31.5	99	7,459	19.1
IL	21,722	131.1	287	16,975	65.5
MI	12,999	59.8	146	10,159	27.8
WI	8,159	27.4	91	6,832	16.6
W. No. Cent.:					
MN	9,020	47.4	104	7,334	30.8
IA	7,393	25.8	69	6,507	19.2
MO	10,149	49.4	122	8,202	27.5
ND	2,109	8.0	19	1,880	4.7
SD	1,903	4.9	16	1,635	3.0
NE	4,073	17.4	42	3,565	10.1
KS	5,607	24.5	58	4,605	15.5
So. Atl.:					
DE	819	7.3	14	669	2.1
MD	5,507	25.8	77	4,333	13.3
DC	495	2.6	9	394	1.5
VA	6,960	28.7	91	5,687	14.8
So. Atl.—Con.					
WV	2,380	6.1	26	2,016	4.1
NC	10,234	39.6	116	8,219	18.9
SC	4,539	12.7	46	3,884	7.8
GA	11,322	56.1	140	8,651	22.2
FL	19,537	65.6	212	16,287	39.1
E. So. Cent.:					
KY	5,278	19.2	60	4,338	11.0
TN	7,853	37.8	102	6,329	19.4
AL	5,913	19.6	68	4,948	12.2
MS	3,633	10.8	38	3,189	8.5
W. So. Cent.:					
AR	3,769	10.7	39	3,319	7.3
LA	7,678	36.1	98	6,335	24.9
OK	6,167	28.1	71	5,176	18.5
TX	31,978	205.0	417	25,670	122.7
Mt.:					
MT	1,809	4.9	18	1,588	3.7
ID	2,026	5.1	22	1,773	3.7
WY	1,091	3.3	10	905	2.8
CO	8,357	26.9	77	4,940	15.2
NM	2,123	5.1	21	1,821	4.1
AZ	4,555	13.9	52	3,721	8.3
UT	2,585	8.7	31	2,085	5.3
NV	1,233	3.9	14	1,073	2.6
Pac.:					
WA	7,889	31.3	90	6,180	18.5
OR	5,180	26.9	58	4,221	18.9
CA	43,278	217.7	548	34,832	128.6
AK	706	2.7	7	552	1.6
HI	1,737	4.1	17	1,434	2.5

[1] For the pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Wholesale Trade*, Geographic Area Series, WC82-A-1 to 51.

No. 1318. Selected Service Industries—Summary: 1977 and 1982

[For establishments with paid employees]

Item	Unit	Firms subject to federal income tax: 1977	1982: Original	1982: Revised [1]	Firms exempt [2] 1982
Firms	1,000	654	1,154	740	121
Total establishments	1,000	725	1,262	827	147
Single unit	1,000	626	1,111	708	112
Multiunit	1,000	99	151	119	35
Receipts [3]	Bil. dol.	164.2	427.0	310.7	61.5
Average receipts [3] per establishment	$1,000	226.5	338.4	375.7	418.1
Of multiunit establishments	Bil. dol.	69.9	163.9	140.1	24.3
Percent of total [3]	Percent	42.6	38.4	45.1	39.5
Payroll, entire year	Bil. dol.	56.1	158.6	107.9	23.1
Paid employees [4]	1,000	6,337	11,106	8,060	2,280

[1] Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 (Standard Industrial Classification codes 702, 704, 80 (except 8072); 823, 824, 829, 83, 892, 893, and 899 excluded). [2] No similarly published data in 1977. [3] Revenue for tax-exempt activity. [4] For workweek including March 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, vol. 1, and *1982*, SC 82-I-1.

Digitized by Google

No. 1319. Service Industries—Summary of Establishments by Tax Status: 1977 and 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 391–443 for similar but not comparable data]

Kind of business	Establishments [1] (1,000)		Receipts or expenses [1] (mil. dol.)		Annual payroll (mil. dol.)		Paid employees [2] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Firms subject to Federal income tax	**2,755.1**	(NA)	**248,813**	(NA)	**61,183**	**158,825**	**5,618.9**	**11,106.1**
Hotels, motels, and other lodging places	**79.7**	**69.1**	**16,755**	**34,057**	**5,190**	**9,289**	**918.7**	**1,102.1**
Hotels, motor hotels, and motels	51.9	47.6	17,719	32,675	5,027	9,067	894.1	1,076.2
Trailering parks and camps	18.9	15.3	734	1,044	103	151	11.9	15.2
Rooming, boarding, and membership lodgings	(X)	6.3	(X)	338	60	71	12.7	10.8
Personal services [3]	**512.1**	(NA)	**18,433**	(NA)	**5,478**	**7,956**	**910.4**	**970.5**
Laundry, cleaning, and garment services	75.4	66.2	6,829	9,913	2,288	3,225	361.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	264.7	274.9	5,266	7,455	1,816	2,414	316.7	314.2
Shoe repair, shoe shine, etc	9.6	7.8	239	281	40	51	7.2	7.0
Funeral service, crematories	19.6	18.7	2,827	3,936	639	927	71.8	74.2
Business services	**458.2**	(NA)	**54,500**	(NA)	**20,852**	**42,416**	**2,297.4**	**3,151.7**
Advertising	32.9	41.7	4,983	9,286	1,921	3,392	118.8	145.9
Services to dwellings, other buildings	67.3	91.9	4,597	8,197	2,256	3,899	426.3	540.0
Computer, data processing services	16.1	40.9	7,576	22,217	2,833	7,843	203.9	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	957	3,338	51.3	126.6
Data processing services	(NA)	(NA)	(NA)	(NA)	1,614	3,446	135.7	183.4
Computer related services, n.e.c. [4]	(NA)	(NA)	(NA)	(NA)	262	1,060	16.8	43.5
Management, consulting, public relations	143.8	267.9	8,343	20,106	2,839	6,529	208.8	353.5
Equipment rental, leasing services	29.3	49.2	[5] 4,970	11,361	[5] 1,060	2,305	[5] 84.6	133.4
Other business services [3]	168.9	(NA)	23,898	(NA)	9,918	18,447	1,252.5	1,625.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	539	808	64.2	80.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	276	560	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	568	1,024	48.0	56.6
Personnel supply services	(NA)	(NA)	(NA)	(NA)	2,881	5,632	431.7	608.8
Research and development labs	(NA)	(NA)	(NA)	(NA)	843	1,579	48.5	64.1
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	308	643	25.3	35.0
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	1,596	3,000	279.9	340.5
Automotive repair, services, garages	**200.2**	**227.6**	**21,576**	**33,782**	**4,456**	**7,057**	**483.2**	**563.2**
Automotive rental and leasing, without drivers	12.4	12.5	6,407	9,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,592	211	320	33.9	34.9
Automotive repair shops	154.2	179.1	12,770	20,414	3,090	4,906	318.3	364.6
General auto repair	87.0	109.5	5,633	8,924	1,173	1,840	128.3	144.1
Top and body repair	38.8	40.8	3,246	5,398	874	1,439	87.9	103.4
Other auto repair	28.4	28.8	3,891	6,092	1,043	1,627	120.0	117.2
Automotive services, exc. repair	24.7	27.2	1,391	2,026	320	449	57.6	59.5
Miscellaneous repair services	**162.9**	**159.3**	**11,028**	**16,032**	**2,992**	**4,559**	**278.1**	**299.7**
Electrical, electronic repair shops	52.5	35.9	3,581	4,488	1,001	1,359	95.2	87.4
Reupholstery, furniture repair	24.6	21.3	994	825	[6] 147	192	[5] 20.9	19.8
Other repair shops, related services	85.8	102.0	6,726	10,719	1,833	3,017	161.8	192.5
Amusement, rec. serv., incl. motion pictures	**176.8**	**214.4**	**21,143**	**35,320**	**5,272**	**8,805**	**660.3**	**803.8**
Motion picture prod., distribution, services	10.7	15.9	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,606	3,610	462	567	112.2	103.5
Producers, orchestras, entertainers	67.7	92.9	2,361	4,319	524	971	50.1	56.8
Bowling alleys, billiards, pool establishments	11.3	8.9	1,768	2,308	490	648	108.1	108.9
Commercial sports, other amusement, recreation services	75.2	86.7	8,997	14,730	2,419	4,168	301.5	407.4
Health services, except hospitals [3]	**443.1**	**542.6**	**54,386**	**101,220**	**20,952**	**42,832**	**1,821.0**	**2,433.1**
Offices of physicians	189.1	234.8	28,756	53,241	11,854	24,576	624.0	822.0
Offices of dentists	99.3	114.4	10,007	16,814	3,044	5,788	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	960	1,620	87.9	103.7
Legal services	**167.9**	**203.0**	**18,896**	**36,930**	**5,217**	**12,554**	**392.0**	**568.4**
Selected educational services [3]	**81.8**	**107.6**	**1,836**	**3,226**	**493**	**822**	**51.2**	**68.5**
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	506	34.1	38.0
Schools and educational services, n.e.c. [4]	(NA)	(NA)	(NA)	(NA)	186	309	26.2	30.0
Engineering, architectural, surveying services	**75.6**	**96.9**	**14,737**	**35,557**	**6,292**	**14,717**	**373.2**	**561.5**
Accounting, auditing, bookkeeping services	**126.1**	**179.8**	**7,990**	**15,950**	**2,917**	**5,933**	**230.9**	**330.2**
Social and other services	**270.7**	(NA)	**5,732**	(NA)	**1,073**	**1,884**	**191.4**	**242.7**
Social services	(NA)	(NA)	(NA)	(NA)	866	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	339	616	87.5	123.1
Firms exempt from Federal income tax	(X)	**147.1**	(X)	**54,522**	(X)	**23,142**	(X)	**2,280.1**
Hotels, camps, membership lodging	(X)	**4.1**	(X)	**513**	(X)	**155**	(X)	**22.8**
Research, testing, consulting services	(X)	**1.0**	(X)	**2,612**	(X)	**1,251**	(X)	**53.6**
Selected amusement, rec., related services	(X)	**10.5**	(X)	**5,107**	(X)	**2,105**	(X)	**213.8**
Selected health services [3]	**8.7**	**10.0**	**4,764**	**10,438**	**2,516**	**5,196**	**333.0**	**476.2**
Nursing and personal care facilities	2.3	3.0	2,216	4,752	1,203	2,597	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	918	1,657	85.2	108.9
Legal aid societies, similar legal services	**1.1**	**1.3**	**259**	**421**	**153**	**252**	**12.4**	**14.5**
Selected educational services	**4.1**	**4.3**	**702**	**1,150**	**315**	**487**	**49.4**	**52.7**
Social services	**41.0**	**52.6**	**8,295**	**16,455**	**4,124**	**7,521**	**676.5**	**903.9**
Child day care services	10.6	12.7	829	1,494	495	869	102.4	135.3
Selected membership organizations [3]	**58.1**	**61.3**	**9,489**	**15,093**	**3,073**	**5,196**	**417.3**	**492.9**
Business associations	11.7	12.1	2,308	4,651	822	1,468	66.8	80.2
Civic, social, and fraternal associations	34.1	35.5	3,806	5,557	1,342	2,078	255.9	295.8
Noncommercial educational, scientific, and research organizations	**1.9**	**1.9**	**1,437**	**2,733**	**595**	**977**	**47.8**	**49.9**

NA Not available. X Not applicable. [1] Data for number of establishments and receipts of firms subject to Federal income tax include establishments without payroll. Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax. [2] For pay period including March 12. [3] Includes other kinds of businesses, not shown separately. [4] N.e.c. means not elsewhere classified. [5] Data revised since originally published; revisions not carried to the broader kind-of-business level.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977*, Geographic Area Series, vol. II; *1982 Census of Service Industries*, Geographic Area Series, series SC82–A–52 and change sheet.

Digitized by Google

No. 1320. Services—Establishments, Employees and Payroll: 1980 to 1985

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

SIC [1] code	Kind of business	Establishments (1,000)			Employees (1,000)			Payroll, 1985 (bil. dol.)
		1980	1984	1985	1980	1984	1985	
(I)	**Services, total** [2]	**1,278.2**	**1,664.9**	**1,711.8**	**17,195**	**20,349**	**21,543**	**346.2**
70	Hotels and other lodging places [2]	41.4	48.1	48.0	1,086	1,200	1,264	12.7
701	Hotels, motels, and tourist courts	32.1	37.3	37.0	1,034	1,152	1,210	12.2
72	Personal services [2]	152.3	175.9	175.2	953	1,029	1,069	10.1
721	Laundry, cleaning, and garment services [2]	40.2	45.5	44.9	359	363	372	3.9
7215	Coin-operated laundries and cleaning	9.7	10.6	10.4	36	36	37	.3
7216	Dry cleaning plants, except rug	17.4	18.6	17.2	132	139	139	1.3
723	Beauty shops	65.7	73.8	72.1	285	311	318	2.8
726	Funeral service and crematories	14.0	14.9	14.6	71	76	75	1.2
73	Business services [2]	161.4	241.6	258.4	2,996	3,834	4,272	72.3
731	Advertising	10.6	14.0	15.6	140	168	185	5.2
7311	Advertising agencies	7.4	9.9	9.8	100	120	127	3.9
733	Mailing, reproduction, stenographic	14.6	20.4	20.3	136	174	190	3.4
7333	Commercial photography and art	7.0	10.2	10.2	53	61	64	1.4
734	Services to buildings	23.4	33.9	33.7	497	575	607	5.2
736	Personnel supply services	13.7	16.9	17.9	569	724	865	9.4
737	Computer and data processing services [2]	13.6	24.7	26.1	303	462	515	13.9
7372	Computer programming and software	4.4	10.7	10.9	83	168	193	6.3
7374	Data processing services	6.2	7.5	7.6	187	234	253	5.6
739	Miscellaneous business services [2]	75.5	117.3	120.4	1,270	1,629	1,766	32.6
7392	Management and public relations	27.2	43.9	43.9	325	465	512	11.7
7393	Detective and protective services	6.8	10.1	10.1	338	384	411	4.1
7394	Equipment rental and leasing	12.1	20.5	23.0	115	197	216	4.7
75	Auto repair, services, and garages [2]	99.5	126.1	127.6	560	626	676	9.9
751	Automotive rentals, without drivers	8.7	9.6	9.7	101	107	120	2.1
753	Automotive repair shops	75.1	97.1	98.4	359	404	420	6.5
754	Automotive services, except repair	7.9	10.8	11.1	62	74	83	.8
76	Miscellaneous repair services	48.0	56.1	58.7	319	310	327	5.8
7622	Radio and television repair	7.2	6.8	6.3	37	33	31	.5
78	Motion pictures	14.9	17.5	18.2	208	202	229	4.4
783	Motion picture theaters	9.5	9.1	8.6	109	95	96	.6
79	Amusement and recreation services	45.5	60.1	60.2	706	740	768	9.6
7997	Membership sports and recreation clubs	9.5	13.8	13.2	172	209	215	2.4
80	Health services [2]	310.8	384.3	390.2	5,258	6,202	6,337	116.3
801	Offices of physicians	147.2	180.1	180.1	742	897	924	32.1
802	Offices of dentists	85.7	98.3	98.4	351	430	445	7.4
8041	Offices of chiropractors	8.9	14.5	15.3	22	39	42	.8
8042	Offices of optometrists	12.5	14.8	14.6	38	47	50	.7
805	Nursing and personal care facilities	12.8	15.5	16.0	1,002	1,151	1,206	11.5
806	Hospitals	5.3	5.7	5.8	2,673	2,993	2,944	52.2
807	Medical and dental laboratories	10.8	13.1	13.2	98	109	112	2.1
808	Outpatient care facilities	8.6	11.7	12.5	165	223	251	4.8
81	Legal services	97.3	124.8	125.7	503	645	685	19.2
82	Educational services	23.3	29.3	30.1	1,246	1,476	1,517	19.7
822	Colleges and universities	2.4	2.8	2.8	820	968	985	13.4
83	Social services	60.6	87.1	88.1	1,024	1,198	1,291	12.0
836	Residential care	9.9	14.5	14.9	214	259	280	2.8
86	Membership organizations [2]	130.7	177.9	176.0	1,214	1,507	1,552	15.2
861	Business associations	11.7	11.9	11.7	79	84	87	1.8
863	Labor organizations	20.8	21.6	20.8	172	167	170	2.1
864	Civic and social associations	30.5	36.3	35.6	279	302	311	2.6
866	Religious organizations	56.0	92.9	93.0	573	824	851	6.4
891	Engineering and architectural services	37.5	49.5	53.2	524	603	667	19.7
893	Accounting, auditing and bookkeeping	40.6	56.7	58.1	302	371	400	8.3

[1] Standard Industrial Classification; see text, section 13. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

Digitized by Google

No. 1321. Service Industries—Annual Receipts of Taxable Firms: 1980 to 1986

[In millions of dollars. Estimated]

SIC [1] code	KIND OF BUSINESS	1980	1982	1983	1984	1985	1986
70	Hotels, rooming houses, camps, and other lodging places	(NA)	(NA)	(NA)	(NA)	44,414	45,952
701	Hotels, motels, and tourist courts	26,952	32,749	35,870	38,859	41,742	43,317
72	Personal services [2]	25,133	28,463	32,278	34,036	36,978	39,407
721	Laundry, cleaning, and garment services	9,213	9,913	10,621	11,895	12,641	13,062
723	Beauty shops	5,798	6,437	7,731	8,048	8,591	9,043
726	Funeral service and crematories	3,491	3,936	4,267	4,726	5,278	5,515
73	Business services [3]	(NA)	(NA)	(NA)	(NA)	181,988	196,743
731	Advertising	(NA)	(NA)	11,979	13,645	16,334	17,343
7311	Advertising agencies	(NA)	(NA)	9,179	10,358	12,432	13,158
733	Mailing, reproduction, commercial art and photography, and stenographic services	(NA)	(NA)	(NA)	(NA)	10,740	11,697
7333	Commercial photography, art, and graphics	(NA)	(NA)	(NA)	(NA)	4,551	4,699
734	Services to dwellings and other buildings	(NA)	(NA)	9,970	11,100	12,545	13,828
7349	Cleaning and maintenance services to dwellings, and other buildings, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	10,036	11,242
736	Personnel supply services [3]	(NA)	(NA)	10,662	14,066	16,006	18,019
7361	Employment agencies	(NA)	(NA)	(NA)	(NA)	4,440	4,818
7362	Temporary help supply services	(NA)	(NA)	(NA)	(NA)	9,199	10,447
737	Computer and data processing services	(NA)	(NA)	24,673	28,613	32,093	35,796
7372	Computer programming and other software services	(NA)	(NA)	9,448	11,411	12,590	14,380
7374	Data processing services	(NA)	(NA)	11,034	12,409	13,321	14,425
7379	Computer related services, n.e.c. [3]	(NA)	(NA)	4,191	4,793	6,182	6,982
7391	Research and development laboratories [4]	(NA)	(NA)	(NA)	(NA)	7,696	8,866
7392	Management, consulting, and public relations services [4]	(NA)	(NA)	(NA)	(NA)	33,515	36,785
7393	Detective agencies and protective services	(NA)	(NA)	6,140	6,932	7,985	8,894
7394	Equipment rental and leasing services	(NA)	(NA)	(NA)	(NA)	16,451	17,071
75	Automotive repair, services, and garages [3]	30,547	33,784	37,304	43,815	51,543	53,563
751	Automotive rental and leasing [5]	8,759	9,751	10,754	12,569	14,510	15,386
7512	Passenger car rental and leasing	4,691	5,290	6,124	7,365	8,743	9,319
7513	Truck rental and leasing	3,988	4,383	4,492	4,955	5,329	5,571
753	Automotive repair shops	18,077	20,415	22,697	25,877	30,883	32,024
76	Miscellaneous repair services	15,424	16,032	15,978	17,230	19,889	20,918
78	Motion pictures	12,509	13,964	14,630	15,797	17,002	18,205
781,2	Motion picture production, distribution, and allied services	(NA)	(NA)	(NA)	(NA)	12,697	13,566
79	Amusement and recreation services, except motion pictures [3]	(NA)	(NA)	(NA)	(NA)	25,418	27,177
792	Theatrical producers, bands, orchestras, and entertainers [4]	(NA)	(NA)	(NA)	(NA)	4,947	5,910
794	Commercial sports	(NA)	(NA)	(NA)	(NA)	4,963	5,029
80	Health services [3] [5]	(NA)	(NA)	(NA)	(NA)	151,225	167,473
801	Offices of physicians	38,754	50,663	56,985	62,599	68,499	75,136
802	Offices of dentists	12,639	16,071	17,255	18,629	20,187	21,420
804	Offices of other health practitioners	(NA)	(NA)	(NA)	(NA)	7,551	8,315
805	Nursing and personal care facilities [4]	(NA)	(NA)	(NA)	(NA)	17,632	19,225
806	Hospitals [4]	(NA)	(NA)	(NA)	(NA)	18,796	21,597
808	Outpatient care facilities [4]	(NA)	(NA)	(NA)	(NA)	8,967	11,104
81	Legal services [4] [3]	(NA)	(NA)	(NA)	(NA)	51,677	57,143
891	Engineering, architectural, and surveying services	(NA)	(NA)	36,240	39,067	43,617	45,397
893	Accounting, auditing, and bookkeeping services	(NA)	(NA)	17,113	18,984	22,308	24,062
4722	Arrangement of passenger transportation	(NA)	(NA)	4,784	5,765	6,985	7,359
653	Real estate agents and managers [5]	(NA)	(NA)	21,773	25,408	31,257	34,859

NA Not available. [1] Standard Industrial Classification, see text, section 13. [2] Includes other kinds of businesses, not shown separately. [3] N.e.c. means not elsewhere classified. [4] For data on tax-exempt organizations, see table 1322. [5] Excludes nonemployers.

No. 1322. Selected Service Industries—Annual Revenues of Tax-Exempt Firms: 1985 and 1986

[In millions of dollars. Estimated]

SIC [1] code	KIND OF BUSINESS	1985	1986	SIC [1] code	KIND OF BUSINESS	1985	1986
7391,2,7 792,7997,	Selected business services [2]	4,657	5,174	81	Legal services	374	440
7999	Selected amusement services [3]	5,583	5,943	833	Job training and vocational rehabilitation services	3,399	3,639
805,6,8,9	Selected health services [4]	141,580	154,570	835	Child day care services	2,971	3,219
805	Nursing and personal care facilities	6,606	7,181	836	Residential care	5,737	6,301
806	Hospitals	125,218	136,509	892	Noncommercial educational, scientific, and research organizations	4,440	4,873
808	Outpatient care facilities	8,645	7,372				

[1] Standard Industrial Classification, see text, section 13. [2] Covers research and development laboratories (SIC 7391); management, consulting, and public relations services (SIC 7392); and commercial testing laboratories (SIC 7397). [3] Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). [4] Includes health and allied services, not elsewhere classified (SIC 809).

Source of tables 1321 and 1322: U.S. Bureau of the Census, *Current Business Reports*, series BS, *1986 Service Annual Survey*

Digitized by Google

No. 1323. Hotel and Motor Hotel Operations—Occupancy Ratio, Sales Indexes, and Room Rate Index: 1970 to 1986

[Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operations were excluded. See table 1324]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Occupancy ratio (percent)	55	62	66	68	72	71	68	67	65	65	66	64	65
Sales indexes (1967 = 100):													
Total sales	107	132	147	163	186	210	234	251	256	267	289	294	308
Room sales	112	145	164	185	218	249	283	305	313	329	361	370	390
Restaurant sales	100	119	129	139	156	167	180	191	193	198	209	209	214
Room rate index (1967 = 100)	125	165	178	194	220	255	295	326	348	361	387	404	419

Source: Laventhol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

No. 1324. The Lodging Industry, by Type of Establishment—Summary: 1985 and 1986

[An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually $10.00 to $20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An All-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "extras" such as a wet bar or microwave, and in some cases a full kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an ambiance of isolation/destination while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 900 full-service, 300 economy, 60 all suite, and 180 resort establishments in 1986. All figures except percents are medians. For definition of median, see Guide to Tabular Presentation]

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1985	1986	1985	1986	1985	1986	1985	1986
Room occupancy rate	65.5	64.9	66.7	66.3	69.3	70.3	66.1	66.8
Average room rate (dol.)	53.81	56.29	29.09	29.04	72.44	63.33	67.82	66.14
Sales per available room (dol.)	20,118	21,739	7,096	7,719	22,045	17,891	26,959	25,460
Payroll and related expenses per available room (dol.)	6,433	6,790	1,487	1,598	6,376	6,713	11,881	9,244
Ratio of net income before income tax to sales	−.8	−3.6	5.7	20.8	(NA)	(NA)	−3.9	.1
Employees [1] per 100 available rooms	53.2	41.7	(NA)	(NA)	38.9	41.8	87.4	61.5
Sales per employee [1] (dol.)	35,757	48,582	(NA)	(NA)	43,134	48,513	29,759	44,106
Composition of market—(percent)								
Business travelers/government officials	44.1	39.2	53.3	58.9	57.8	59.9	8.0	8.9
Tourists	29.8	34.6	39.3	31.5	26.7	22.8	67.8	66.7
Conference participants	18.5	15.2	2.8	4.9	12.8	11.2	24.1	21.9
Percent advanced reservations	68.3	68.8	40.1	44.2	80.8	81.9	62.6	62.2

NA Not available. [1] Full-time equivalent employees.

Source: Laventhol & Horwath, Philadelphia, PA, *U.S. Lodging Industry*, annual; *U.S. All-Suite Lodging Industry*, annual; *U.S. Economy/Limited-Service Lodging Industry*, annual; and *U.S. Resort Lodging Industry*, annual.

No. 1325. Computer and Data Processing—Receipts by Source: 1977 and 1982

[In millions of dollars. For establishments with payroll]

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMMING [1]		DATA PROCESSING				COMPUTER RELATED SERVICES (n.e.c.) [2]	
					Total		Excluding facilities management [3]			
	1977	1982	1977	1982	1977	1982	1977	1982	1977	1982
Total	7,476	21,810	1,992	8,186	4,474	10,099	4,058	9,406	1,010	3,526
Programming, systems analysis and design: [4]										
Prepackaged	1,984	1,608	1,771	1,515	192	78	185	70	(NA)	14
Custom		4,582		4,175		377		352		31
Research and development [4]	35	69	24	53	10	12	10	11	(NA)	4
Data processing and preparation	3,736	8,631	72	249	3,652	8,371	3,642	8,357	(NA)	11
Facilities management	445	698	25	34	416	657	18	43	(NA)	6
Rental or leasing [5] of data processing equipment	452	1,063	13	131	21	90	21	85	(NA)	842
Rental, sales, licensing of integrated systems	568	1,708	30	1,501	55	185	54	181	(NA)	22
Consulting and planning [6]		713		167		111		98		436
Maintenance of equipment		2,155		156		20		18		1,979
Other sources	255	583	57	205	128	196	127	190	(NA)	181

NA Not available. [1] And related software. [2] Operation of customers' in-hour e operation. [3] Not elsewhere classified. [4] Of hardware. [5] Except finance leasing. [6] Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-S-9, and *1982 Census of Service Industries*, Miscellaneous Subjects, SC 82-I-5.

Digitized by Google

No. 1326. Service Industries—Summary of Establishments with Payroll, by State: 1982

Division and state	Firms subject to federal income tax										Tax-exempt firms	
	Establishments				Receipts (mil. dol.)				Annual payroll (mil. dol.)	Paid employees [2] (1,000)	Establishments	Revenue (mil. dol.)
	Total [1] (1,000)	Business services	Personal services	Automotive repair [3]	Total [1]	Business services	Personal services	Automotive repair [3]				
U.S	1,261.7	215,125	167,749	115,481	426,982	106,866	22,990	30,895	156,825	11,106.1	147,061	61,488
N.E.:												
ME	5.9	614	861	537	1,204	141	71	120	420	37.9	1,133	266
NH	5.5	953	695	498	1,246	234	86	116	457	38.2	990	210
VT	3.2	376	391	261	662	73	38	43	224	23.2	772	144
MA	33.9	6,092	4,861	3,104	13,317	4,071	618	862	5,363	353.3	5,022	2,584
RI	5.4	851	857	544	1,351	310	85	119	514	41.3	811	324
CT	19.6	4,065	2,872	1,577	6,408	1,959	379	437	2,392	170.9	2,495	927
M.A.:												
NY	102.9	21,477	13,073	8,214	43,804	14,745	1,948	2,210	15,777	982.6	11,693	6,277
NJ	45.5	8,959	6,254	4,052	18,349	4,618	802	1,058	6,020	401.4	3,544	1,364
PA	55.0	8,255	8,152	5,996	19,083	4,581	1,038	1,390	7,045	485.9	9,424	3,287
E.N.C.:												
OH	52.1	7,922	8,066	5,039	15,515	3,680	1,096	1,331	6,091	450.8	7,129	2,557
IN	24.4	3,493	3,768	2,577	6,252	1,170	499	622	2,313	187.6	3,622	1,036
IL	57.6	11,453	7,746	5,030	21,396	6,130	1,206	1,501	8,170	547.7	6,934	3,994
MI	43.7	6,390	5,802	3,887	13,448	3,155	839	1,070	5,312	362.8	5,076	1,886
WI	22.6	3,271	3,845	1,925	5,956	1,077	433	472	2,450	190.3	3,222	1,085
W.N.C.:												
MN	20.0	3,578	2,895	1,706	6,472	1,502	426	462	2,535	198.0	3,575	1,747
IA	14.6	1,671	2,544	1,526	3,364	640	250	299	1,209	105.7	2,885	727
MO	25.8	3,974	4,015	2,659	8,160	2,124	505	730	3,078	225.3	3,072	1,217
ND	3.1	382	599	292	811	106	64	75	310	23.4	719	180
SD	3.5	394	540	357	874	75	53	81	234	21.4	746	154
NE	8.5	1,174	1,439	944	2,229	496	156	210	803	66.3	1,403	409
KS	12.7	1,798	1,933	1,312	3,064	592	235	267	1,140	92.1	2,171	493
S.A.:												
DE	3.2	569	474	299	850	171	50	90	330	27.4	485	153
MD	22.6	4,255	2,989	1,796	8,583	3,107	447	538	3,404	226.1	2,580	1,411
DC	6.3	1,571	505	403	4,218	1,156	99	123	1,597	88.4	2,008	3,193
VA	27.6	5,023	4,172	2,496	9,177	2,882	553	616	3,675	255.3	3,145	1,552
WV	7.4	723	1,327	630	1,759	201	148	109	633	50.2	1,241	264
NC	27.1	3,739	4,316	2,746	6,268	1,205	538	586	2,371	198.4	3,076	830
SC	13.9	1,817	2,080	1,357	3,301	490	243	276	1,255	105.1	1,383	291
GA	26.2	4,836	3,894	2,825	8,795	2,332	495	766	3,231	242.8	2,859	842
FL	68.7	12,025	8,753	5,757	21,542	4,539	1,095	1,736	8,082	600.7	5,466	1,957
E.S.C.:												
KY	14.7	1,681	2,410	1,355	3,678	579	300	288	1,336	111.9	1,882	527
TN	21.4	3,063	3,311	2,099	6,344	1,504	446	509	2,346	177.3	2,483	719
AL	15.9	2,127	2,694	1,691	4,339	777	291	406	1,606	125.6	1,681	422
MS	9.7	1,062	1,460	984	2,172	333	151	187	782	68.2	1,309	296
W.S.C.:												
AR	10.1	1,189	1,536	1,083	2,177	278	181	221	805	68.6	1,339	298
LA	22.1	3,853	2,344	2,035	7,666	2,075	361	467	2,685	202.3	1,726	495
OK	16.7	2,718	1,960	1,483	5,097	1,182	305	367	1,794	132.9	1,785	509
TX	85.7	16,195	10,946	6,481	32,038	8,159	1,754	2,481	11,442	783.0	7,167	2,594
Mt.:												
MT	5.0	584	604	483	1,006	112	58	95	345	31.8	977	163
ID	5.1	591	662	484	1,068	166	70	97	396	33.5	626	303
WY	3.5	462	369	302	894	178	39	89	290	22.9	538	94
CO	21.7	4,077	2,415	1,944	7,325	1,660	349	548	2,586	191.1	2,239	920
NM	7.4	1,058	988	721	2,408	943	102	157	883	61.2	954	255
AZ	17.3	3,175	2,132	1,507	5,070	1,113	292	395	1,881	147.8	1,591	538
UT	7.9	1,290	743	744	2,173	416	104	224	770	59.8	647	191
NV	6.2	1,052	671	492	6,060	520	149	162	2,112	152.3	453	93
Pac.:												
WA	25.4	3,914	3,321	2,148	7,359	1,673	405	547	2,794	198.1	3,349	1,108
OR	16.3	2,398	1,857	1,375	3,899	686	223	328	1,430	112.3	2,053	551
CA	170.4	31,469	16,868	14,991	67,083	16,387	2,761	4,536	24,569	1,530.9	14,561	7,453
AK	2.6	523	237	164	1,155	248	46	67	434	21.2	558	196
HI	6.1	1,024	663	567	2,660	314	101	249	904	71.1	880	439

[1] Includes other establishments and receipts, not shown separately. [2] For the pay period including March 12. [3] Includes services and garages.

Source: U.S. Bureau of the Census, *1982 Census of Service Industries*, Geographic Area Series, SC82-A-1 to 52.

Digitized by Google



Section 29

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business*. Figures for earlier periods are presented in *Balance of Payments—Statistical Supplement*, 1963 revised edition, in the periodic *Foreign Grants and Credits by the United States Government*, and in the June issues of the *Survey of Current Business*. Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations;* and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States*.

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in Report FT 135, *U.S. General Imports, Schedule A: Commodity by Country;* Report FT 410, *U.S. Exports, Schedule E: Commodity by Country;* and Report FT 990, *Highlights of U.S. Export and Import Trade*. The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business*, respectively. The merchandise trade data in the latter source include balance of payments adjustments to the Census data. The Treasury Department's *Monthly Treasury Statement of Receipts and Outlays of the United States Government* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1327-1329) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1330) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are changes in the valuation of assets or liabilities, including changes in prices of securities, defaults, expropriations, and write-offs.

Direct investment abroad means the ownership or control, directly or indirectly, by one person of 10 percent or more of the voting securities of an incorporated business enterprise or an equivalent interest in an unincorporated business enterprise. Direct investment position is the value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates, less foreign affiliates' receivables due from their U.S. parents. Income consists of parents' shares in the earnings of their affiliates plus net interest received by parents on intercompany accounts, less withholding taxes on dividends and interest.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). *Grants* are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other countries to achieve a common objective. *Credits* are loan disburse-

Digitized by Google

ments or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on credits extended under the farm products program), *less* the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

Figures as published in the *Foreign Grants and Credits* series are not identical with figures shown for Government unilateral transfers and capital in the balance of payments, mainly because of differences in treatment of particular items by the two sets of accounts. Such items include contributions to the multilateral construction program of the North Atlantic Treaty Organization, Government investments in certain productive enterprises abroad, Government receipts on funded claims, and net changes in foreign currency holdings resulting from transactions other than those under the farm products program, such as collections of principal and interest and purchases for dollars.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 for certain countries in Southeast Asia and in other legislation concerning programs for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain low-valued shipments, the export statistics since July 1953 include estimates based upon selected samples of such shipments with lower and upper value limits of the sampled shipments varying (Canada excepted) from $100-$499 for July 1953-September 1969, $251-$499 for October 1969-February 1979, and $501-$999, for March 1979-June 1981. For July 1981-December 1984, the statistics for countries other than Canada reflect fully compiled data for shipments valued over $500. For Canada, the upper value limit was $1,999 during the period January 1963- December 1984, and lower value limits were raised to $251 and $501 in October 1969 and March 1979, respectively. Beginning 1985, data for low-valued exports to all countries are estimated using factors based on the ratios of low-valued shipments to individual country totals. From January, 1985 through December 1986, data are estimated for all shipments valued under $1,001. Effective January 1987, data are estimated for shipments valued under $1,501. Shipments valued under $1,501 represent slightly less than 2.5 percent of the total value of exports.

Beginning January 1978, the Export Classification Schedule was based upon Schedule E, Standard International Trade Classification, Revision 2. This revision affects the comparability of some export statistics.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974-1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f.

Digitized by Google

(cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982, import data are based on customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General imports" or "Imports for consumption." General imports are a combination of entries for immediate consumption, entries into customs bonded warehouses, and entries into U.S. Foreign Trade Zones, thus generally reflecting total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption, withdrawals from warehouses for consumption, and entries of merchandise into U.S. customs territory from U.S. Foreign Trade Zones, thus generally reflecting the total of the commodities entered into U.S. consumption channels.

Since July 1953, the import statistics include estimates, not classified by commodity, for certain low-valued shipments. For July 1953-July 1965, entries valued under $100, in general, were estimated, while entries valued under $251 have been estimated for the period July 1965-December 1984. Since January 1985, import statistics include estimates for shipments valued under $1,001. The estimated low-valued shipments generally amount to about 4 percent of the import total.

Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States Customs area (includes the 50 States, the District of Columbia and Puerto Rico), the U.S. Virgin Islands (effective January 1981), and U.S. Foreign Trade Zones (effective July 1982). Data for selected tables and total values for 1980, have been revised to reflect the U.S. Virgin Islands' trade with foreign countries, where possible.

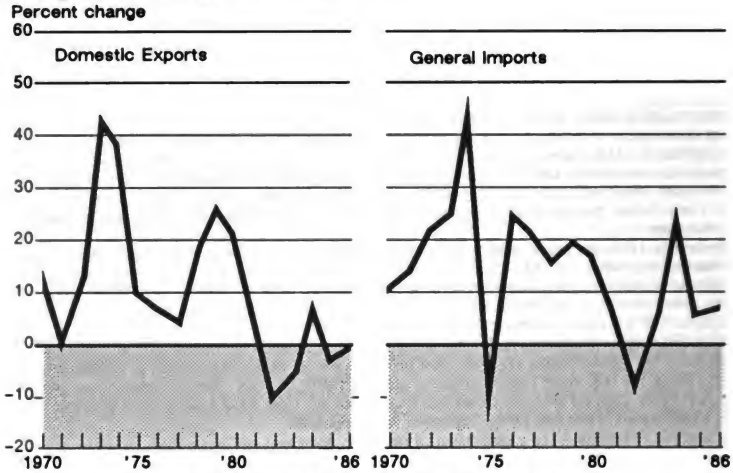
Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross- references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix V.

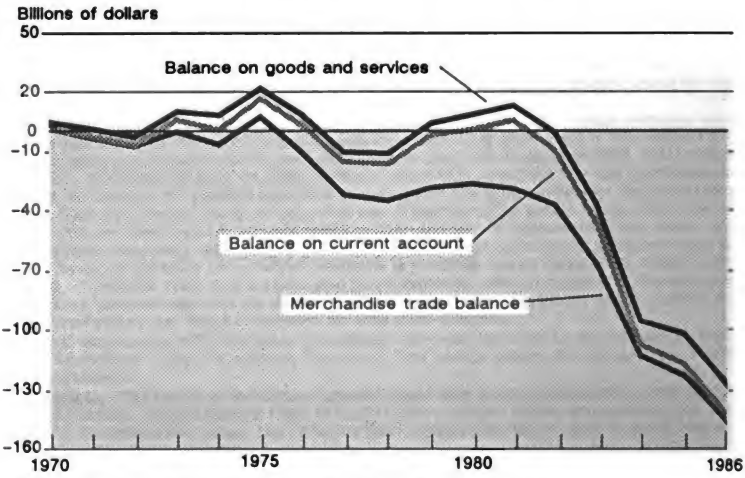
Digitized by Google

Figure 29.1
U.S Exports and Imports–Annual Percent Change: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1342.

Figure 29.2
U.S. International Transaction Balances: 1970 to 1986



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1327.

Digitized by Google

No. 1327. U.S. International Transactions—Summary: 1960 to 1987

[In billions of dollars. Reserve assets are for end of period. Minus sign (–) indicates debits; see headnote, table 1329]

YEAR	Merchandise trade balance [1]	Net investment income	Net military transactions	Net travel and transportation receipts	Other services, net	Balance on goods and services	Unilateral transfers [1]	Balance on current account	Net foreign assets in U.S.	Net U.S. assets abroad	Net U.S. official reserve assets
1960	4.9	3.4	–2.8	–1.0	.6	5.2	–2.4	2.8	2.3	–4.1	19.4
1965	5.0	5.3	–2.1	–1.3	1.5	6.4	–2.9	5.4	.7	–5.7	15.5
1966	3.8	5.0	–2.9	–1.3	1.5	6.1	–3.1	3.0	3.7	–7.3	14.9
1967	3.8	5.3	–3.2	–1.8	1.7	5.8	–3.3	2.6	7.4	–9.8	14.8
1968	.8	6.0	–3.1	–1.5	1.8	3.7	–3.1	.6	9.9	–11.0	15.7
1969	.6	6.0	–3.3	–1.8	2.0	3.5	–3.1	.4	12.7	–11.6	17.0
1970	2.6	6.2	–3.4	–2.0	2.3	5.8	–3.4	2.3	6.4	–9.3	14.5
1971	–2.3	7.3	–2.9	–2.3	2.6	2.4	–3.9	–1.4	23.0	–12.5	12.2
1972	–6.4	8.2	–3.4	–3.1	3.0	–1.7	–4.1	–5.8	21.5	–14.5	13.2
1973	.9	12.2	–2.1	–3.2	3.4	11.2	–4.1	7.1	18.4	–22.9	14.4
1974	–5.5	15.5	–1.7	–3.2	4.2	9.4	–7.4	2.0	34.2	–34.7	15.9
1975	8.9	12.8	–.7	–2.8	4.9	23.0	–4.9	18.1	15.7	–39.7	16.2
1976	–9.5	16.0	.6	–2.8	5.0	9.5	–5.3	4.2	36.5	–51.3	18.7
1977	–31.1	18.0	1.5	–3.6	5.7	–9.5	–5.0	–14.5	51.3	–34.8	19.3
1978	–33.9	20.6	.6	–3.6	8.5	–9.9	–5.6	–15.4	64.0	–61.1	18.7
1979	–27.5	31.2	–1.6	–2.9	6.2	5.1	–6.1	–1.0	38.8	–64.3	19.0
1980	–25.5	30.4	–2.2	–1.0	7.8	9.5	–7.6	1.9	58.1	–86.1	26.8
1981	–28.0	34.1	–1.2	.1	9.3	14.3	–7.5	6.9	83.0	–111.0	30.1
1982	–36.4	28.7	.3	–1.0	9.3	.3	–9.0	–8.7	93.7	–121.2	34.0
1983	–67.1	24.9	.2	–4.2	9.9	–36.8	–9.5	–46.2	84.9	–49.8	33.7
1984	–112.5	18.5	–1.9	–8.6	9.7	–94.8	–12.2	–107.0	102.5	–22.3	34.9
1985	–122.1	25.4	–3.3	–10.9	9.9	–101.1	–15.3	–116.4	129.9	–31.4	43.2
1986	–144.3	20.8	–3.7	–9.9	11.4	–125.7	–15.7	–141.4	213.4	–96.0	48.5
1987, 1st quarter	–38.8	5.5	-	–3.2	2.8	–33.7	–3.1	–36.8	26.8	15.5	48.8
2d quarter	–39.5	1.8	.1	–3.1	2.7	–38.2	–2.9	–41.1	45.1	–21.5	45.1

– Represents or rounds to zero. [1] Excludes military grants.

Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual. Data from U.S. Bureau of Economic Analysis and U.S. Dept. of the Treasury.

No. 1328. U.S. Balances on International Transactions, by Area and Selected Country: 1984 to 1986

[In millions of dollars. Minus sign (–) indicates debits]

AREA OR COUNTRY	1984, BALANCE ON—			1985, BALANCE ON—			1986, BALANCE ON—		
	Merchandise trade [1]	Goods and services	Current account	Merchandise trade [1]	Goods and services	Current account	Merchandise trade [1]	Goods and services	Current account
All areas	**–112,522**	**–94,835**	**–107,013**	**–122,148**	**–101,093**	**–116,393**	**–144,339**	**–125,894**	**–141,352**
Western Europe	–15,187	–29,843	–30,485	–21,439	–27,419	–28,105	–28,410	–34,922	–35,500
European Economic Community [2]	–11,394	–23,762	–23,703	–17,400	–22,238	–22,085	–22,111	–27,081	–27,065
United Kingdom	–2,217	–4,502	–4,285	–3,388	–5,650	–5,435	–3,990	–13,046	–12,763
Belgium-Luxembourg	2,105	2,736	2,715	1,506	3,120	3,097	1,509	3,849	3,823
France	–1,902	–1,853	–1,921	–2,810	–1,720	–1,790	–2,392	–690	–762
West Germany	–8,651	–16,985	–18,843	–10,596	–18,378	–15,963	–14,268	–18,288	–17,766
Italy	–3,746	–3,807	–4,023	–4,798	–4,425	–4,638	–5,591	–3,266	–3,489
Netherlands	3,360	638	620	3,130	2,804	2,785	3,555	4,353	4,334
Other Western Europe	–3,793	–6,082	–6,782	–4,039	–5,181	–6,020	–6,299	–7,841	–8,436
Eastern Europe	2,073	2,323	2,144	1,411	1,621	1,418	45	519	359
Canada	–14,593	–3,663	–3,842	–15,004	–5,424	–5,666	–13,331	–2,371	–2,634
Latin America, other Western Hemisphere	–18,598	–10,481	–12,895	–15,321	–7,280	–10,205	–10,549	–3,733	–8,446
Mexico	–6,056	–3,857	–4,277	–5,718	–4,078	–4,586	–4,801	–3,194	–3,703
Venezuela	–3,274	–2,523	–2,539	–3,458	–2,482	–2,501	–1,705	–1,132	–1,151
Australia	2,104	3,615	3,569	2,363	3,527	3,487	2,494	3,724	3,683
South Africa [3]	191	362	339	–861	–489	–513	–1,225	–737	–765
Japan [4]	–36,969	–37,726	–37,792	–43,508	–45,217	–45,285	–54,403	–56,219	–56,282
Other Asia and Africa	–31,498	–21,786	–29,173	–29,845	–22,095	–31,946	–38,862	–32,806	–43,640
Int'l and unallocated	33	2,412	1,179	192	1,781	532	-	932	–34

– Represents zero. [1] Adjusted to balance of payments basis; excludes exports under U.S. military sales contracts and imports under direct defense expenditures. [2] Includes Denmark, Greece, Ireland, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank, not shown separately. Beginning in 1986, also includes Spain and Portugal, not shown separately. [3] Includes New Zealand. [4] Includes Ryukyu Islands.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987.

Digitized by Google

No. 1329. U.S. International Transactions by Type of Transaction: 1970 to 1986

[In millions of dollars. Minus sign (–) indicates debits. See also *Historical Statistics, Colonial Times to 1970*, series U 1-25]

TYPE OF TRANSACTION	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Exports of goods and services [1]	**65,674**	**155,729**	**184,276**	**219,994**	**286,796**	**342,485**	**376,499**	**349,570**	**334,422**	**360,778**	**359,458**	**372,807**
Merchandise, excl. military [2] [3]	42,469	107,088	120,816	142,054	184,473	224,269	237,085	211,198	201,820	219,900	215,935	224,361
Foods, feeds, and beverages	5,874	19,234	19,724	25,155	30,005	35,721	36,163	31,620	31,598	31,625	23,989	22,580
Industrial supplies and materials	13,795	29,789	34,312	39,044	56,139	71,947	69,949	63,620	58,446	63,362	60,430	64,021
Capital goods, except automotive	14,659	36,639	39,766	46,471	58,843	74,210	81,813	73,675	66,887	74,115	76,411	79,824
Automotive vehicles and parts [4]	3,870	10,794	13,536	15,742	18,402	17,540	19,791	17,393	18,657	22,508	25,026	25,431
Consumer goods (nonfood) [5]	2,798	6,560	8,931	10,466	12,845	16,633	16,386	14,723	14,039	13,751	12,979	14,490
Transfers under U.S. military agency sales contracts	1,501	4,049	7,351	7,973	6,518	8,274	10,041	11,986	12,344	9,954	8,670	6,903
Travel and transportation	6,000	11,576	14,606	16,922	20,568	24,797	26,584	27,884	27,035	28,190	28,781	31,665
Miscellaneous services	3,957	7,666	9,325	10,801	11,107	12,641	14,376	14,952	15,972	16,824	17,773	19,670
Income on U.S. assets abroad	11,747	25,351	32,179	42,245	64,132	72,506	86,411	83,549	77,251	85,910	86,299	88,209
Direct investment	6,169	16,595	19,673	25,458	38,183	37,146	32,549	21,381	20,499	21,217	32,665	36,697
Other private receipts	2,671	7,844	10,881	14,944	23,654	32,796	50,182	58,050	51,920	59,464	50,131	45,191
U.S. Government receipts	907	1,112	1,625	1,843	2,295	2,562	3,680	4,118	4,832	5,229	5,503	6,321
Transfer of goods and services under U.S. military grants, net	**2,713**	**2,207**	**203**	**236**	**465**	**756**	**679**	**585**	**160**	**153**	**46**	**101**
Imports of goods and services	**–59,901**	**–132,745**	**–183,764**	**–229,869**	**–261,659**	**–333,020**	**–362,155**	**–349,292**	**–371,188**	**–455,612**	**–460,550**	**–498,501**
Merchandise, excl. military [3] [6]	–39,866	–96,185	–151,907	–178,001	–212,009	–249,749	–265,063	–247,642	–268,900	–332,422	–368,083	–368,700
Foods, feeds, and beverages	–6,147	–9,642	–13,961	–15,397	–17,366	–16,127	–18,113	–17,108	–18,485	–21,303	–21,308	–23,987
Industrial supplies and materials	–15,343	–50,638	–79,933	–83,613	–108,976	–133,290	–135,222	–111,311	–109,706	–123,885	–112,958	–102,776
Capital goods, except automotive	–3,978	–10,166	–13,985	–19,705	–25,029	–31,181	–36,679	–36,338	–43,064	–61,061	–63,962	–75,446
Automotive vehicles and parts [4]	–5,515	–12,065	–19,359	–24,993	–26,433	–27,903	–30,895	–34,083	–43,501	–56,577	–65,022	–78,064
Consumer goods (nonfood) [5]	–7,407	–13,211	–21,796	–28,943	–30,566	–34,445	–38,864	–39,660	–46,969	–61,262	–65,148	–77,802
Direct defense expenditures	–4,855	–4,795	–5,823	–7,352	–8,294	–10,511	–11,224	–12,260	–12,587	–11,696	–12,009	–12,565
Travel and transportation	–8,036	–14,386	–18,171	–20,495	–23,503	–25,794	–26,440	–28,876	–31,262	–36,794	–39,647	–41,568
Miscellaneous services	–1,628	–2,813	–3,646	–4,342	–4,893	–4,848	–5,100	–5,632	–6,064	–7,083	–7,972	–6,302
Income on foreign assets in U.S.	–5,518	–12,564	–14,217	–21,680	–32,960	–42,120	–52,329	–54,883	–52,376	–67,419	–62,901	–67,365
Direct investment	–875	–2,234	–2,834	–4,211	–6,357	–8,635	–6,898	–3,155	–5,598	–9,229	–6,079	–5,846
Other private payments	–3,617	–5,786	–5,841	–8,795	–15,481	–20,893	–26,553	–33,443	–26,953	–36,421	–35,516	–38,912
U.S. Government payments	–1,024	–4,542	–5,542	–8,674	–11,122	–12,592	–16,878	–18,285	–17,825	–19,769	–21,306	–22,607
U.S. military grants of goods and services, net	**–2,713**	**–2,207**	**–203**	**–236**	**–465**	**–756**	**–679**	**–585**	**–160**	**–153**	**–46**	**–101**
Unilateral transfers (excl. military grants), net	**–3,443**	**–4,868**	**–5,023**	**–5,552**	**–6,128**	**–7,593**	**–7,460**	**–8,956**	**–9,460**	**–12,178**	**–15,301**	**–15,659**
U.S. Government grants	–1,736	–2,894	–2,787	–3,176	–3,550	–4,731	–4,466	–5,501	–6,286	–8,541	–11,222	–11,773
U.S. Govt. pensions, private remittances, other transfers	–1,707	–1,974	–2,237	–2,376	–2,578	–2,862	–2,994	–3,456	–3,192	–3,637	–4,079	–3,885

Digitized by Google

U.S. assets abroad, net (increase/capital outflow (−))	−8,337	−39,703	−34,705	−61,130	−84,331	−86,116	−110,951	−121,153	−49,777	−22,291	−31,399	−95,842
U.S. official reserve assets, net	2,481	−849	−375	732	−1,133	−8,155	−5,175	−4,965	−1,196	−3,131	−3,858	312
U.S. Govt. assets, other than official reserve assets, net	−1,589	−3,474	−3,693	−4,600	−3,746	−5,162	−5,097	−6,131	−5,006	−5,476	−2,831	−1,920
U.S. loans and other long-term assets	−3,293	−5,841	−6,445	−7,470	−7,697	−9,960	−9,674	−10,063	−8,967	−9,599	−7,660	−8,915
Repayments on U.S. loans	1,721	2,475	2,719	2,941	3,926	4,456	4,413	4,292	5,012	4,505	4,716	6,075
U.S. foreign currency holdings and U.S. short-term assets, net	−16	−9	33	−131	25	242	164	−360	−51	−382	113	920
U.S. private assets, net	−10,229	−35,380	−30,717	−57,202	−59,453	−72,802	−100,679	−110,058	−43,576	−13,665	−24,711	−94,374
Direct investments abroad	−7,590	−14,244	−11,890	−16,056	−25,222	−19,222	−9,624	−2,369	−373	−2,821	−17,267	−28,047
Foreign securities	−1,076	−6,247	−5,460	−3,626	−4,726	−3,563	−5,699	−7,983	−6,762	−4,756	−7,481	−3,302
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	−596	−13,257	−1,940	−3,853	−3,291	−3,174	−1,181	6,626	−8,513	5,019	1,361	−3,986
U.S. claims reported by U.S. banks, n.i.e.[1]	−967	−13,532	−11,427	−33,667	−26,213	−46,838	−84,175	−111,070	−29,928	−11,127	−1,323	−59,039
Foreign assets in the U.S., net (increase/capital inflow (+))	8,389	15,670	51,319	84,036	36,752	58,112	83,032	93,746	84,869	102,467	129,872	213,346
Foreign official assets in the U.S., net	6,908	7,027	36,616	30,678	13,665	15,497	4,960	3,583	5,845	2,967	11,140	34,698
Other foreign assets in the U.S., net	1,480	8,643	14,703	53,358	23,087	42,615	78,072	90,164	79,023	99,500	118,732	178,649
Direct investments in U.S.	1,481	2,853	3,728	7,889	1,871	12,915	25,105	13,792	11,946	25,359	19,022	25,069
U.S. Treasury securities	61	2,590	534	[2] 2,178	[3] 4,960	[3] 2,845	[3] 2,927	[3] 7,027	[3] 8,669	23,001	20,433	8,275
U.S. securities other than U.S. Treasury securities	2,189	2,503	2,437	2,254	1,351	5,457	6,905	6,085	8,164	12,566	50,662	70,602
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	2,014	319	1,086	1,869	1,821	6,852	917	−2,383	−118	4,704	−450	−2,791
U.S. liabilities reported by U.S. banks, n.i.e.[1]	−6,296	628	6,719	16,141	32,607	10,743	42,128	65,833	60,342	33,849	41,045	77,350
Allocations of special drawing rights	967	-	-	1,139	1,182	1,093	-	-	-	-	-	-
Statistical discrepancy (sum of above items with sign reversed)	219	5,817	−2,023	12,521	25,431	24,982	19,942	36,085	11,154	26,837	17,820	23,947
Balance on merchandise trade	2,603	8,903	−31,091	−33,947	−27,536	−25,480	−27,976	−36,444	−67,060	−112,522	−122,148	−144,339
Balance on goods and services	5,773	22,984	−9,486	−9,875	5,138	9,466	14,344	278	−36,766	−84,835	−101,093	−125,694
Balance on goods, services, and remittances	4,067	21,011	−11,724	−12,251	2,559	6,604	11,350	−3,177	−39,957	−88,472	−105,171	−129,579
Balance on current account	2,331	18,116	−14,511	−15,427	−991	1,873	6,884	−8,679	−46,246	−107,013	−116,393	−141,352

- Represents zero. [1] Excludes transfers of goods and services under U.S. military grant programs. [2] Excludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics for goods to conform to transactions data; includes other services, not shown separately. [3] Not included elsewhere. [4] Includes foreign currency notes sold to private residents abroad. [5] Includes engines. [6] Excludes automotive. [7] Includes sales of foreign obligations to foreigners.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987.

Digitized by Google

No. 1330. International Investment Position, 1960 to 1986, and by Selected Areas, 1986

[**In billions of dollars.** Estimates for end of year; subject to considerable error due to nature of basic data. Direct investments at book value; other types at market or face values. See *Historical Statistics, Colonial Times to 1970*, series U 26–39, for similar data]

TYPE OF INVESTMENT	1960	1965	1970	1975	1976	1977	1978	1979	1980
U.S. net international investment position	44.7	61.6	58.5	74.2	83.6	72.7	76.1	94.5	106.3
U.S. assets abroad	85.6	120.4	165.4	295.1	347.2	379.1	447.8	510.6	607.1
U.S. official reserve assets	19.4	15.5	14.5	16.2	18.7	19.3	18.6	19.0	26.8
U.S. Government assets, other	17.0	23.5	32.1	41.8	46.0	49.5	54.2	58.4	63.8
U.S. private assets	49.2	81.4	118.8	237.1	282.4	310.2	375.0	433.2	516.6
Foreign assets in U.S	40.9	58.8	106.9	220.9	263.6	306.4	371.7	416.1	500.8
Foreign official assets	[1] 12.4	[1] 16.8	26.1	86.9	104.4	140.9	173.1	159.9	176.1
Other foreign assets	28.5	42.0	80.8	134.0	159.1	165.5	198.7	256.3	324.8

TYPE OF INVESTMENT	1981	1982	1983	1984	1985	1986			
						Total [2]	Western Europe	Canada	Latin America [3]	Japan
U.S. net international investment position	141.1	137.0	89.6	3.6	−111.9	−263.6	−280.1	48.8	25.3	−64.7
U.S. assets abroad	719.8	824.9	873.9	896.1	949.4	1,067.9	363.9	132.2	283.1	91.8
U.S. official reserve assets	30.1	34.0	33.7	34.9	43.2	48.5	11.3	(Z)	.2	5.9
U.S. Government assets, other	68.7	74.6	79.5	84.9	87.7	89.4	10.0	.5	17.3	.4
U.S. loans and other long-term assets	67.2	72.9	77.8	82.9	85.8	88.6	9.8	.5	17.1	.3
U.S. foreign currency holdings and short-term assets	1.5	1.7	1.7	2.0	1.8	.6	.1	(Z)	.2	(Z)
U.S. private assets	621.1	716.4	760.7	776.3	818.5	929.9	342.7	131.6	265.7	85.6
Direct investments abroad	228.3	207.8	207.2	211.5	229.7	259.9	123.2	50.2	35.0	11.3
Foreign securities	63.4	75.5	83.8	89.1	112.8	131.1	66.4	50.8	2.9	4.7
U.S. claims on unaffiliated foreigners [4]	35.9	28.6	35.1	30.1	28.6	32.6	11.4	5.2	11.1	1.9
U.S. claims reported by U.S. banks [5]	293.5	404.6	434.5	445.6	447.4	506.4	141.7	25.5	216.7	67.7
Foreign assets in the U.S	578.7	688.0	784.3	892.5	1,061.3	1,331.5	644.0	83.4	257.9	156.5
Foreign official assets in the U.S	180.4	189.1	194.5	199.2	202.5	240.8	92.7	2.3	9.0	(*)
U.S. Government securities	125.1	132.6	137.0	143.0	143.4	177.4	(*)	(*)	(*)	(*)
Other U.S. Government liabilities	13.0	13.6	14.2	14.6	15.6	17.4	4.1	.3	.7	1.5
U.S. liabilities reported by U.S. banks [5]	26.7	25.0	25.5	26.1	26.7	27.3	(*)	(*)	(*)	(*)
Other foreign official assets	15.5	17.9	17.7	15.2	16.7	18.7	(*)	(*)	(*)	(*)
Other foreign assets in the U.S	398.3	498.9	589.8	693.3	858.8	1,090.7	551.3	81.2	248.9	(*)
Direct investments	108.7	124.7	137.1	164.6	184.6	209.3	141.7	18.3	14.2	23.4
U.S. securities [6]	75.1	93.0	113.7	127.3	206.6	309.5	218.0	31.4	16.4	25.3
U.S. liabilities to unaffiliated foreigners [4]	30.6	27.5	26.9	31.0	29.4	26.7	12.9	2.0	3.4	3.0
U.S. liabilities reported by U.S. banks [5]	165.4	228.0	278.3	312.2	354.5	449.2	(*)	(*)	(*)	(*)
U.S. Treasury securities	18.5	25.8	33.6	58.2	83.6	96.0	(*)	(*)	(*)	(*)

Z Less than $50 million. [1] Includes holdings of international and regional organizations that were shifted to "other foreign assets" in subsequent periods. [2] Includes other countries, international organizations, or unallocated, not shown separately. [3] Includes other Western Hemisphere. [4] Reported by U.S. nonbanking concerns. [5] Not included elsewhere. [6] Data included in "Foreign assets in the U.S." [7] Data included in "Foreign official assets in the U.S." [8] Excludes U.S. Treasury securities.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1987, and earlier issues.

No. 1331. U.S. Reserve Assets: 1970 to 1987

[**In billions of dollars.** As of **end of year**, except as indicated]

TYPE	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987, June
Total	14.5	16.2	19.3	18.7	19.0	26.8	30.1	34.0	33.7	34.9	43.2	48.5	45.1
Gold stock [1]	11.1	11.6	11.7	11.7	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1
Special drawing rights	.9	2.3	2.6	1.6	2.7	2.6	4.1	5.3	5.0	5.6	7.3	8.4	8.9
Foreign currencies	.6	.1	(Z)	4.4	3.8	10.1	9.8	10.2	6.3	6.7	12.9	17.3	13.9
Reserve position in IMF [2]	1.9	2.2	4.9	1.0	1.3	2.9	5.1	7.3	11.3	11.5	11.9	11.7	11.3

Z Less than $50 million. [1] Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and international accounts. Beginning 1975, gold assets were valued at $42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL–93–110, approved September 21, 1973. [2] International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly, and Department of the Treasury, *Treasury Bulletin*, monthly.

Digitized by Google

No. 1332. Foreign Direct Investment Position in the U.S.—Value, by Area and Industry: 1970 to 1986

[**In millions of dollars.** Book value at year end. Prior to 1975, covers U.S. firms, including real estate investments in which foreign interest or ownership was 25 percent or more; thereafter, ownership of 10 percent or more. Minus sign (–) indicates a negative position. See also *Historical Statistics, Colonial Times to 1970*, series U 47–74]

AREA AND INDUSTRY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
All areas [1]	**13,270**	**27,862**	**42,471**	**54,462**	**83,046**	**108,714**	**124,877**	**137,061**	**164,583**	**184,615**	**209,329**
Petroleum	2,992	6,213	7,762	9,906	12,200	15,246	17,660	18,209	25,400	28,270	29,627
Manufacturing	6,140	11,386	17,202	20,878	32,993	40,533	44,065	47,665	51,802	59,584	68,057
Finance and insurance	2,256	3,152	5,231	7,575	12,027	14,748	17,933	10,934	24,881	27,429	30,914
Trade, wholesale and retail	994	4,844	9,161	11,562	15,210	20,537	23,804	26,513	31,219	35,873	41,660
Canada	**3,117**	**5,362**	**6,180**	**7,154**	**12,162**	**12,116**	**11,708**	**11,434**	**15,286**	**17,131**	**19,312**
Petroleum	190	596	723	943	1,817	1,801	1,550	1,391	1,544	1,589	1,385
Manufacturing	1,836	3,061	3,213	3,615	5,227	3,378	3,500	3,313	4,115	4,607	5,389
Finance and insurance	324	341	397	505	1,612	1,808	1,801	1,061	3,245	4,008	3,554
Europe	**9,554**	**18,584**	**29,180**	**37,403**	**54,886**	**72,377**	**83,183**	**92,938**	**108,211**	**121,413**	**141,886**
Petroleum	2,777	5,478	6,569	8,010	10,137	12,854	15,071	16,326	23,142	25,636	26,144
Manufacturing	4,091	6,673	11,717	13,952	21,953	30,897	33,032	36,866	39,083	45,841	55,077
Finance and insurance	1,805	2,086	3,575	5,529	6,673	10,084	12,601	6,450	15,945	17,022	20,500
United Kingdom	4,127	6,331	7,638	9,796	14,105	16,585	28,447	32,152	38,387	43,555	51,397
Petroleum	1,220	(D)	492	199	–257	–124	5,444	5,955	10,991	12,155	11,553
Manufacturing	1,391	1,833	3,014	3,547	6,159	7,602	6,504	9,221	9,179	11,687	14,999
Finance and insurance	1,141	932	1,596	2,432	3,350	4,569	5,661	3,777	5,485	6,483	8,862
Netherlands	2,151	5,347	10,078	12,672	19,140	26,824	26,191	29,182	33,728	37,056	42,852
Petroleum	1,311	(D)	5,041	6,478	9,265	11,547	6,098	6,646	9,961	11,481	(D)
Manufacturing	652	1,345	3,058	3,492	4,777	9,018	9,901	11,222	12,497	13,351	14,712
Switzerland	1,545	2,139	2,679	3,449	5,070	5,474	6,378	7,464	8,146	10,568	12,134
Manufacturing	1,147	1,308	1,949	2,281	3,116	3,278	3,584	4,165	4,774	6,881	7,750
Finance and insurance	351	365	519	598	1,033	1,059	1,473	1,830	(D)	5,425	5,094
West Germany	680	1,408	3,654	5,665	7,596	9,459	9,850	10,845	12,330	14,816	17,356
Manufacturing	(NA)	894	1,920	2,665	3,675	4,199	4,239	4,487	4,389	6,015	7,936
Finance and insurance	(NA)	(D)	253	796	1,248	1,339	1,426	1,416	1,902	(D)	1,898
Other Europe	1,051	3,380	4,931	5,821	6,777	12,035	12,327	13,293	15,620	15,417	17,929
Petroleum	(NA)	1,490	1,049	1,298	991	1,315	1,380	1,679	2,060	(D)	(D)
Manufacturing	(NA)	1,293	1,775	1,967	4,026	6,800	6,604	7,771	7,704	7,907	9,679
Finance insurance	(NA)	(D)	471	563	1,193	546	429	–908	(D)	(D)	(D)
Japan	**229**	**591**	**2,748**	**3,493**	**4,723**	**7,897**	**9,677**	**11,336**	**16,044**	**19,313**	**23,433**
Other areas	**370**	**3,135**	**4,362**	**6,412**	**11,472**	**16,524**	**20,099**	**21,358**	**25,043**	**26,758**	**25,915**

D Withheld to avoid disclosure of data of individual companies. NA Not available. [1] Area totals include industries not shown separately. [2] Direct investments (in millions of dollars): Belgium and Luxembourg, 2,766; France, 7,415; Italy, 1,249; and Sweden, 3,642.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1967, and earlier issues.

No. 1333. U.S. Affiliates of Foreign Companies—Assets, Sales, Employment, Land, Exports, and Imports: 1985

[A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of $10 million or more]

INDUSTRY	Total assets (mil. dol.)	Sales [1] (mil. dol.)	Employment [2] (1,000)	Employee compensation (mil. dol.)	GROSS BOOK VALUE		Land owned (1,000 acres)	Merchandise exports [4] (mil. dol.)	Merchandise imports [4] (mil. dol.)
					Plant and equipment [3] (mil. dol.)	Land (mil. dol.)			
Total	**736,231**	**630,113**	**2,853.6**	**79,869**	**293,560**	**27,570**	**14,584**	**58,398**	**111,735**
Mining	11,492	6,412	29.1	1,348	10,283	669	711	889	184
Petroleum	76,481	76,813	125.3	5,095	75,923	3,026	1,024	1,478	6,421
Manufacturing	170,114	185,377	1,438.9	44,567	110,685	3,959	6,430	12,882	18,456
Chemicals and allied products	61,447	62,464	429.7	14,016	51,499	1,412	1,356	5,198	4,270
Wholesale trade [5]	76,367	239,054	296.1	9,068	17,297	947	(D)	38,370	83,365
Motor vehicles and auto parts and supplies	20,921	64,234	71.6	2,516	5,888	312	(D)	3,306	33,995
Farm-product raw materials	7,240	39,265	20.0	552	1,785	82	57	20,264	7,904
Retail trade	19,664	37,978	479.9	6,275	10,566	731	(D)	337	1,272
Finance, except banking	223,626	24,958	46.2	3,268	2,209	84	6	(D)	(D)
Insurance	67,449	24,013	69.2	1,825	2,329	284	14	–	(Z)
Real estate	61,418	12,132	31.8	712	46,663	15,368	2,488	(D)	(D)
Other	29,620	23,376	337.1	7,666	17,626	2,499	3,060	(D)	(D)

– Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Less than $500,000. [1] Excludes returns, discounts, allowances, and sales and excise taxes. [2] Average number of full-time and part-time employees. [3] Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. [4] F.a.s. value at port of exportation. [5] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies*, Preliminary 1985 Estimates.

Digitized by Google

No. 1334. U.S. Businesses Acquired or Established by Foreign Direct Investors, by Industry of U.S. Business Enterprise: 1985 and 1986

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over $1 million, or ownership of 200 acres of U.S. land]

INDUSTRY	1985						1986, prel.					
	Investments			Investors			Investments			Investors		
	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates
NUMBER OF INVESTMENTS [1]												
Total	**753**	**390**	**363**	**817**	**320**	**497**	**659**	**338**	**321**	**714**	**316**	**398**
Agriculture and forestry	26	2	26	29	19	10	22	1	21	27	23	4
Mining	8	7	1	9	–	9	10	9	1	10	–	10
Petroleum	31	26	5	33	12	21	18	12	6	18	10	8
Manufacturing	227	195	32	242	79	163	211	174	37	226	86	140
Wholesale trade	54	30	24	58	26	32	47	36	11	50	13	37
Retail trade	33	31	2	34	6	28	20	18	2	20	7	13
Banking	14	5	9	14	9	5	10	3	7	10	7	3
Finance, except banking	27	7	20	32	15	17	19	7	12	20	7	13
Insurance	7	5	2	7	1	6	9	7	2	9	2	7
Real estate	248	19	229	278	127	151	206	11	195	227	122	107
Other	76	63	13	81	26	55	87	60	27	97	39	58
INVESTMENT OUTLAYS (mil. dol.)												
Total	**23,106**	**20,083**	**3,023**	**23,106**	**4,225**	**18,881**	**31,472**	**25,467**	**6,005**	**31,472**	**6,309**	**25,164**
Agriculture and forestry	64	(D)	(D)	(D)	(D)	(D)	77	2	75	77	71	6
Mining	294	227	67	294	–	294	323	321	2	323	–	323
Petroleum	2,970	2,961	9	2,970	276	2,694	829	796	33	829	693	136
Manufacturing	12,140	11,742	398	12,140	1,935	10,206	13,712	13,019	693	13,712	3,026	10,685
Wholesale trade	804	677	127	804	230	574	761	710	50	761	370	391
Retail trade	1,217	1,198	19	1,217	60	1,157	5,070	5,065	5	5,070	122	4,948
Banking	257	222	35	257	48	209	207	(D)	(D)	207	(D)	(D)
Financing, except banking	489	178	311	489	59	431	1,533	474	1,059	1,533	662	871
Insurance	908	891	17	908	756	152	1,523	(D)	(D)	1,523	(D)	(D)
Real estate	1,921	191	1,730	1,921	493	1,428	3,993	194	3,799	3,993	1,031	2,961
Other	2,041	(D)	(D)	(D)	(D)	(D)	3,446	3,262	184	3,446	234	3,212

– Represents zero. D Withheld to avoid disclosure of data of individual companies. [1] Excludes investments that do not meet asset or acreage criteria in headnote.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.

No. 1335. U.S. Businesses Acquired by Foreign Direct Investors—Assets, Sales, and Employment, by Industry of U.S. Business Enterprise: 1985 and 1986

[See headnote, table 1334. Minus sign (–) indicates loss]

INDUSTRY	1985					1986, prel.				
	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)
Total	**29,478**	**30,561**	**210**	**264.5**	**2,205.8**	**41,245**	**104,890**	**886**	**319.9**	**1,088.3**
Agriculture and forestry	(D)	(D)	1	(D)	(D)	1	(Z)	(Z)	–	(D)
Mining	(D)	303	–39	2	357.3	727	516	31	4.1	56.1
Petroleum	(D)	4,009	160	6.1	37.6	6,605	8,798	153	9.2	16.8
Manufacturing	14,759	19,463	117	153.1	1,759.8	15,136	17,167	448	144.6	1,013.8
Wholesale trade	534	1,122	(Z)	4.2	(D)	944	2,166	40	7.4	.8
Retail trade	1,112	1,903	30	40.2	.6	4,285	7,115	200	108.8	1.9
Banking	2,166	214	15	(D)	(Z)	(D)	(D)	2	(D)	(D)
Finance, except banking	2,885	350	15	1.7	(D)	5,303	65,388	14	(D)	(D)
Insurance	863	439	–3	5.2	(Z)	(D)	(D)	66	5.6	.6
Real estate	290	27	–7	(D)	(Z)	402	93	3	(Z)	5.4
Other	(D)	(D)	–78	(D)	(D)	3,413	2,430	–60	36.5	(D)

– Represents zero. D Withheld to avoid disclosure of data of individual companies. Z Fewer than 500 or less than $500,000.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1987.

Digitized by Google

No. 1336. U.S. Direct Investment Position Abroad and Income, by Country, 1980 to 1986, and by Selected Industries, 1986

[**In millions of dollars.** Direct investments represent private enterprises in one country controlled by investors in another country or in the management of which foreign investors have an important role. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate. See also *Historical Statistics*, series U 41–46]

COUNTRY	DIRECT INVESTMENT POSITION (at yearend)									INCOME [2]								
						1986, prel.									1986, prel.			
	1980	1982	1983	1984	1985	Total [1]	Manufacturing	Petroleum	Finance [3]	1980	1982	1983	1984	1985	Total [1]	Manufacturing	Petroleum	Finance [3]
All areas	215,375	207,752	207,203	211,480	229,748	259,890	107,241	61,151	32,813	37,146	21,380	20,499	21,217	32,665	36,697	17,613	7,470	2,836
Developed countries	158,214	154,381	155,736	157,123	171,869	194,710	87,162	39,606	27,673	24,638	11,558	13,803	13,436	25,970	31,196	15,092	5,963	3,185
Canada	45,119	43,511	44,339	46,730	47,106	50,176	23,759	10,936	6,442	5,855	2,547	4,909	4,910	4,237	5,180	2,770	923	686
Europe	96,287	92,449	92,178	91,589	105,371	123,183	54,126	24,310	19,331	15,991	7,609	7,207	7,399	19,905	22,126	11,148	4,085	2,253
Belgium	8,259	5,549	4,438	4,584	5,333	6,302	5,036	1,109	462	556	219	126	251	1,205	1,498	708	277	83
France	9,347	7,391	6,614	6,406	7,673	9,471	6,581	505	246	1,253	−170	−140	357	1,525	2,177	1,601	128	26
Ireland	2,319	2,031	2,460	2,869	3,606	4,250	3,329	(D)	930	392	398	492	514	736	662	574	−30	96
Italy	5,397	4,316	4,461	4,594	5,711	6,987	4,865	326	378	1,296	381	326	348	1,114	2,650	1,827	351	106
Netherlands	8,039	6,760	6,613	5,839	7,286	11,674	4,697	3,416	1,610	1,853	1,020	1,107	696	2,205	3,300	1,112	1,582	126
Norway	1,679	2,735	3,094	2,841	3,216	3,796	74	3,316	(D)	565	937	689	780	600	411	18	306	(D)
Switzerland	11,280	12,863	14,099	14,725	15,765	17,458	1,301	(D)	6,359	1,865	1,387	1,331	1,394	2,114	2,495	311	(D)	658
United Kingdom	28,460	27,537	27,637	26,553	32,801	34,990	13,990	6,673	7,367	5,408	2,399	2,615	2,405	5,965	3,067	1,336	460	843
West Germany	15,415	15,463	15,319	14,823	16,743	20,344	13,007	3,212	1,177	1,864	880	617	272	3,389	4,625	3,058	760	216
Japan	6,225	8,407	7,661	7,936	9,246	11,333	5,305	2,623	669	839	538	1,105	729	1,617	3,258	1,702	755	130
Australia	7,654	9,069	9,005	6,918	6,427	6,384	3,190	1,321	1,098	1,217	626	484	746	203	391	−26	155	93
South Africa	2,350	2,281	1,987	1,440	1,154	1,143	591	(D)	58	666	206	88	−367	−49	176	85	(D)	14
Developing countries [4]	53,206	48,058	45,748	49,153	52,539	60,609	20,079	17,782	5,140	11,894	6,791	5,689	7,223	6,438	5,840	2,121	1,834	−348
South and Central America	26,535	30,006	28,652	26,567	27,658	28,087	14,932	3,390	3,616	3,689	1,409	709	1,937	1,975	2,531	1,527	349	503
Argentina	2,540	2,864	2,702	2,753	2,713	2,986	1,749	473	54	695	471	347	80	114	382	216	106	10
Brazil	7,704	9,290	9,068	9,237	6,889	9,135	7,095	151	1,109	499	760	134	544	463	723	657	−56	106
Colombia	1,012	1,769	2,126	2,111	2,142	2,049	677	965	83	196	195	149	201	156	110	80	29	9
Mexico	5,986	5,019	4,381	4,597	5,070	4,826	3,926	42	164	1,167	−1,121	−290	347	632	197	223	−11	2
Panama	3,170	4,413	4,837	4,474	4,004	4,352	253	496	2,114	488	572	782	350	497	826	67	101	345
Peru	1,665	1,990	2,042	1,902	1,652	1,116	47	422	5	(D)	260	120	113	−45	−11	(Z)	13	(Z)
Venezuela	1,908	2,831	1,711	1,761	1,588	1,843	926	243	201	106	303	−669	153	22	76	−9	69	20
Other Western Hemisphere	12,226	−1,847	−4,519	−3,941	243	6,884	261	1,837	−407	3,280	2,085	325	−442	134	388	−24	139	−1,003
Bahamas, The	2,712	3,121	3,782	3,331	3,403	3,217	33	846	43	1,003	1,319	1,124	617	1,072	648	7	−24	29
Bermuda	11,045	8,519	8,126	8,011	12,978	14,595	–	407	13,811	1,551	1,279	1,201	1,556	1,225	1,795	1	67	1,612
Netherlands Antilles	−4,336	−19,756	−22,956	−24,664	−20,689	−15,895	25	57	−16,185	33	−1,861	−3,199	−3,322	−3,224	−2,790	6	3	−2,828
Other Africa [5]	3,778	4,205	4,123	4,456	4,496	4,263	291	3,388	46	1,406	516	741	1,016	857	153	−3	53	2
Middle East [6]	2,183	3,550	4,451	5,025	4,611	5,353	246	2,927	222	−22	1,274	654	906	393	500	−76	513	23
Other Asia and Pacific	8,505	12,142	13,039	15,045	15,330	16,023	4,350	6,240	1,463	3,542	3,507	3,260	3,805	3,076	2,267	699	780	126
Hong Kong	2,078	2,854	3,068	3,253	3,296	3,580	448	425	895	564	647	514	451	513	569	129	61	82
Indonesia	1,314	2,295	2,770	4,093	4,432	4,305	235	3,646	188	2,080	1,756	1,630	1,985	1,339	505	8	487	5
International	3,955	5,314	5,721	5,204	5,340	4,571		3,762	–	614	1,031	1,006	1,558	258	−338		−327	–
Addendum OPEC [7]	6,090	6,081	8,440	10,481	10,495	11,256	1,419	6,808	468	2,591	3,483	1,910	3,373	2,444	1,396	−112	1,233	37

– Represents zero. D Suppressed to avoid disclosure of individual companies. Z Less than $500,000. [1] Includes industries not shown separately. [2] Includes insurance. Excludes affiliates that are banks. [3] For 1980, equals sum of interest, dividends, earnings of unincorporated affiliates, and reinvested earnings of incorporated affiliates. 1982–1986, defined as interest plus earnings minus foreign withholding taxes on distributed earnings. [4] Includes affiliates that have operations spanning more than one country and that are engaged in petroleum shipping, other water transportation, or operating oil and gas drilling equipment that is moved from country to country during the year. [5] Includes Egypt and all other in Africa except South Africa. [6] Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Oman, United Arab Emirates, and Yemen. [7] See table 924 for list of countries.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1987.

Digitized by Google

No. 1337. U.S. Government Foreign Grants and Credits: 1945 to 1986

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (–), see headnote, table 1338. See also text, section 29, and *Historical Statistics, Colonial Times to 1970*, series U 75–101]

PROGRAM	1945–1955, total	1956–1965, total	1966–1975, total	1976–1985, total	1982	1983	1984	1985	1986, prel.
Total, net	**53,499**	**49,723**	**70,367**	**104,192**	**11,928**	**11,614**	**13,987**	**14,330**	**14,900**
Investment in international financial institutions [1]	635	655	2,719	10,432	1,007	1,369	1,427	1,302	1,481
Under assistance programs, net	**52,864**	**49,067**	**67,647**	**93,760**	**10,920**	**10,245**	**12,560**	**13,029**	**13,419**
Developed countries [3]	36,039	5,834	616	757	–63	271	96	–530	736
Developing countries [4]	16,826	43,233	67,032	93,002	10,984	9,974	12,464	13,558	12,681
Net new military grants	14,810	21,564	30,236	14,958	1,369	1,317	2,320	3,131	4,131
Developed countries [3]	8,910	7,901	691	1,370	201	226	154	123	163
Developing countries [4]	5,901	13,633	29,545	13,589	1,169	1,091	2,166	3,008	3,968
Gross new grants	15,044	21,805	30,281	14,994	1,373	1,321	2,326	3,134	4,134
Foreign Assistance Act [5]	13,427	21,769	30,281	14,994	1,373	1,321	2,326	3,134	4,134
Military supplies and services	12,282	20,662	9,802	2,439	346	184	159	49	104
Military assistance, service funded [4]	–	8	18,161	–	–	–	–	–	–
Financing of military purchases [5]	–	–	1,584	10,122	755	934	2,022	2,964	3,873
Relocation of facilities in Israel	–	–	–	800	–	–	–	–	–
Other special programs	1,145	1,100	734	1,633	272	203	145	121	157
Other	1,617	36	–	–	–	–	–	–	–
Less: Reverse grants and returns	*234*	*241*	*45*	*36*	*4*	*4*	*6*	*9*	*9*
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	38,054	27,503	37,412	78,801	9,551	8,928	10,240	9,898	9,288
Developed countries [3]	27,129	–2,097	–75	–612	–264	45	–58	–653	575
Developing countries [4]	10,925	29,600	37,487	79,413	9,815	8,883	10,298	10,551	8,713
Net new economic and technical aid grants [6]	28,871	17,675	21,748	43,293	4,746	5,354	6,519	8,257	7,900
Developed countries [7]	20,294	780	182	463	94	100	120	84	101
Developing countries [8]	8,578	16,896	21,929	42,830	4,652	5,254	6,399	8,173	7,799
Gross new grants	30,225	17,993	22,003	43,302	4,746	5,354	6,519	8,257	7,951
Foreign Assistance Act [9]	17,711	12,189	12,191	31,525	3,504	4,018	5,055	6,505	6,439
Farm products disposals:									
Foreign currencies, P.L. 83–480 [7]	–	2,048	4,234	186	10	25	9	8	3
Famine and other urgent relief	530	2,704	2,862	5,017	461	582	668	874	617
Payment of transportation	–	494	946	1,890	198	175	231	331	265
Food for development loan forgiveness	–	–	–	353	59	91	40	11	53
Supplies to military or trusteeship administration areas	5,872	132	536	1,246	186	127	141	153	217
Peace Corps	–	232	912	979	102	116	110	120	130
Other	6,113	194	321	2,106	227	221	244	257	228
Less: Reverse grants and returns	*1,353*	*318*	*255*	*9*	–	–	–	–	*52*
Net new credits [9]	8,642	7,025	16,954	35,796	4,801	3,579	3,714	1,632	1,367
Developed countries [7]	6,646	–3,207	310	–1,019	–387	–54	–176	–730	471
Developing countries [8]	1,996	10,232	16,644	36,815	5,188	3,633	3,891	2,362	897
New credits	12,039	15,429	37,422	72,200	8,594	8,176	7,775	5,920	7,008
Export-Import Bank Act	4,271	5,257	15,505	22,099	2,276	2,596	2,491	1,800	1,220
Foreign Assistance Act [5]	1,919	6,196	12,053	35,324	4,501	4,514	3,945	2,759	2,931
Country program loans	1,765	5,722	8,362	10,752	1,125	969	760	676	612
Financing of military purchases	9	247	3,089	24,288	3,366	3,536	3,185	2,090	2,307
Social Progress Trust Fund	–	226	487	142	–1	5	–4	–16	–5
Other	145	2	116	144	11	4	4	9	17
P.L. 83–480 [7]	48	3,839	7,161	8,142	768	797	909	1,055	981
Loans of foreign currency:									
To foreign governments	48	3,285	1,843	10	1	(Z)	(Z)	(Z)	–
To private enterprises	–	202	217	16	4	3	2	–	2
Long-term credit sales	–	352	5,101	8,116	763	794	907	1,055	888
P.L. 80–806 [9]	–	–	2,433	5,559	39	261	426	300	1,856
Other	5,801	137	271	1,074	1,010	7	2	6	–
Less: Principal collections	*3,397*	*8,404*	*20,469*	*36,404*	*3,792*	*4,597*	*4,061*	*4,288*	*5,640*
Export-Import Bank Act	1,803	4,458	9,282	15,215	1,585	1,914	2,166	2,486	2,903
Foreign Assistance Act [5]	38	1,263	3,557	11,234	1,335	1,283	1,329	1,238	1,676
Country program loans	1	944	2,481	4,217	451	424	438	462	542
Financing of military purchases	2	222	952	6,492	839	817	855	735	1,086
Social Progress Trust Fund	–	9	198	354	26	24	24	24	17
Other	35	88	25	171	17	18	12	16	22
P.L. 83–480 [7]	–	180	3,753	2,923	334	366	330	289	367
Loans of foreign currency:									
To foreign governments	–	111	2,354	551	58	44	43	39	37
To private enterprises	–	43	175	96	5	5	4	2	3
Long-term credit sales	–	27	1,223	2,276	273	317	283	248	327
Lend-lease, surplus property, and grant settlements	677	2,001	1,438	386	20	20	22	18	20
P.L. 80–806 [9]	–	–	1,763	4,748	268	64	108	158	572
Other	880	501	677	1,697	250	950	108	100	101

See footnotes at end of table.

Digitized by Google

No. 1337. U.S. Government Foreign Grants and Credits: 1945 to 1986—Continued

[In millions of dollars. See headnote, p. 762]

PROGRAM	1945–1955, total	1956–1965, total	1966–1975, total	1976–1985, total	1982	1983	1984	1985	1986, prel.
Other assistance (through net accumulation of foreign currency claims) [10]	541	2,802	−1,290	−287	3	−5	7	9	21
Developed countries [2]	190	330	−203	−56	26	−1	−1	−7	4
Developing countries [3]	351	2,472	−1,086	−231	−25	−4	8	15	16
Currency claims acquired	813	11,498	6,888	1,227	126	93	79	97	136
Sales of farm products	813	11,170	3,013	114	29	4	1	10	50
Second-stage operations [11]	-	329	3,675	1,113	97	89	76	87	86
Less: Currencies disbursed	*272*	*8,696*	*8,177*	*1,514*	*123*	*98*	*72*	*89*	*114*
Economic grants and credits to purchasing country	162	6,863	6,238	180	11	25	5	2	5
Other uses	90	1,833	1,940	1,334	111	73	67	86	110

- Represents zero. Z Less than $500,000. [1] For details, see table 1338. [2] Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1338, except Portugal, Spain (through 1981), Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1338. Developing countries include all other countries listed in table 1338 (including Spain through 1981). [3] Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. [4] Includes military assistance under Dept. of Defense Appropriation Act, 1966 (P.L. 89-394) and later acts. [5] Includes funds made available under Public Law 93-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. [6] Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: 1946–55, $1,463 million; 1956–65, $491 million; 1972, $994 million. Repayments on these settlements are included in net new credits. [7] Agricultural Trade Development and Assistance Act. [8] Outstanding credits on Dec. 31, 1986, totaled $72,177 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less chargeoffs and net adjustments due to exchange rates ($1,919 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was $70,579 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. [9] Commodity Credit Corporation Charter Act. [10] Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuations ($1,583 million), was $205 million on Dec. 31, 1986. [11] Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

No. 1338. U.S. Government Foreign Grants and Credits, by Type and Country: 1945 to 1986

[In millions of dollars. See text, section 29. Negative figures (−) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	1945–1955, total	1956–1965, total	1966–1975, total	1976–1985, total	1982	1983	1984	1985	1986, prel.
Total, net	**53,499**	**49,723**	**70,367**	**104,192**	**11,928**	**11,614**	**13,987**	**14,330**	**14,900**
Investment in financial institutions	**635**	**655**	**2,719**	**10,432**	**1,007**	**1,369**	**1,427**	**1,302**	**1,481**
African Development Bank	-	-	-	54	-	18	18	18	15
African Development Fund	-	-	-	125	-	23	57	20	53
Asian Development Bank	-	-	110	602	59	56	80	135	110
Inter-American Development Bank	-	300	1,321	2,770	189	235	353	321	351
Int'l. Bank for Reconst. and Development	635	-	13	353	48	34	27	41	241
International Development Association	-	320	1,275	6,417	697	1,002	892	768	658
International Finance Corporation	-	35	-	111	14	-	-	-	28
Under assistance programs	**52,864**	**49,067**	**67,647**	**93,760**	**10,920**	**10,245**	**12,560**	**13,029**	**13,419**
Western Europe	**33,783**	**6,752**	**1,004**	**1,626**	**−172**	**154**	**253**	**−202**	**−7**
Austria	1,019	193	−19	34	8	(z)	3	10	−9
Belgium and Luxembourg	1,606	305	17	−46	−15	−17	−17	−15	−9
Denmark	596	278	64	−58	−4	−13	−12	−30	−7
Finland	86	−26	−19	21	−6	19	11	−2	−47
France	8,810	−171	−93	222	5	6	−17	−47	−26
Iceland	34	33	−8	−12	−1	−1	−1	−1	−2
Ireland	146	−16	−51	7	8	−7	−4	(z)	2
Italy	3,987	1,435	85	133	−28	−25	−12	−84	−107
Malta	1	3	47	34	-	-	-	(z)	(z)
Netherlands	1,779	322	116	−180	−26	−20	−14	−9	−1
Norway	697	362	379	−257	−26	−12	−4	−31	−16
Portugal	248	241	34	1,003	(z)	55	129	101	178
Spain	258	1,203	607	965	27	101	222	−65	67
Sweden	108	−20	17	−1	−4	−5	−3	−6	−6
United Kingdom	7,495	105	−546	−964	−208	−119	−134	−121	−202
West Germany	3,907	10	−117	−117	−9	−6	−6	−2	-
Yugoslavia	1,471	1,151	84	174	−31	20	17	18	−21
Other [1] and unspecified	1,534	1,348	407	1,112	147	178	116	102	200

See footnotes at end of table.

Digitized by Google

No. 1338. U.S. Government Foreign Grants and Credits, by Type and Country: 1945 to 1986—Continued

[In millions of dollars. See headnote, p. 763]

Country	1945–1955, total	1956–1965, total	1966–1975, total	1976–1985, total	1982	1983	1984	1985	1986, prel.
Eastern Europe	**1,097**	**501**	**226**	**1,029**	**55**	**54**	**5**	**15**	**1,166**
Czechoslovakia	191	–	–	−5	(Z)	−2	−3	–	–
Poland	425	555	−75	1,016	86	74	67	45	1,267
Romania	–	–	92	55	−16	5	−18	35	−26
Soviet Union	425	−59	214	−44	−11	−21	−39	−68	−66
Other and unspecified	56	5	−5	6	−4	−2	−2	3	−6
Near East and South Asia	**5,092**	**16,828**	**17,196**	**50,788**	**6,036**	**5,968**	**6,458**	**7,437**	**7,831**
Afghanistan	31	227	185	56	−1	−2	−4	−21	−3
Bangladesh	–	–	701	1,670	202	219	265	175	176
Cyprus	–	19	20	138	−2	(Z)	1	17	21
Egypt	41	1,009	271	13,599	2,344	2,060	1,925	2,231	2,730
Greece	2,147	1,281	905	362	−52	19	−14	−21	72
India	399	4,890	3,810	1,016	89	74	83	42	36
Iran	314	1,061	914	−847	–	−306	–	–	–
Iraq	13	81	−5	5	−1	32	−8	−12	−5
Israel	390	483	3,760	25,416	2,181	2,660	3,094	3,807	4,030
Jordan	26	495	618	1,320	170	67	−15	−1	7
Lebanon	15	78	90	233	−2	57	32	34	−12
Nepal	3	86	105	177	22	28	24	28	20
Oman	–	–	(Z)	79	22	3	14	−4	12
Pakistan	189	3,092	2,048	1,971	167	348	415	481	350
Saudi Arabia	13	35	23	−20	−1	−2	−2	−2	−1
Sri Lanka	(Z)	89	153	512	49	63	83	90	86
Syria	1	57	15	262	27	25	1	(Z)	(Z)
Turkey	1,295	3,020	2,703	3,760	695	490	442	479	298
Yemen (Sanaa)	–	40	24	216	30	37	33	41	39
UNRWA [1]	131	274	296	596	69	71	67	75	67
Other and unspecified	82	510	559	265	26	26	22	−3	127
Africa	**148**	**2,272**	**3,610**	**11,081**	**1,192**	**1,224**	**1,803**	**2,012**	**1,291**
Algeria	1	135	263	345	(Z)	−83	−108	−131	−128
Angola	–	–	6	115	37	−8	−5	38	27
Benin	–	7	12	44	4	2	4	5	3
Botswana	–	(Z)	35	169	20	18	28	29	20
Burkina	–	5	40	287	30	30	40	49	29
Burundi	–	4	5	62	8	8	13	9	5
Cameroon	–	16	50	150	14	3	20	5	11
Cape Verde	–	–	1	68	12	12	6	5	9
Chad	(Z)	5	20	145	6	23	29	41	25
Ethiopia	13	200	297	310	2	6	30	157	88
Ghana	(Z)	64	203	152	7	8	20	18	13
Guinea	–	58	68	74	1	2	4	11	14
Ivory Coast	–	14	57	57	−5	−3	2	12	5
Kenya	(Z)	34	76	549	54	81	68	82	90
Lesotho	–	(Z)	27	197	27	28	37	23	23
Liberia	25	139	86	459	72	68	107	71	52
Libya	25	192	6	–	–	–	–	–	–
Madagascar	(Z)	7	13	86	15	10	20	24	21
Malawi	–	5	30	56	3	7	10	8	11
Mali	–	12	58	186	15	16	32	50	45
Mauritania	–	1	20	161	13	22	26	38	16
Morocco	7	464	413	948	56	117	313	139	175
Mozambique	–	–	1	174	5	11	21	51	30
Niger	–	5	64	223	22	18	25	93	39
Nigeria	(Z)	87	284	267	−5	80	49	151	1
Rwanda	–	2	13	91	12	11	19	16	24
Senegal	–	16	48	361	33	50	75	51	45
Sierra Leone	(Z)	22	36	85	8	11	9	11	12

See footnotes at end of table.

Digitized by Google

No. 1338. U.S. Government Foreign Grants and Credits, by Type and Country: 1945 to 1986—Continued

[In millions of dollars. See headnote, p. 763]

COUNTRY	1945-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1982	1983	1984	1985	1986, prel.
Africa—Continued									
Somalia	(Z)	42	47	582	77	91	115	117	112
Sudan	-	86	52	1,358	261	212	223	443	164
Swaziland	-	(Z)	8	58	7	11	7	8	9
Tanzania	2	34	123	259	28	20	22	21	10
Togo	-	9	18	60	7	8	6	9	10
Tunisia	2	407	378	563	116	125	113	40	3
Uganda	-	12	33	40	2	4	3	5	4
Zaire	(Z)	258	342	938	85	44	208	66	104
Zambia	-	1	35	339	15	25	53	60	77
Zimbabwe	-	(Z)	(Z)	271	27	62	74	54	22
Other and unspecified	71	-75	343	780	97	75	67	130	117
Far East and Pacific	**10,466**	**16,199**	**34,778**	**9,635**	**814**	**1,193**	**858**	**220**	**-64**
Australia	1	(Z)	276	-12	37	75	-5	-39	-118
Burma	25	134	43	31	6	3	7	7	7
Cambodia	28	327	1,771	-	-	-	-	-	-
China: Mainland	-	-	-	49	12	9	20	6	-8
Taiwan	1,267	2,681	1,523	648	35	-44	-144	-255	-262
Hong Kong	3	35	41	11	11	-9	-14	-14	-11
Indonesia	250	501	1,388	1,661	21	259	224	38	13
Japan and Ryukyu Islands	3,275	1,318	-345	-210	-84	-16	-99	-87	-88
Laos	37	647	1,868	-	-	-	-	-	-
Malaysia	1	30	86	39	-5	61	-6	-11	-15
New Zealand	5	2	95	-66	-19	-15	-13	-11	-10
Pacific Islands, Trust Territory of the [3]	30	89	488	1,260	188	127	143	154	216
Philippines	1,057	554	729	1,466	61	239	141	334	449
Singapore	-	(Z)	78	110	-15	-34	56	-53	-183
South Korea	1,421	4,744	5,426	3,518	475	449	208	58	-146
Thailand	192	727	996	733	49	60	110	68	62
Vietnam	244	3,566	19,721	-	-	-	-	-	-
Other and unspecified	2,628	844	595	400	42	29	31	26	27
Western Hemisphere	**1,257**	**5,181**	**6,816**	**9,861**	**1,862**	**832**	**2,078**	**2,142**	**1,756**
Argentina	86	342	34	21	31	26	16	14	69
Bahamas, The	(Z)	(Z)	29	-25	(Z)	(Z)	-	(Z)	1
Bermuda	-	-	18	-18	-	-	-	-	-
Bolivia	77	288	270	414	33	52	39	71	110
Brazil	511	1,400	1,518	399	-127	40	90	368	-19
Canada	-1	4	272	317	91	97	98	-67	-61
Chile	102	740	724	-565	-51	-47	-28	-7	57
Colombia	44	446	846	298	-7	83	104	93	63
Costa Rica	16	83	103	667	46	202	163	213	139
Dominican Republic	1	184	360	550	73	38	141	154	238
Ecuador	34	131	144	153	-4	10	46	50	67
El Salvador	4	56	93	1,681	240	329	446	448	376
Guatemala	23	146	160	269	23	33	25	52	88
Guyana	(Z)	7	71	36	5	2	-1	(Z)	2
Haiti	27	75	42	370	46	42	44	56	87
Honduras	6	53	113	801	85	112	210	243	224
Jamaica	16	3	120	644	106	114	152	151	121
Mexico	226	178	305	1,162	1,084	-549	97	-40	-52
Nicaragua	8	67	150	197	8	3	1	-2	(Z)
Panama	10	103	210	205	13	15	54	43	24
Paraguay	4	67	86	22	2	3	(Z)	1	(Z)
Peru	55	304	274	758	(Z)	68	213	181	92
Trinidad and Tobago	-	35	21	151	11	-19	19	-21	-32
Uruguay	8	90	116	-9	10	-5	-3	-4	11
Venezuela	6	156	115	-35	-1	6	-37	-30	-31
Central American Bank for Economic Integration	-	8	121	36	(Z)	3	-4	-4	-5
Caribbean Development Bank	-	-	8	108	14	14	1	1	-1
Other [4] and unspecified	-8	218	496	1,236	134	161	173	198	167
Other international organizations and unspecified areas	**1,022**	**1,335**	**4,018**	**9,739**	**1,133**	**820**	**1,304**	**1,404**	**1,345**

- Represents zero. Z Less than $500,000. [1] Includes European Atomic Energy Community, European Coal and Steel Community, European Economic Cooperation. [2] United Nations Relief and Works Agency for Palestine refugees. [3] Excludes transactions after October 1986, with Commonwealth of the Northern Mariana Islands, includes transactions with Federated States of Micronesia, Republic of the Marshall Islands, and Republic of Palau. [4] Includes Andean Development Corporation, Eastern Caribbean Central Bank, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

Source: U.S. Bureau of Economic Analysis, press releases and unpublished data.

Digitized by Google

No. 1339. U.S. Foreign Economic and Military Aid Programs: 1946 to 1986

[In millions of dollars. For years ending June 30 except, beginning 1977, ending Sept. 30. Economic aid shown here represents total U.S. economic aid—not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946–1986 are true totals net of deobligation; annual figures however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

Period or year and region	Total economic and military aid	Economic aid			Military aid		
		Total	Loans	Grants	Total	Loans	Grants
1946–1986, total	**315,245**	**196,615**	**55,891**	**140,724**	**118,630**	**35,662**	**82,968**
1946–1952	41,661	31,116	8,518	22,598	10,545	–	10,545
1953–1961	43,356	24,053	5,850	18,203	19,305	161	19,144
1962–1969	50,254	33,392	15,421	17,972	16,862	1,620	15,242
1970–1979	65,714	26,902	9,995	16,907	38,812	14,179	24,633
1980–1986	96,368	63,081	10,941	52,140	33,287	19,758	13,529
1970	6,568	3,676	1,389	2,288	2,892	70	2,822
1971	7,836	3,442	1,299	2,143	4,396	743	3,653
1972	9,021	3,940	1,639	2,301	5,080	550	4,530
1973	9,472	4,117	1,391	2,726	5,356	550	4,805
1974	8,510	3,906	1,150	2,756	4,604	1,396	3,208
1975	6,916	4,908	1,679	3,229	2,009	750	1,259
1976	6,412	3,878	1,759	2,119	2,535	1,442	1,093
1976, TQ [1]	2,603	1,931	840	1,091	672	494	178
1977	7,784	5,594	2,083	3,511	2,190	1,411	779
1978	9,014	6,861	2,530	4,131	2,353	1,601	752
1979	13,845	7,120	1,900	5,220	6,725	5,173	1,552
1980	9,695	7,573	1,993	5,580	2,122	1,450	672
1981	10,550	7,305	1,460	5,845	3,245	2,548	698
1982	12,324	8,129	1,454	6,675	4,195	3,084	1,111
1983	14,202	8,603	1,619	6,984	5,599	3,932	1,667
1984	15,524	9,038	1,621	7,417	6,486	4,401	2,085
1985	18,128	12,327	1,579	10,748	5,801	2,365	3,436
1986	**15,945**	**10,106**	**1,215**	**8,891**	**5,839**	**1,980**	**3,859**
Near East and South Asia	8,758	4,331	535	3,796	4,427	1,242	3,186
East Asia	999	618	107	511	381	278	103
Europe	631	133	–	133	498	426	72
Latin America	1,729	1,490	342	1,148	238	8	231
Africa	1,421	1,216	232	985	205	27	178
Oceania and other	15	15	–	15	1	–	1
Non-regional	2,408	2,318	–	2,318	91	–	91

– Represents zero. [1] Transition quarter, July–Sept.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

No. 1340. U.S. Foreign Military Aid, by Regions and Selected Countries: 1982 to 1986

[In millions of dollars. For years ending Sept. 30. Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

Region and country	1982	1983	1984	1985	1986	Region and country	1982	1983	1984	1985	1986
Total	4,195	5,599	6,486	5,801	5,839						
Near East and South Asia	3,099	4,164	4,765	4,248	4,427	East Asia	352	367	443	416	391
Egypt	902	1,327	1,367	1,177	1,246	Indonesia	42	27	47	34	21
Greece	281	281	501	501	432	Malaysia	11	5	11	5	2
Israel	1,400	1,700	1,700	1,400	1,723	Philippines	51	51	52	42	105
Jordan	57	53	117	92	83	South Korea	167	187	232	232	165
Lebanon	11	102	16	1	1	Thailand	81	96	101	102	88
Oman	30	30	40	40	9	Africa [1]	319	338	335	279	305
Pakistan	1	261	301	326	312	Botswana	1	5	9	9	4
Turkey	403	403	718	704	619	Cameroon	2	3	5	5	(Z)
Yemen	12	7	5	6	3	Djibouti	(Z)	2	2	3	2
Latin America [1]	151	164	359	269	238	Gabon	3	2	3	(Z)	(Z)
Colombia	11	1	25	1	4	Kenya	33	22	24	22	17
Costa Rica	2	5	9	11	3	Liberia	13	13	13	13	5
Dominican Rep	6	7	6	9	5	Morocco	31	101	70	50	36
Ecuador	5	5	7	7	5	Niger	2	3	2	5	4
El Salvador	82	81	197	136	122	Somalia	25	31	33	34	29
Haiti	1	1	1	1	2	Sudan	101	44	47	48	17
Honduras	31	48	77	57	61	Tunisia	96	102	112	67	66
Jamaica	2	4	4	8	8	Zaire	11	10	8	8	8
Panama	5	6	14	11	8	Europe	195	514	511	531	489
Peru	5	5	11	9	1	Portugal	67	111	108	128	112
						Spain	127	403	403	403	365
						Non-regional	79	53	72	58	91

Z Less than $500,000 [1] Include amounts not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual.

Digitized by Google

No. 1341. U.S. Foreign Aid—Commitments for Economic Assistance, by Regions and Selected Countries: 1982 to 1986

[**In millions of dollars.** For years ending **Sept. 29.** Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID. See text, section 29]

Region and country	1982	1983	1984	1985	1986
Economic assistance	**4,990**	**5,244**	**5,684**	**6,132**	**6,783**
Near East and South Asia [1]	**2,307**	**2,400**	**2,474**	**3,867**	**3,728**
Bangladesh	74	79	77	76	72
Cyprus	15	15	15	15	14
Egypt	771	750	853	1,065	1,069
Israel	806	785	910	1,950	1,898
Jordan	15	20	20	100	95
Lebanon	9	52	28	20	16
Nepal	16	14	14	18	17
Oman	15	15	15	20	20
Pakistan	100	200	225	250	263
Sri Lanka	49	51	45	35	25
Turkey	300	285	139	175	120
Yemen (Sanaa)	23	28	27	28	25
Regional	16	17	19	23	–
East Asia	**219**	**216**	**230**	**313**	**518**
Burma	8	14	12	15	10
Indonesia	66	72	75	72	66
Philippines	89	87	84	183	351
Thailand	31	23	36	36	31
East Asia Regional	23	21	23	7	59
Europe	[1] **99**	**45**	**62**	**94**	**131**
Italy	52	13	10	2	–
Portugal	20	20	40	80	77
Spain	22	12	12	12	–
Latin America [1]	**814**	**842**	**912**	**1,506**	**1,124**
Belize	–	17	4	23	10
Bolivia	2	11	52	18	38
Costa Rica	32	184	146	196	139
Dominican Rep	60	35	64	126	67
Ecuador	17	22	23	33	50
El Salvador	155	199	161	376	268
Grenada	–	–	48	11	–
Guatemala	8	22	5	76	90
Guyana	2	(Z)	–	–	–
Haiti	12	27	26	31	47
Honduras	68	87	71	205	112
Jamaica	119	82	88	115	85
Nicaragua	6	–	–	–	–
Panama	12	6	11	74	33
Latin America [1] — Con.					
Paraguay	–	–	(Z)	1	1
Peru	36	36	119	38	26
ROCAP [2]	13	19	16	107	63
Regional	22	37	23	30	29
Africa [1]	**643**	**636**	**728**	**900**	**786**
Botswana	11	10	11	10	14
Burkina	11	(Z)	(Z)	8	15
Burundi	5	6	4	4	3
Cameroon	15	19	23	24	25
Cape Verde	4	2	2	3	3
Chad	4	2	11	16	16
Congo	1	1	1	1	1
Djibouti	2	2	3	4	3
Equatorial Guinea	1	1	1	1	1
Gambia, The	1	4	4	6	5
Ghana	1	–	(Z)	2	4
Guinea	1	2	2	4	13
Guinea-Bissau	2	2	2	4	2
Kenya	39	61	53	40	43
Lesotho	10	12	10	11	10
Liberia	47	45	48	60	45
Malawi	8	7	8	25	35
Mali	10	10	12	32	13
Mauritania	6	5	5	11	4
Mauritius	2	2	4	7	2
Morocco	12	11	26	38	37
Niger	13	21	26	28	24
Rwanda	7	5	8	19	7
Senegal	16	19	35	44	50
Seychelles	2	2	2	2	2
Sierra Leone	3	1	1	(Z)	(Z)
Somalia	34	48	51	51	45
Sudan	125	115	146	149	71
Swaziland	9	6	6	9	11
Tanzania	11	–	1	(Z)	(Z)
Togo	3	3	4	4	11
Tunisia	5	5	2	23	23
Uganda	7	8	9	9	15
Zaire	10	15	26	36	48
Zambia	20	16	21	42	20
Zimbabwe	75	60	41	41	13
Regional	57	59	50	96	85
Non-regional	**1,108**	**1,106**	**1,279**	**1,453**	**517**

– Represents zero. Z Less than $500,000. [1] Includes countries not shown separately. [2] Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual; and unpublished data.

Digitized by Google

No. 1342. U.S. Exports and Imports of Merchandise: 1960 to 1986

[**In billions of dollars, except percent.** Includes silver ore and bullion; beginning 1974, includes shipments of nonmonetary gold. Data may differ from those shown in tables 1345, 1349, and 1350, due to revisions and inclusion of the Virgin Islands since 1974. For basis of dollar values, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 190–195 and U 207–212]

YEAR	Merchandise trade balance	EXPORTS [1]					GENERAL IMPORTS [4]				AVERAGE ANNUAL PERCENT CHANGE [5]	
			Domestic									
		Total [2]	Total [2]	Agricultural	Machinery	Transport equipment	Total [2]	Petroleum	Machinery	Transport equipment	Domestic exports	General imports
1960	4.8	19.6	19.4	(NA)	(NA)	(NA)	15.0	(NA)	(NA)	(NA)	19.8	.1
1965	5.3	26.7	26.3	(NA)	(NA)	(NA)	21.4	(NA)	(NA)	(NA)	4.0	4.3
1966	3.8	29.4	26.9	6.9	7.4	3.8	25.5	2.1	2.6	2.2	9.9	19.2
1967	4.1	30.9	30.8	6.4	8.0	4.5	26.8	2.1	3.0	2.8	5.9	5.1
1968	.8	34.1	33.8	6.2	8.8	5.9	33.2	2.3	3.7	4.3	9.8	8.4
1969	1.3	37.3	36.8	5.9	9.9	8.5	36.0	2.8	4.5	5.3	9.5	11.1
1970	2.7	42.7	42.0	7.2	11.4	8.5	40.0	2.8	5.3	5.9	14.1	10.8
1971	−2.0	43.5	42.9	7.7	11.8	7.9	45.8	3.3	6.0	7.9	2.1	14.0
1972	−6.4	49.2	48.4	9.4	13.2	8.3	55.8	4.3	7.8	9.8	12.8	21.9
1973	1.3	70.8	69.7	17.7	17.1	10.7	69.5	7.8	10.0	11.1	44.0	25.0
1974	−4.5	98.1	96.5	22.0	23.7	14.5	102.8	24.3	11.8	12.5	38.5	47.6
1975	9.1	107.7	106.1	21.9	28.5	17.2	98.5	24.8	12.0	12.2	9.9	−4.0
1976	−8.3	115.2	113.5	23.0	31.3	18.2	123.5	31.8	15.2	14.8	7.0	25.4
1977	−29.2	121.2	118.9	23.7	32.5	18.5	150.4	41.5	17.7	17.8	4.8	21.8
1978	−31.1	143.7	141.0	29.4	37.0	22.3	174.8	39.1	24.4	23.2	18.6	16.2
1979	−27.8	181.9	178.8	34.8	44.7	25.8	209.5	56.0	28.0	25.8	26.7	19.9
1980	−24.2	220.8	218.5	41.3	55.8	28.8	244.9	77.8	31.9	28.8	21.2	16.9
1981	−27.3	233.7	229.9	43.3	62.9	32.8	261.0	75.8	38.2	31.4	5.7	6.6
1982	−31.8	212.3	207.1	36.8	60.3	23.8	244.0	59.4	39.7	33.8	−9.5	−6.5
1983	−57.5	200.5	196.0	36.1	54.3	26.3	258.0	52.3	47.0	39.2	−5.4	5.7
1984	−107.9	217.9	212.1	37.8	60.3	29.7	325.7	55.9	68.4	50.8	8.2	26.2
1985	−132.1	213.1	206.9	29.2	59.5	34.8	345.3	49.8	75.3	62.0	−2.5	6.0
1986	−152.7	217.3	206.4	26.1	60.4	34.9	370.0	34.1	87.5	74.0	−.2	7.2

NA Not available. [1] Includes "Special Category" items and beginning 1974, includes trade of Virgin Islands with foreign countries. F.a.s. value basis. [2] Domestic and foreign exports excluding M.A.P. Grant-Aid shipments, including re-exports. [3] Includes commodity groups not shown separately. [4] 1960–1973, 1982–1986, customs value basis; 1974–1981, f.a.s. value basis. Beginning 1974, includes trade of Virgin Islands with foreign countries. [5] 1960, change from 1959; thereafter from previous year. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1343. U.S. Exports and Imports—Indexes of Unit Value (Average Price), and Quantity: 1970 to 1986

[**1977 average = 100.** See headnote, table 1347. See also *Historical Statistics, Colonial Times to 1970*, series U 225–248]

ECONOMIC CLASS	INDEX OF EXPORTS OF U.S. MERCHANDISE							INDEX OF GENERAL IMPORTS						
	1970–1975, avg.	1980	1982	1983	1984	1985	1986	1970–1975, avg.	1980	1982	1983	1984	1985	1986
Unit value	**67.4**	**138.1**	**152.5**	**154.1**	**156.2**	**155.0**	**155.4**	**59.8**	**161.4**	**167.5**	**160.6**	**163.5**	**159.4**	**154.0**
Foods:														
Crude	84.1	140.0	127.9	134.9	136.0	122.9	109.2	39.2	103.8	92.2	88.9	95.3	93.7	106.5
Manufactured	76.7	121.4	118.0	117.7	120.9	112.8	110.9	87.5	169.5	149.6	151.8	149.4	142.4	146.4
Materials, crude	58.3	122.1	116.7	117.0	121.7	109.7	103.1	46.1	224.2	232.4	210.4	205.2	192.0	115.2
Manufactures:														
Semi	69.7	167.8	154.7	150.5	154.7	144.9	135.9	57.4	171.3	157.9	152.8	150.1	137.4	119.9
Finished	67.0	134.6	165.7	166.4	169.4	175.1	181.7	66.6	134.9	147.8	143.5	149.3	149.0	155.8
Quantity	**82.3**	**132.9**	**115.1**	**107.8**	**115.1**	**113.0**	**112.6**	**77.4**	**102.5**	**99.9**	**110.3**	**136.7**	**148.6**	**164.9**
Foods:														
Crude	78.4	146.6	136.6	129.7	137.5	111.7	95.8	114.5	104.5	111.1	120.8	128.9	139.2	148.1
Manufactured	73.1	146.3	135.2	135.8	122.5	122.4	140.8	84.7	90.8	97.5	103.1	122.0	131.0	132.5
Materials, crude	88.8	139.3	137.7	119.1	118.9	114.8	113.8	53.3	60.5	58.9	54.3	56.0	53.9	66.2
Manufactures:														
Semi	92.0	159.1	141.0	138.8	151.8	153.8	162.0	92.4	86.1	91.2	108.8	136.8	136.3	157.1
Finished	79.9	124.7	103.8	96.5	104.7	104.4	103.2	81.0	125.4	138.3	160.0	209.4	237.9	258.9

Source: U.S. Bureau of the Census, unpublished data.

Digitized by Google

No. 1344. Domestic Exports and General Imports of Selected Commodities—Value, by Area: 1986

[In millions of dollars. Includes nonmonetary gold. Exports are f.a.s. (free alongside ship) transaction value basis; imports are customs value basis]

Selected commodities	Total [1]	Western Hemisphere		Western Europe			Asia			OPEC [2]
		Canada	Mexico	United Kingdom	West Germany	France	Japan	China: Taiwan	South Korea	
Domestic exports, total	**206,376**	**43,470**	**11,937**	**10,720**	**9,963**	**6,922**	**23,153**	**5,399**	**6,239**	**10,660**
Agricultural commodities	26,061	1,534	(NA)	678	1,042	(NA)	5,088	(NA)	(NA)	(NA)
Nonagricultural commodities	180,315	41,936	(NA)	10,042	8,921	(NA)	18,065	(NA)	(NA)	(NA)
Food and live animals	17,303	1,333	595	414	448	311	4,144	545	443	1,619
Meat and meat preparations	1,424	91	50	28	10	75	761	9	3	19
Grain and cereal preparation	7,368	120	215	30	19	16	1,500	414	372	1,122
Wheat and wheat flour	3,217	2	(Z)	1	1	(Z)	425	102	240	657
Corn	2,718	40	145	9	8	12	878	271	130	97
Beverages and tobacco	2,920	49	2	63	257	33	390	47	12	232
Crude materials, excluding fuels	17,324	1,369	803	600	885	322	4,068	1,053	1,578	425
Soybeans	4,334	33	179	94	230	87	(Z)	359	206	47
Logs and lumber	2,240	244	43	45	71	10	1,097	87	117	8
Metal ores and scrap	2,802	414	100	131	68	32	862	184	298	56
Mineral fuels and related materials	8,114	1,397	390	202	78	304	1,311	270	230	163
Bituminous coal	3,862	693	8	138	40	231	555	155	124	34
Chemicals and related products	22,766	2,668	1,288	895	1,180	721	3,081	861	760	1,089
Manufactured goods	14,005	3,527	1,194	700	567	299	1,290	248	388	735
Textile yarn, fabric, articles	573	501	191	125	99	59	122	38	44	222
Iron and steel mill products	1,020	298	147	33	30	17	49	33	18	74
Machinery	60,397	10,788	4,820	4,644	3,632	4,862	4,085	1,422	1,694	3,284
Power generating	9,165	2,393	662	578	390	915	497	139	179	466
Agricultural [3]	1,421	643	57	45	32	58	33	4	3	127
General industrial	7,714	1,754	688	437	325	215	327	144	161	725
Office machinery and computers	15,457	2,124	421	1,866	1,568	950	1,379	268	250	322
Telecommunications [4]	4,408	531	557	320	151	86	312	178	144	502
Electrical [5]	13,630	2,048	1,757	848	711	438	961	539	648	338
Transport equipment	34,893	14,707	1,291	1,102	1,354	778	2,137	301	321	1,896
Automobile, motor vehicles [6]	18,575	13,865	1,098	206	313	140	263	59	43	708
Aircraft and parts	15,106	631	105	847	1,015	611	1,826	205	267	1,100
Professional, scientific, and controlling instruments	6,732	814	277	617	541	358	736	145	188	284
General imports, total	**369,961**	**68,253**	**17,302**	**15,396**	**25,124**	**10,127**	**81,911**	**19,791**	**12,729**	**19,751**
Agricultural commodities	21,281	2,015	(NA)	201	636	(NA)	269	(NA)	(NA)	(NA)
Nonagricultural commodities	348,681	66,237	(NA)	15,195	24,487	(NA)	81,643	(NA)	(NA)	(NA)
Food and live animals	20,803	2,674	2,202	186	384	199	446	421	179	1,372
Meat and meat preparations	2,367	537	5	(Z)	6	7	1	2	(Z)	(Z)
Fish, including shellfish	4,691	1,021	371	39	5	31	260	257	140	407
Vegetables and fruit	4,200	172	870	9	95	33	48	124	19	225
Coffee	4,293	(Z)	576	4	108	(Z)	(Z)	(Z)	205	(Z)
Beverages and tobacco	3,866	459	186	54	229	806	40	2	7	9
Crude materials, excluding fuels	10,432	5,680	607	118	104	94	103	42	15	445
Paper base stocks	1,547	1,414	540	(Z)	(Z)	1	(Z)	(Z)	–	(Z)
Wood	3,140	2,993	11	(Z)	2	(Z)	(Z)	2	(Z)	19
Metal ores and scrap	2,148	675	68	43	17	22	3	1	1	72
Mineral fuels and related materials	37,310	6,536	3,738	2,030	72	119	68	32	41	16,319
Crude petroleum	22,721	2,937	3,261	1,806	–	4	21	–	–	10,662
Petroleum products	11,420	1,061	390	162	72	112	23	32	41	4,813
Natural gas	2,994	2,451	65	62	(Z)	2	1	(Z)	(Z)	375
Chemicals and related products	15,001	2,752	461	1,509	(Z)	1,239	1,792	236	130	143
Manufactured goods	48,826	11,815	1,584	1,691	2,671	1,475	8,833	2,992	1,816	853
Paper, paperboard	5,718	4,405	224	111	173	79	151	59	32	29
Iron and steel	8,166	1,198	177	264	823	518	2,241	177	523	85
Nonferrous metals	7,699	2,486	366	394	325	147	505	28	14	267
Machinery	87,549	7,345	6,531	6,074	7,570	2,759	33,649	5,708	3,649	114
Power generating	9,802	2,074	1,083	1,084	949	1,325	1,942	64	27	6
General industrial	9,657	1,160	291	632	1,524	348	2,755	596	182	2
Telecommunications [4]	20,720	542	1,463	1,191	143	50	12,449	1,895	1,580	3
Electrical [5]	20,155	1,459	2,235	599	1,414	483	5,455	1,565	1,296	2
Office machinery and data processing equipment	14,669	859	305	432	581	157	7,307	1,233	515	22
Transport equipment	74,013	22,533	1,148	2,188	9,294	1,624	31,049	606	896	13
Automobiles, buses, trucks	54,861	15,213	570	754	8,329	126	26,597	3	799	2
New passenger cars	45,302	11,817	434	721	8,121	(Z)	21,061	–	1	–
Motor vehicle parts	11,912	5,575	531	335	708	1	3,093	(Z)	(Z)	8
Clothing	17,266	213	321	229	115	233	464	2,586	2,529	278
Footwear	6,473	34	80	30	25	100	13	2,101	1,489	3

– Represents zero. NA Not available. Z Less than $500,000. [1] Includes countries and regions not shown separately. [2] Organization of Petroleum Exporting Countries. See table 924 for list of countries. [3] Agricultural machinery and parts and tractors, excluding tractor parts. [4] Includes sound recording and reproducing apparatus and equipment. [5] Electrical machinery, apparatus, appliances, and parts. [6] Includes motor vehicle and tractor parts, except tires, engines, and electrical parts.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, December issue; U.S. General Imports/World Area and Country of Origin by Schedule A Commodity Groupings and FT 155, U.S. Exports/World Area and Country of Destination by Schedule E Commodity Groupings FT 455.

Digitized by Google

No. 1345. Exports, Imports, and Merchandise Trade Balance, by Continent, Area, and Country: 1975 to 1986

[**In millions of dollars, except percent.** Includes silver ore and bullion. Area, continent, and individual country totals include exports of special category commodities, if any. Beginning 1960, data include nonmonetary gold and beginning 1984, data include trade of Virgin Islands with foreign countries, see footnote 2 for exception. Minus sign (−) denotes an excess of imports over exports. See *Historical Statistics, Colonial Times to 1970*, series U 317–352, for selected countries]

Continent, area, and country	Exports, domestic and foreign					General imports [1]					Merchandise trade balance				
	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
Total [3]	**107,592**	**220,783**	**217,886**	**213,146**	**217,304**	**96,902**	**244,871**	**325,726**	**345,276**	**369,961**	**+10,690**	**−24,088**	**−107,838**	**−132,130**	**−152,657**
Developed countries [3]	64,780	130,848	135,884	134,018	141,447	56,700	125,306	200,714	223,314	245,967	+8,080	+5,542	−64,830	−89,296	−104,520
Percent of total	60.2	59.3	62.4	62.9	65.1	58.5	51.2	61.6	64.7	66.5	(x)	(x)	(x)	(x)	(x)
Developing countries [3]	39,215	81,125	74,421	71,673	70,639	39,311	117,025	119,790	116,161	117,221	−96	−35,900	−45,369	−44,488	−46,582
Communist areas, total	3,092	7,616	7,214	7,091	5,125	891	2,496	5,221	5,801	6,773	+2,201	+5,120	+1,993	+1,290	−1,648
Unidentified countries	505	1,116	369	365	94	–	44	1	(x)	(x)	–	+1,072	+368	+365	+94
Africa	4,949	9,060	8,827	7,388	5,978	8,299	34,410	14,355	11,964	10,348	−3,350	−25,350	−5,528	−4,576	−4,370
Asia	28,223	60,168	64,533	60,745	64,532	27,252	80,296	120,132	131,884	153,869	+971	−20,131	−55,599	−71,139	−89,337
Oceania	2,340	4,876	5,745	6,399	6,659	1,508	3,392	3,558	3,819	3,717	+832	+1,484	+2,187	+2,580	+2,942
Europe	32,732	71,372	62,207	59,978	63,631	21,623	48,039	73,307	81,692	91,826	+11,109	+23,333	−11,100	−21,714	−28,195
North America	30,040	56,737	65,159	67,249	64,461	30,976	64,267	93,330	94,985	91,724	−936	−7,550	−28,171	−27,736	−27,263
South America	8,803	17,377	11,050	11,022	11,950	7,232	14,400	21,043	20,932	18,477	+1,571	+2,977	−9,993	−9,910	−6,527
Western Hemisphere	**38,843**	**74,114**	**76,209**	**78,271**	**76,411**	**38,209**	**78,687**	**114,373**	**115,916**	**110,201**	**+634**	**−4,573**	**−38,164**	**−37,645**	**−33,790**
Canada	21,744	35,395	46,524	47,251	45,333	22,151	41,459	66,478	69,006	68,253	−407	−6,064	−19,954	−21,755	−22,920
20 Latin American countries	15,655	36,030	26,302	27,850	27,968	11,847	29,952	42,341	43,448	39,541	+3,808	+6,078	−16,039	−15,598	−11,573
Other Western Hemisphere	1,444	2,688	3,383	3,170	3,110	4,210	7,277	5,554	3,462	2,408	−2,766	−4,589	−2,171	−292	+702
Central American Common Market	968	1,951	1,659	1,822	1,767	810	1,849	1,757	1,722	2,061	+158	+102	−98	−100	−294
Costa Rica	212	498	423	422	483	179	356	473	501	641	+33	+142	−50	−79	−158
El Salvador	194	272	427	445	516	182	427	390	396	385	+12	−155	+37	+49	+133
Guatemala	255	552	377	405	400	173	435	444	409	601	+82	+117	−67	−4	−201
Honduras	151	379	322	308	363	145	419	393	375	433	+6	−40	−71	−67	−70
Nicaragua	156	250	112	42	3	131	211	57	41	1	+25	+39	+55	+1	+2
Latin American Free Trade Association	13,773	32,274	22,820	24,414	24,180	10,100	26,735	38,861	39,943	35,655	+3,673	+5,539	−16,041	−15,529	−11,475
Argentina	628	2,625	900	721	944	215	741	954	1,069	856	+413	+1,884	−54	−348	+88
Bolivia	138	172	106	120	112	89	182	155	99	124	+49	−10	−49	+21	−12
Brazil	3,056	4,343	2,640	3,140	3,865	1,467	3,715	7,621	7,526	6,813	+1,589	+628	−4,981	−4,386	−2,928
Chile	530	1,353	805	682	823	138	515	741	745	820	+395	+838	+24	−63	+3
Colombia	643	1,736	1,450	1,466	1,319	596	1,241	1,146	1,331	1,874	+47	+495	+304	+137	−560
Ecuador	410	864	655	591	601	463	876	1,695	1,837	1,465	−53	−12	−1,040	−1,246	−864
Mexico	5,141	15,145	11,992	13,635	12,392	3,066	12,580	18,020	19,132	17,302	+2,075	+2,565	−6,028	−5,497	−4,910
Paraguay	33	109	64	99	171	19	81	41	24	30	+14	+28	+23	+75	+141
Peru	898	1,171	751	496	693	397	1,386	1,342	1,087	803	+499	−215	−591	−591	−110
Uruguay	51	183	80	64	100	24	97	563	557	472	+27	+86	−483	−493	−372
Venezuela	2,243	4,573	3,377	3,399	3,141	3,625	5,321	6,543	6,537	5,097	−1,382	−748	−3,166	−3,138	−1,956
Other Latin America	914	1,805	1,823	1,614	2,021	937	1,368	1,723	1,782	1,826	−23	+437	+100	+32	+195
Cuba	(z)	(z)	1	1	2	(z)	(z)	(z)	(z)	(z)	(z)	(z)	+1	+1	+2
Dominican Republic	453	795	646	742	921	634	787	1,018	992	1,085	−181	+8	−372	−240	−164
Haiti	144	311	419	306	387	107	252	377	390	375	+37	+59	+42	+8	+12
Panama	317	699	757	675	711	196	330	326	410	366	+121	+369	+429	+265	+345

Digitized by Google

	1,444	2,688	3,383	3,170	3,110	4,210	7,277	5,564	3,462	2,408	2,766	4,589	2,171	292	+ 702
Other Western Hemisphere															
Bahamas, The	208	306	555	786	761	880	1,469	1,173	626	442	− 672	− 1,073	− 618	+ 160	+ 319
Barbados	36	136	242	173	147	34	96	254	202	108	+ 2	+ 40	− 12	− 29	+ 39
Belize	26	58	53	56	59	34	60	46	47	51	− 6		− 7	+ 9	+ 8
Bermuda	63	136	225	254	236	3	13	8	7	6	+ 60	+ 123	+ 217	+ 251	+ 230
French West Indies	26	67	38	28	39	1	7	15	3	3	+ 25	+ 60	+ 23	+ 25	+ 36
Greenland	8	3	2	6	2	7	14	12	3	1	+ 1	− 11	− 10	+ 3	+ 1
Guyana	89	96	51	43	47	87	120	78	47	64	+ 2	− 24	− 27	− 4	− 17
Jamaica	361	305	495	404	457	307	383	377	273	299	+ 74	− 78	+ 116	+ 131	+ 154
Leeward and Windward Islands	41	152	209	199	225	15	36	45	95	84	+ 26	+ 116	+ 164	+ 104	+ 141
Netherlands Antilles	228	448	648	427	388	1,559	2,564	2,046	808	471	− 1,331	− 2,116	− 1,400	− 381	− 73
Suriname	79	136	100	86	84	106	109	105	60	39	− 29	+ 27	− 5	+ 26	+ 46
Trinidad and Tobago	256	690	801	504	532	1,171	2,983	1,360	1,258	793	− 915	− 1,709	− 759	− 754	− 261
Other	3	74	164	200	129	4	29	33	33	47	− 1	+ 51	+ 131	+ 167	+ 76
Western Europe	**29,045**	**67,512**	**58,019**	**56,763**	**61,642**	**20,892**	**49,602**	**71,153**	**79,756**	**89,825**	**+ 20,910**	**− 13,134**	**− 22,993**	**− 28,183**
OECD [4]	29,575	66,854	57,486	56,084	61,003	20,827	46,137	70,626	79,165	89,130	+ 8,948	+ 20,517	− 13,140	− 23,081	− 28,127
European Economic Community [5]	25,905	58,691	50,496	48,996	53,155	17,837	37,882	60,229	67,822	75,726	+ 8,068	+ 20,809	− 9,731	− 18,826	− 22,581
Belgium and Luxembourg	2,417	6,061	5,301	4,918	5,389	1,196	1,914	3,139	3,387	4,006	+ 1,218	+ 4,747	+ 2,162	+ 1,531	+ 1,393
Denmark	445	863	605	706	758	464	727	1,418	1,665	1,757	− 19	+ 136	− 813	− 959	− 999
France	3,031	7,485	6,037	6,096	7,216	2,164	5,265	8,113	9,482	10,129	+ 867	+ 2,220	− 2,076	− 3,366	− 2,913
Greece [6]	450	922	456	498	430	110	292	355	395	394	+ 340	+ 630	+ 101	+ 103	+ 36
Ireland	190	836	1,354	1,342	1,434	178	415	844	961	1,003	+ 412	+ 423	+ 510	+ 441	+ 431
Italy	2,867	6,511	4,975	4,625	4,838	2,457	4,325	7,935	9,674	10,607	+ 410	+ 1,166	− 3,560	− 5,049	− 5,769
Netherlands	4,193	8,669	7,554	7,269	7,848	1,066	1,913	4,069	4,041	4,066	+ 3,104	+ 6,756	+ 3,485	+ 3,188	+ 3,782
Portugal	427	911	961	685	636	157	278	477	546	552	+ 270	+ 633	+ 484	+ 149	+ 166
Spain	2,164	3,179	2,561	2,524	2,615	836	1,220	2,391	2,515	2,702	+ 1,328	+ 1,959	+ 170	+ 9	− 87
United Kingdom	4,527	12,994	12,210	11,273	11,418	3,773	9,842	14,492	14,807	15,396	+ 754	+ 2,852	− 2,262	− 3,664	− 3,978
West Germany	5,194	10,860	9,084	9,050	10,561	5,410	11,689	16,996	20,239	25,124	− 216	− 733	− 7,912	− 11,169	− 14,563
Other OECD [4]	3,670	7,862	6,989	7,091	7,850	2,791	8,255	10,401	11,343	13,395	+ 879	− 293	− 3,412	− 4,252	− 5,545
Austria	181	447	375	441	464	243	389	714	834	864	− 62	+ 58	− 339	− 393	− 400
Finland	261	505	350	436	381	149	439	782	895	906	+ 112	+ 66	− 432	− 457	− 527
Iceland	32	79	51	38	60	85	200	207	248	236	− 53	− 121	− 156	− 210	− 178
Norway	510	843	858	866	937	403	2,832	1,804	1,164	1,079	+ 107	− 1,786	− 1,045	− 498	− 142
Sweden	925	1,787	1,542	1,925	1,871	887	1,617	3,244	4,124	4,420	+ 38	+ 150	− 1,702	− 2,199	− 2,549
Switzerland	1,153	3,781	2,583	2,288	2,977	879	2,803	3,117	3,476	5,253	+ 274	+ 976	− 554	− 1,188	− 2,276
Turkey	608	540	1,249	1,295	1,160	145	175	433	602	633	+ 463	+ 965	+ 916	+ 663	+ 527
Other Western Europe	369	858	633	679	639	265	464	527	591	695	+ 104	+ 394	+ 6	+ 88	− 56
Yugoslavia	328	756	432	596	528	261	446	476	542	646	+ 67	+ 310	− 46	+ 53	− 116
Other	41	102	101	84	111	4	18	49	49	49	+ 37	+ 84	+ 52	+ 35	+ 62

See footnotes at end of table.

Digitized by Google

No. 1345. Exports, Imports, and Merchandise Trade Balance, by Continent, Area, and Country: 1975 to 1986—Continued

[In millions of dollars, except percent. See headnote, p. 770]

Continent, area, and country	Exports, domestic and foreign					General imports [1]					Merchandise trade balance				
	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986	1975	1980	1984	1985	1986
Communist areas in Europe	2,787	3,860	4,186	3,215	1,989	731	1,437	2,154	1,936	2,001	+2,056	+2,423	+2,034	+1,279	−12
Bulgaria	30	161	44	104	97	20	25	29	36	57	+10	+136	+15	+68	+40
Czechoslovakia	53	185	58	63	72	31	69	86	76	85	+22	+116	−28	−13	−13
East Germany	17	479	137	73	68	11	44	149	92	87	+6	+435	−12	−19	−19
Hungary	76	80	88	94	96	35	107	221	218	225	+41	−27	−133	−124	−127
Poland	583	714	316	238	151	243	416	220	220	233	+340	+298	+96	+18	−82
Romania	191	722	249	206	251	133	312	893	882	754	+58	+410	−644	−674	−503
Soviet Union	1,835	1,513	3,284	2,423	1,248	255	454	554	409	558	+1,580	+1,059	+2,730	+2,014	+690
Other	2	7	10	12	4	3	10	2	3	2	−1	−3	+8	+9	+2
Asia	28,223	60,166	64,533	60,745	64,532	27,252	80,299	120,132	131,884	153,869	+971	−20,131	−55,599	−71,139	−89,337
Japan	9,563	20,790	23,575	22,631	26,882	11,425	30,714	57,135	68,783	81,911	−1,862	−9,924	−33,560	−46,152	−55,029
Communist areas	306	3,756	3,027	3,876	3,136	160	1,069	3,067	3,865	4,772	+145	+2,687	−40	+11	−1,636
Near East Asia	8,263	11,900	11,133	9,709	8,415	5,401	18,672	8,062	6,267	7,890	+2,862	−6,772	+3,071	+3,442	+526
Bahrain	90	197	145	107	195	100	16	54	84	77	−10	+181	+91	+23	+118
Iran	3,244	23	162	74	34	1,398	458	700	725	569	+1,846	−435	−538	−651	−535
Iraq	310	724	664	427	528	19	460	124	474	440	+291	+264	+540	−47	+88
Israel	1,551	2,045	2,194	2,580	2,239	314	950	1,750	2,123	2,418	+1,237	+1,095	+444	+457	−179
Jordan	195	407	299	377	332	1	3	4	14	10	+194	+404	+295	+363	+322
Kuwait	366	886	636	551	657	111	494	260	184	267	+255	+392	+376	+367	+390
Lebanon	366	303	286	141	106	33	33	7	19	30	+335	+270	+279	+122	+76
Saudi Arabia	1,502	5,786	5,564	4,474	3,449	2,623	12,648	3,741	1,907	3,612	−1,121	−6,880	+1,823	+2,567	−163
Syria	128	239	104	106	59	7	26	2	3	8	+121	+213	+102	+103	+51
Other	508	1,307	1,079	872	816	796	3,564	1,420	734	459	−288	−2,277	−341	+138	+357
East and South Asia	10,095	23,722	26,798	24,530	26,099	10,267	29,854	51,868	52,969	59,296	−172	−6,132	−25,070	−28,439	−33,197
Afghanistan	19	11	7	3	8	9	6	13	7	5	+11	+5	−6	−4	+3
Burma	10	29	16	10	16	2	9	14	14	14	+8	+20	+2	−4	+2
China: Taiwan	1,659	4,337	5,003	4,700	5,524	1,946	6,854	14,768	16,396	19,791	−287	−2,517	−9,765	−11,696	−14,267
Hong Kong	808	2,686	3,062	2,786	3,030	1,573	4,739	8,266	8,396	8,891	−765	−2,053	−5,204	−5,610	−5,861
India	1,290	1,689	1,570	1,842	1,536	549	1,098	2,552	2,295	2,263	+741	+591	−982	−653	−747
Indonesia	810	1,545	1,216	795	946	2,222	5,217	5,462	4,569	3,312	−1,412	−3,672	−4,246	−3,774	−2,366
Kampuchea	66	26	1	-	-	1	(z)	(z)	-	-	+65	+26	+1	(x)	-
Laos	4	(z)	(z)	(z)	(z)	(z)	(z)	2	(z)	(z)	(z)	(z)	−2	(z)	(z)
Malaysia	393	1,337	1,856	1,539	1,730	772	2,577	2,721	2,300	2,421	−379	−1,240	−865	−761	−691
Pakistan	372	642	1,093	1,042	830	49	126	244	274	325	+323	+514	+849	+768	+505

Digitized by Google

Philippines	832	1,999	1,766	1,379	1,363	756	1,731	2,430	2,145	1,972	+76	+268	−664	−766	−609
Singapore	994	3,033	3,675	3,476	3,380	534	1,921	3,979	4,260	4,725	+460	+1,112	−304	−784	−1,345
South Korea	1,762	4,685	5,983	5,956	6,355	1,442	4,147	9,353	10,013	12,729	+320	+538	−3,370	−4,057	−6,374
Sri Lanka	36	62	92	73	66	40	126	272	282	337	−2	−64	−180	−209	−271
Thailand	357	1,263	1,113	849	936	217	816	1,326	1,428	1,748	+140	+447	−213	−579	−812
Other	681	378	345	280	379	154	484	466	590	743	+527	−106	−121	−310	−364
Oceania	**2,340**	**4,876**	**5,745**	**6,399**	**6,659**	**1,506**	**3,392**	**3,556**	**3,819**	**3,717**	**+832**	**+1,484**	**+2,187**	**+2,580**	**+2,942**
Australia	1,815	4,093	4,793	5,441	5,551	1,147	2,509	2,675	2,837	2,632	+666	+1,584	+2,118	+2,604	+2,919
New Zealand	411	599	712	727	881	245	703	791	860	962	+166	−104	−79	−133	−101
Other Oceania	114	184	240	231	227	116	180	92	122	103	−2	+4	+148	+109	+124
Africa	**4,949**	**9,060**	**8,827**	**7,388**	**5,978**	**8,299**	**34,410**	**14,355**	**11,964**	**10,348**	**−3,350**	**−25,350**	**−5,522**	**−4,576**	**−4,370**
Algeria	632	542	520	430	453	1,359	6,577	3,638	2,333	1,831	−727	−6,035	−3,118	−1,903	−1,378
Angola	53	111	103	137	86	425	742	1,010	1,054	678	−372	−631	−907	−917	−592
Cameroon	30	93	66	69	48	18	605	721	324	305	+12	−512	−651	−255	−257
Central African Republic	1	1	1	1	1	5	9	3	1	4	−4	−8	−2	(Z)	−3
Egypt	683	1,674	2,704	2,323	1,982	28	539	170	79	112	+655	+1,335	+2,534	+2,244	+1,870
Ethiopia	70	72	174	203	104	49	87	82	43	73	+21	−15	+92	+160	+31
Gabon	59	46	36	91	25	197	343	660	502	207	−138	−295	−644	−411	−182
Ghana	100	127	46	54	84	151	206	47	90	191	−51	−79	−1	−36	−107
Ivory Coast	76	185	65	70	60	157	288	469	525	425	−79	−103	−404	−455	−365
Kenya	49	141	74	97	70	36	54	64	92	141	+13	+87	+10	+5	−71
Liberia	90	113	97	73	65	96	128	99	83	82	−6	−15	+1	−10	−17
Libya	232	509	200	311	46	1,045	6,595	9	44	2	−813	−6,086	+191	+267	+44
Madagascar	7	7	39	33	25	46	91	71	53	63	−39	−84	−32	−20	−36
Mauritania	14	20	9	26	16	(Z)	(Z)	1	(Z)	2	13	19	+6	+26	+14
Morocco	200	344	526	279	487	10	35	34	39	43	+190	+309	+492	+240	+444
Mozambique	18	69	23	56	23	36	105	24	16	19	−16	−36	−1	+40	+4
Nigeria	536	1,150	577	676	409	3,281	11,105	2,508	3,002	2,530	−2,745	−9,955	−1,931	−2,326	−2,121
South Africa	1,302	2,463	2,265	1,205	1,159	840	3,321	2,488	2,071	2,365	+462	−858	−223	−866	−1,206
Sudan	103	142	136	243	90	6	17	20	9	22	+95	+125	+116	+234	+66
Tanzania	66	62	44	46	38	29	32	12	10	12	+37	+30	+32	+36	+26
Tunisia	90	173	434	256	163	26	60	30	13	11	+64	+113	+404	+243	+152
Uganda	15	12	3	5	4	61	126	93	113	133	−46	−114	−90	−108	−129
Zaire	198	155	82	105	105	67	418	502	401	221	+121	−263	−420	−296	−116
Zambia	86	98	91	60	35	(Z)	200	124	58	65	86	−102	−33	+2	−30
Other	251	549	512	539	400	331	727	1,457	1,009	811	−80	−178	−945	−470	−411

- Represents zero. Z Less than $500,000. [1] Imports: 1960, f.a.s basis; other years, customs value basis. Exports are f.a.s. value. [2] Includes revisions not carried to area values; therefore, area values will not add to total. [3] Developed countries include Canada, Western Europe, Japan, Australia, New Zealand, and South Africa; developing countries include rest of the world excluding Communist areas in Europe and Asia. Assignment of countries generally follows that made by United Nations. (See table 1378.) [4] OECD = Organization of Economic Cooperation and Development. [5] As of 1981, Greece, became a member of EEC, as of 1986 Spain and Portugal became members of EEC. For consistency, data for all years are shown on same basis.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

Digitized by Google

No. 1346. U.S. Exports and Imports for Consumption of Merchandise, by Customs Region and District: 1970 to 1986

[In billions of dollars. Exports are f.a.s. (free alongside ship) value all years; imports are on customs value basis for years 1982 to present; f.a.s. value basis prior to 1982. *See Historical Statistics, Colonial Times to 1970*, series U 264–273, for related data]

CUSTOMS REGION AND DISTRICT	EXPORTS							IMPORTS FOR CONSUMPTION						
	1970	1980	1982	1983	1984	1985	1986	1970	1980	1982	1983	1984	1985	1986
Total [1]	43.2	220.8	212.3	200.5	217.9	213.1	217.3	40.0	244.0	242.3	258.0	323.0	343.6	368.7
Boston, MA region	3.3	14.3	13.7	14.9	17.7	17.5	18.3	5.7	21.6	24.3	27.5	36.2	37.0	40.3
Portland, ME	.1	4.3	.5	.7	.7	.6	.6	.3	1.6	1.8	1.8	2.3	2.3	2.7
St. Albans, VT	.2	.7	.7	.7	1.1	1.1	1.3	.4	1.6	1.8	2.0	2.5	2.7	2.7
Boston, MA	.4	.8	2.7	2.6	2.8	3.0	3.8	1.0	5.0	5.4	6.4	8.1	8.2	9.2
Providence, RI	(Z)	2.5	.2	.1	(Z)	(Z)	(Z)	.1	.6	1.0	1.0	.9	1.0	1.3
Bridgeport, CT	(Z)	.2	.1	.1	.1	.1	(Z)	.2	.9	1.1	1.2	1.7	1.3	1.4
Ogdensburg, NY	.9	3.8	3.1	3.7	4.5	4.1	4.4	1.1	4.6	4.7	5.6	7.1	6.8	7.5
Buffalo, NY	1.7	6.3	6.3	7.0	8.5	8.4	8.2	2.7	7.4	8.4	9.2	13.7	14.7	15.5
New York, NY region	10.0	38.9	31.2	29.0	31.3	28.5	33.4	10.1	43.4	41.2	46.5	59.2	60.5	67.0
Baltimore, MD region	3.9	21.5	21.5	16.8	13.7	13.4	12.1	3.9	26.8	24.3	23.3	29.7	31.1	31.3
Philadelphia, PA	.7	3.2	3.1	2.3	2.1	2.0	1.9	1.9	15.6	14.3	13.4	15.8	15.8	13.7
Baltimore, MD	1.3	9.0	8.6	7.1	5.8	5.5	4.9	1.4	6.0	5.4	5.5	8.5	8.8	11.0
Norfolk, VA [2]	1.8	8.9	9.3	7.1	5.4	5.4	5.3	.6	4.7	4.3	4.1	5.0	6.0	5.8
Washington, DC	.1	.3	.5	.2	.4	.5	(Z)	.1	.4	.4	.3	.4	.5	.8
Miami, FL region	2.0	17.6	18.5	15.7	18.5	17.8	18.6	2.4	19.0	19.7	21.3	26.3	27.0	31.5
Wilmington, NC	.2	1.3	1.6	1.3	1.3	1.3	1.2	.2	1.1	1.3	1.3	1.7	1.9	2.4
Charleston, SC [3]	.2	3.1	2.8	2.5	2.9	2.9	3.0	.3	1.8	1.8	2.3	3.0	3.3	4.9
Savannah, GA	.4	2.4	2.7	2.9	3.7	3.4	3.8	.3	2.2	2.9	3.5	4.7	5.1	6.4
Tampa, FL	.2	2.8	2.2	2.1	2.8	2.8	2.1	.6	3.7	4.1	4.8	5.7	6.6	7.8
San Juan, PR	.1	.9	1.3	1.3	1.4	1.2	1.3	.6	3.7	2.9	3.5	4.3	4.0	3.8
Virgin Islands	(NA)	.1	.5	.2	.2	.1	(Z)	(NA)	.1	4.4	4.0	2.6	2.5	1.7
Miami, FL	.7	6.9	7.4	5.5	6.2	6.1	7.2	.4	2.6	3.1	3.3	4.3	4.4	5.2
New Orleans, LA region	3.9	22.0	21.3	19.6	18.1	15.0	14.4	1.6	25.5	20.4	16.3	17.7	17.5	17.1
Mobile, AL [3]	.5	2.6	2.1	1.4	1.2	1.1	1.3	.3	3.0	2.3	3.2	3.4	2.8	2.9
New Orleans, LA	3.5	19.5	19.2	18.2	16.8	13.9	13.1	1.4	22.5	18.1	13.0	14.3	14.7	14.6
Houston, TX region	4.0	28.3	27.3	22.5	25.1	23.6	21.7	1.8	34.7	30.0	28.1	31.9	29.7	27.7
Port Arthur, TX	.5	2.0	2.0	1.5	1.7	.8	.7	1	9.4	4.2	5.0	5.2	2.7	1.2
Laredo, TX	1.1	8.3	6.1	4.4	6.4	7.2	6.3	.4	2.7	3.2	4.0	4.6	4.8	5.7
El Paso, TX	.2	1.6	1.3	1.4	1.8	2.1	2.3	.2	1.4	1.8	1.9	2.2	2.5	3.0
Houston/Galveston, TX	2.4	15.7	17.5	14.6	14.7	12.5	11.2	1.1	20.1	19.8	15.7	17.8	17.8	14.5
Dallas/Fort Worth, TX	(NA)	.5	.5	.6	.8	1.0	1.2	(NA)	1.2	1.3	1.5	2.2	2.4	3.2
Los Angeles, CA region	2.5	17.0	18.4	18.7	20.7	21.9	22.2	3.3	22.2	24.8	28.3	34.6	47.9	53.1
San Diego, CA	.3	1.4	1.4	.9	1.4	1.6	1.5	.2	1.0	1.1	1.2	1.6	1.8	2.2
Nogales, AZ	.1	.8	.7	.6	.9	.8	.8	.2	1.2	1.7	1.7	1.9	2.0	2.4
Los Angeles, CA	2.1	14.8	16.3	17.1	18.4	19.5	19.9	2.9	20.0	22.0	25.4	31.1	44.1	48.5
San Francisco, CA region	4.9	29.3	26.6	27.6	29.3	30.1	32.1	3.6	25.0	26.5	30.2	38.1	38.5	44.1
San Francisco, CA	1.8	10.6	11.4	11.3	12.4	11.3	11.4	1.3	8.3	9.5	11.2	16.2	15.5	19.1
Portland, OR	.8	3.8	3.3	3.7	4.1	3.5	3.2	.4	2.6	2.6	2.8	3.6	3.8	4.7
Seattle, WA	1.9	12.0	8.9	10.0	10.1	12.1	14.9	1.3	9.2	9.3	9.9	12.7	13.4	15.3
Anchorage, AK	.1	1.0	1.3	1.1	1.1	1.3	1.3	.1	.2	.3	.4	.3	.2	.3
Honolulu, HI	.1	.2	.2	.2	.3	.4	.2	.2	1.8	1.7	1.8	1.4	1.6	1.4
Great Falls, MT	.2	1.8	1.4	1.2	1.4	1.5	1.1	.3	3.2	3.4	3.8	3.9	4.0	3.5
Chicago, IL region	6.2	28.4	24.6	27.6	29.3	34.0	33.7	7.3	25.6	31.0	35.2	42.7	52.4	54.8
Pembina, ND	.4	2.3	2.1	2.0	2.3	2.2	2.3	.5	3.0	3.1	2.5	3.4	3.2	2.6
Minneapolis, MN	(Z)	.1	.1	.2	.2	.2	.2	.1	.3	.5	.5	.8	1.0	1.2
Duluth, MN	.3	1.5	1.0	1.0	1.6	.9	.8	.5	3.0	2.6	2.9	3.3	3.0	2.4
Milwaukee, WI	.1	.4	.2	.2	.2	.3	.1	.1	.4	.5	.8	.9	1.0	.9
Detroit, MI	4.1	14.6	15.1	17.9	22.6	22.8	21.3	4.2	12.7	16.3	19.9	25.9	27.4	27.9
Chicago, IL	.8	4.2	4.3	4.7	5.1	5.4	6.1	1.2	4.1	5.2	5.8	10.1	11.4	12.3
Cleveland, OH	.5	1.8	1.8	1.7	1.9	2.1	2.7	.6	1.5	1.7	2.1	2.8	3.9	5.4
St. Louis, MO	(Z)	.2	.1	.1	.1	.1	.2	.1	.9	1.1	.8	1.4	1.6	2.0

NA Not available. Z Less than $50 million. [1] Totals shown for exports reflect the value of estimated parcel post and Special Category shipments which are not distributed by customs region/district. Beginning 1984, the value of bituminous coal exported through Norfolk, VA; Charleston, SC; and Mobile, AL is reflected in the total but not distributed by region/district. Total bituminous coal exports for the 3 customs districts were valued at $2.3 billion in 1984, $2.6 billion in 1985 and $2.3 billion in 1986. Totals shown for imports include estimated shipments not distributed by region/district. [2] Beginning 1984, excludes exports of bituminous coal.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990, monthly.

No. 1347. Export and Import Unit Value Indexes—Selected Countries: 1979 to 1986

[Indexes in U.S. dollars, 1980 = 100. A unit value is an implicit price derived from value and quantity data]

COUNTRY	EXPORT UNIT VALUE							IMPORT UNIT VALUE						
	1979	1981	1982	1983	1984	1985	1986	1979	1981	1982	1983	1984	1985	1986
United States	88	109	110	112	113	112	113	80	106	104	100	101	99	96
Australia	86	102	95	90	88	79	77	78	103	97	93	93	88	83
Austria	92	86	84	80	74	73	97	88	90	84	79	74	74	82
Belgium	90	86	80	76	72	71	85	86	90	84	80	77	75	84
Canada	85	104	102	102	101	98	93	86	108	109	109	111	108	105
Denmark	95	90	86	81	77	78	99	89	93	87	82	78	78	80
France	90	88	83	79	77	76	(NA)	84	92	85	79	76	76	(NA)
Italy	85	92	89	85	81	81	98	80	103	97	91	87	86	91
Norway	75	100	95	87	85	84	74	87	92	96	79	72	73	95
Sweden	87	91	82	75	75	74	89	87	92	84	77	74	73	91
Switzerland	91	88	88	86	81	76	102	83	83	79	77	72	71	89
United Kingdom	80	94	88	82	78	79	93	83	93	88	82	79	79	80
West Germany	91	86	83	80	74	75	98	85	92	86	81	77	77	87

NA Not available

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

Digitized by Google

No. 1348. Percent Distribution of U.S. Domestic Exports and General Imports, by Broad Commodity Groups: 1970 to 1986

Commodity group	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Exports:												
Food and live animals	10.2	14.6	11.9	13.0	12.5	12.8	13.2	11.8	12.1	11.5	9.3	8.4
Beverages and tobacco	1.6	1.2	1.8	1.6	1.3	1.2	1.3	1.5	1.4	1.3	1.4	1.4
Crude materials, inedible [1]	10.8	9.2	11.0	11.0	11.6	11.0	9.2	9.3	9.3	9.5	8.2	8.4
Mineral fuels and related materials	3.7	4.2	3.5	2.8	3.1	3.7	4.5	6.1	4.7	4.4	4.8	3.9
Chemicals	9.0	8.2	9.1	8.9	9.7	9.6	9.3	9.8	9.8	10.5	10.5	11.0
Machinery and transport equipment	42.0	43.0	42.2	42.0	39.5	39.1	41.8	42.1	41.2	42.4	45.8	46.2
Other manufactured goods	17.9	15.6	16.0	16.1	16.2	17.8	16.3	15.8	15.2	14.5	14.2	14.8
General imports:												
Food and live animals	13.5	8.8	8.5	7.9	7.4	6.4	5.8	5.9	6.0	5.5	5.4	5.6
Beverages and tobacco	2.1	1.5	1.1	1.3	1.2	1.1	1.2	1.4	1.3	1.1	1.1	1.0
Crude materials, inedible [1]	8.3	5.8	5.7	5.4	5.2	4.3	4.3	3.5	3.7	3.4	3.0	2.8
Mineral fuels and related materials	7.7	27.5	30.2	24.5	29.1	33.9	31.2	26.8	22.5	18.7	15.8	10.1
Chemicals	3.6	3.8	3.4	3.7	3.8	3.5	3.8	3.9	4.2	4.2	4.2	4.1
Machinery and transport equipment	28.0	24.4	24.7	27.7	26.0	24.7	26.8	30.1	33.4	36.6	39.8	43.7
Other manufactured goods	33.3	24.9	23.8	26.9	24.8	22.9	24.3	25.1	31.7	27.2	27.5	28.5

[1] Excludes fuels.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, Report FT 990, monthly. Also in U.S. Dept. of Commerce, International Trade Administration, *Overseas Business Reports, U.S. Foreign Trade*, annual.

No. 1349. Domestic Exports, by Selected Commodity Groups: 1970 to 1986

[**In millions of dollars.** Totals and subtotals include data for commodities not shown separately. Beginning 1975, exports include nonmonetary gold. Commodity data beginning 1979 are not strictly comparable with previous years due to changes in export classifications; see source for changes. Beginning 1980, includes trade of Virgin Islands with foreign countries (see footnote 1 for exception). "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 274–294]

Commodity group	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
U.S. merchandise	42,590	106,561	178,578	[1] 216,668	228,961	207,158	195,969	212,057	206,925	206,376
Food and live animals	4,356	15,484	22,245	27,744	30,291	23,950	24,166	24,463	19,268	17,303
Meat and preparations	175	528	1,127	1,293	1,482	1,285	1,191	1,208	1,153	1,424
Meat, fresh, chilled, or frozen	147	491	1,057	1,217	1,389	1,194	1,110	1,129	1,090	1,365
Dairy products and eggs	137	134	161	255	433	409	373	368	388	407
Grains and preparations	2,596	11,642	14,450	18,079	19,457	14,747	15,152	16,076	11,050	7,368
Wheat and wheat flour	1,112	5,293	5,491	6,586	8,073	6,869	6,509	6,698	3,780	3,217
Rice	314	858	850	1,285	1,526	997	926	845	665	621
Coarse grains	1,072	5,272	7,804	9,866	9,501	6,420	7,231	8,241	6,251	3,132
Corn	824	4,448	7,022	8,570	8,014	5,682	6,480	7,081	5,319	2,718
Grain sorghums	196	699	686	1,080	1,174	720	747	860	839	389
Fruits and nuts	406	871	1,525	1,938	1,983	1,776	1,701	1,676	1,710	1,876
Fruit, fresh	164	404	624	716	802	730	761	686	693	780
Vegetables	178	406	605	992	1,131	937	744	759	667	781
Feed for animals	497	987	2,317	2,878	2,739	2,473	2,802	2,226	1,691	2,622
Beverages and tobacco	702	1,308	2,337	2,863	2,915	3,026	2,813	2,849	2,958	2,920
Tobacco and manufactures	679	1,253	2,146	2,426	2,723	2,845	2,647	2,704	2,789	2,732
Leaf tobacco	481	852	1,184	1,334	1,457	1,547	1,462	1,511	1,521	1,209
Cigarettes	159	368	909	1,055	1,229	1,235	1,126	1,120	1,180	1,298
Crude materials, inedible, exc. fuels	4,605	9,764	20,755	23,791	20,993	19,248	18,596	20,249	16,939	17,324
Hides and skins, except fur skins	145	295	992	894	700	778	807	1,171	1,068	1,314
Fur skins, undressed	42	115	340	352	325	244	203	212	207	207
Soybeans	1,216	2,865	5,708	5,883	6,200	6,240	5,925	5,438	3,906	4,334
Synthetic rubber	176	261	578	695	624	553	543	624	584	849
Wood in the rough [2]	366	751	1,782	2,002	1,426	1,522	1,366	1,372	1,448	1,418
Wood shaped or simply worked	193	413	1,015	1,060	933	811	914	841	760	994
Lumber, softwood	162	342	778	778	653	576	602	530	493	640
Woodpulp	464	875	1,104	1,652	1,661	1,415	1,432	1,502	1,343	1,662
Textile fibers and wastes	543	1,345	3,046	3,929	3,402	2,817	2,593	3,343	2,476	1,602
Raw cotton, excluding linters	372	991	2,198	2,864	2,260	1,955	1,817	2,441	1,633	773
Ores and metal scrap	940	1,355	3,325	4,518	2,718	2,174	2,276	2,666	2,692	2,802
Iron and steel scrap	447	780	1,142	1,226	639	610	637	918	917	1,054
Ores and scrap, nonferrous base	397	461	1,920	1,223	899	690	451	560	517	480
Mineral fuels and related materials	1,595	4,470	5,816	7,982	10,279	12,729	9,500	9,311	9,971	8,114
Coal	962	3,259	3,328	4,621	5,909	5,987	4,051	4,132	4,464	3,928
Petroleum and products	488	908	1,914	2,833	3,696	5,947	4,557	4,470	4,707	3,839
Lubricating oils	175	275	639	793	799	345	667	568	549	802
Animal and vegetable oils and fats	493	944	1,845	1,946	1,750	1,541	1,459	1,922	1,434	1,015
Tallow, inedible	176	299	655	677	645	572	568	617	536	350
Soybean oil	192	266	776	689	474	486	447	742	431	253

See footnotes at end of table

Digitized by Google

No. 1349. Domestic Exports, by Selected Commodity Groups: 1970 to 1986—Continued

[In millions of dollars. See headnote, p. 775]

Commodity group	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Chemicals and related products	**3,826**	**8,091**	**17,306**	**20,740**	**21,187**	**19,890**	**19,751**	**22,336**	**21,759**	**22,766**
Chemical elements and compounds	1,642	3,623	7,704	2,106	2,285	1,969	1,838	2,183	1,967	1,771
Dyeing, tanning, coloring materials	137	244	450	490	524	494	491	493	461	507
Medicinal, pharmaceutical prod	420	866	1,591	1,932	2,165	2,275	2,494	2,628	2,708	3,090
Fertilizers, manufactured	178	1,083	1,404	2,265	1,735	1,386	1,267	1,815	2,160	1,935
Plastic materials and resins [5]	653	1,166	3,241	3,884	3,809	3,650	3,732	4,050	3,777	4,301
Machinery and transport equip	**17,882**	**45,668**	**70,491**	**84,628**	**95,736**	**87,148**	**82,578**	**89,973**	**94,278**	**95,290**
Machinery [6]	11,685	29,215	45,914	57,263	64,426	59,821	54,695	61,464	60,573	60,809
Power generating machinery	1,405	3,551	6,839	8,426	9,465	9,461	8,716	9,114	9,272	9,165
Agricultural machinery	182	704	1,088	1,295	1,420	1,127	832	965	854	772
Tractors and parts	750	2,126	2,720	2,150	2,296	1,760	1,389	1,921	1,832	1,155
Electronic computers, parts and accessories	1,236	2,228	5,671	7,763	6,741	9,159	10,599	13,461	13,841	14,514
Other office machines [5]	311	411	804	946	1,069	1,048	1,070	1,131	1,087	866
Metalworking machinery	396	922	1,391	1,756	2,158	1,611	1,121	1,175	1,249	1,467
Metalcutting machines	213	344	350	397	574	345	204	217	246	307
Textile, leather machinery	273	486	628	693	685	554	453	520	496	554
Construction, excavating, and maintenance equipment	434	1,277	1,234	2,076	2,189	1,553	782	760	820	3,775
Materials handling equipment	607	1,846	1,744	2,243	2,438	1,592	946	911	924	873
Air-conditioning and refrigerating equipment	397	928	1,468	1,523	1,694	1,487	1,268	1,309	1,199	1,121
Pumping equipment, incl. parts	241	543	893	1,091	1,248	1,246	1,003	1,025	1,000	910
Pipe valves and parts	196	458	657	629	936	854	716	673	610	609
Power machinery, switchgear	611	1,709	3,140	3,254	3,835	3,624	3,221	3,652	3,381	3,496
Generators, generating sets	117	548	487	619	745	686	376	590	330	307
Transforming, converting, transmission apparatus	156	417	553	914	1,116	1,325	926	995	937	937
Telecommunications apparatus	660	1,574	2,957	3,454	3,856	3,864	3,804	3,943	4,167	4,407
Radio, television apparatus	576	1,339	2,148	2,238	2,525	2,430	590	588	676	619
Domestic electrical equipment	119	359	666	796	841	673	611	626	550	542
Transport equipment [6]	6,197	16,452	24,577	27,366	31,310	26,666	27,298	28,509	33,706	34,026
Railway vehicles	91	462	384	452	468	433	402	584	426	538
Road motor vehicles, parts [6]	3,245	9,290	13,904	13,117	14,733	12,751	13,492	17,651	19,445	17,695
Automobiles, nonmilitary, new	822	2,852	4,611	3,919	3,919	2,860	4,200	4,868	6,020	6,254
Trucks and tractor trucks, commercial, new	452	1,712	1,583	1,467	1,618	1,186	1,042	1,666	2,183	1,996
Parts, accessories, commercial	1,603	3,620	6,147	6,058	7,395	6,939	7,531	9,069	9,378	8,492
Aircraft, parts, and accessories	2,656	6,136	9,719	12,616	14,738	11,775	12,189	10,914	14,373	15,106
Civilian aircraft	1,528	3,169	6,177	6,256	6,613	4,848	7,531	4,147	6,894	14,731
Other manufactured goods	**7,636**	**16,592**	**26,879**	**36,602**	**37,381**	**32,700**	**30,097**	**30,639**	**29,347**	**30,834**
Tires and tubes	186	544	353	511	564	372	304	392	343	315
Paper and manufactures	622	1,447	1,967	2,831	2,961	2,653	2,553	2,620	2,329	2,602
Paper and paperboard	526	1,131	1,430	2,162	2,192	1,877	1,843	1,914	1,722	1,992
Nonmetallic mineral mfrs., n.e.c.	475	964	1,949	2,209	2,194	1,804	1,770	1,865	1,821	1,886
Metals and manufactures	2,978	5,661	7,926	12,071	10,244	8,243	6,954	6,979	6,265	7,081
Iron and steelmill products [7]	1,188	2,382	2,227	2,998	2,801	2,101	1,415	1,248	1,152	1,020
Plates and sheets	335	327	567	936	663	372	295	284	270	291
Tubes, pipes, and fittings	226	1,412	1,077	1,080	1,252	1,214	731	605	510	391
Silver bullion, refined	31	104	238	1,327	181	106	169	86	82	57
Nonferrous base metals	893	1,090	1,745	2,964	2,046	1,768	1,606	1,634	1,798	1,195
Copper	358	333	425	434	388	322	386	395	299	682
Aluminum	358	433	899	2,022	1,297	1,026	1,010	990	937	816
Metal manufactures, n.e.c.	744	1,891	3,431	4,205	4,769	3,981	3,443	3,602	3,253	3,008
Tools for hand or machine	204	480	693	856	932	810	671	678	686	581
Textiles, other than clothing	603	1,624	3,189	3,632	3,619	2,784	2,368	2,382	2,366	2,570
Textile yarn and thread	145	298	621	753	902	711	533	547	628	573
Cotton broad-woven fabrics	103	376	626	566	349	253	201	193	204	301
Textile fabrics, woven, exc. cotton	151	386	721	832	797	522	430	424	388	466
Clothing	196	403	931	1,183	1,208	931	796	776	754	879
Professional, scientific, and controlling instruments [8]	857	1,792	4,289	5,256	5,980	6,003	5,856	6,198	6,505	6,732
Photographic supplies	250	606	1,227	1,507	1,501	1,396	1,366	1,464	1,313	1,416
Printed matter	327	548	956	1,097	1,297	1,341	1,324	1,391	1,279	1,342
Other transactions	**1,496**	**3,621**	**9,103**	**8,498**	**8,428**	**6,924**	**7,009**	**10,116**	**10,970**	**11,011**
Firearms of war and ammunition	662	1,361	1,654	2,006	2,165	3,261	3,092	2,971	2,653	2,282
Estimated shipments [9]	692	1,572	1,796	2,119	2,368	1,698	1,597	4,353	5,742	5,795

[1] Includes revisions not carried to commodity groups; therefore commodity groups will not add to total. [2] Beginning 1979, includes pulpwood chips, formerly classified in "Other manufactured goods" under "Wood and manufactures." [3] Beginning 1979, includes rubber materials, formerly classified in "Other manufactured goods" under "Rubber manufactures." [4] Includes parts for tractors. [5] Beginning 1979, includes photocopy apparatus, formerly classified in "Other manufactured goods" under "Photographic and motion picture equipment." [6] Excludes parts for tractors. [7] Excludes pig iron. [8] Beginning 1979, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, and controlling instruments"; formerly classified under "Machinery." [9] Beginning 1984, includes exports valued $10,000 and under reported without a valid schedule B commodity number; beginning 1985, includes estimates of export shipments valued under $1,001.

Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E—Commodity by County*, FT 410, monthly

Digitized by Google

No. 1350. General Imports, by Selected Commodity Groups: 1970 to 1986

[**In millions of dollars.** Imports are customs value basis for years 1982 to present; f.a.s. (free alongside ship) value basis prior to 1982. Totals and subtotals include value of commodities not shown separately. Beginning 1980, includes trade of Virgin Islands with foreign countries. "N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series U 295–316]

COMMODITY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
General imports	39,952	96,573	206,326	244,871	261,305	243,952	258,048	325,726	345,276	369,961
C.i.f. values [1]	*42,429*	*103,389*	*218,927*	*256,984*	*273,352*	*254,884*	*269,878*	*341,177*	*361,626*	*387,081*
Food and live animals	5,375	8,503	15,171	15,766	15,238	14,453	15,412	17,973	18,649	20,802
Cattle, except for breeding	111	77	249	228	182	289	301	279	301	426
Meat and preparations	1,014	1,141	2,539	2,346	1,996	2,075	2,034	2,034	2,237	2,367
Meat, fresh or frozen	647	640	1,896	1,756	1,150	1,525	1,384	1,381	1,533	1,655
Ham, shoulders, and bacon [2]	241	397	395	336	325	349	399	399	438	482
Fish, including shellfish	794	1,356	2,639	2,612	2,962	3,143	3,594	3,671	3,985	4,691
Fruits and nuts	447	627	1,324	1,245	1,604	1,774	1,855	2,673	2,717	2,761
Bananas	188	220	383	416	542	581	569	627	723	709
Vegetables	289	355	737	802	983	1,042	1,065	1,218	1,261	1,420
Sugar	725	1,865	974	1,987	2,142	863	1,046	1,258	936	670
Coffee, green	1,160	1,561	3,820	3,872	2,622	2,790	2,590	3,064	3,130	4,293
Cocoa or cacao beans	201	321	555	395	466	323	349	411	564	418
Tea	53	88	126	131	133	129	132	203	166	133
Beverages and tobacco	855	1,419	2,566	2,784	3,138	3,364	3,408	3,653	3,727	3,866
Alcoholic beverages	725	1,033	2,013	2,232	2,399	2,513	2,626	2,853	2,966	3,066
Tobacco, unmanufactured	111	343	436	422	427	445	464	625	535	591
Crude materials, inedible, except fuels	3,307	5,566	10,650	10,516	11,193	8,589	9,590	11,082	10,391	10,432
Hides and skins, except fur skins	51	78	139	88	101	71	64	70	74	65
Fur skins, undressed	59	79	183	143	168	127	126	160	173	145
Rubber, including latex	231	353	1,058	960	980	735	909	1,132	854	921
Lumber, softwood	439	797	2,727	1,984	1,880	1,636	2,590	2,687	2,909	2,984
Lumber, hardwood	61	69	183	145	149	96	127	161	166	153
Woodpulp	480	1,032	1,506	1,725	1,778	1,485	1,470	1,845	1,499	1,604
Textile fibers and wastes	202	174	231	242	343	264	312	387	348	358
Wool and other animal hair	116	73	134	146	210	152	176	211	186	186
Industrial diamonds	39	42	116	119	118	80	96	106	136	105
Asbestos, unmanufactured	75	117	144	97	108	65	58	65	44	27
Ores and metal scrap	1,149	1,978	3,247	3,715	3,838	2,684	2,498	2,890	2,331	2,148
Iron ore and concentrates	480	864	923	773	951	497	452	534	468	469
Silver ore and base bullion	49	98	166	342	250	176	242	202	137	130
Nonferrous base metals [3]	522	783	1,672	2,291	1,722	1,552	1,306	1,606	1,290	1,020
Bauxite, crude	165	267	410	432	449	383	250	311	210	189
Mineral fuels and related materials	3,075	26,476	60,061	82,924	81,417	65,409	57,952	60,980	53,917	37,310
Petroleum and products	2,764	24,814	56,046	77,637	75,577	59,396	52,325	55,906	49,607	34,140
Petroleum, crude and partly refined	1,448	19,293	46,100	65,717	61,940	45,862	36,809	36,529	33,034	22,720
Petroleum products	1,316	5,521	9,946	11,920	13,637	13,535	15,516	19,377	16,572	11,101
Natural gas	258	1,081	2,765	5,155	5,720	5,934	5,530	4,923	4,136	2,994
Animal and vegetable oils and fats	160	554	740	533	479	406	495	696	672	516
Chemicals and related products, n.e.c.	1,450	3,696	7,485	8,593	9,446	9,493	10,779	13,697	14,533	15,001
Organic chemicals	355	1,027	2,159	2,541	2,974	2,960	3,477	4,265	4,576	4,704
Inorganic chemicals [3]	371	835	2,059	2,313	2,359	2,645	2,568	3,458	3,401	3,276
Medicinal and pharmaceutical products	87	235	441	509	583	563	703	931	1,084	1,240
Fertilizers, manufactured	192	626	976	1,104	1,181	983	997	1,142	967	885
Machinery and transport equipment	11,172	23,457	53,678	60,558	69,627	73,320	96,131	119,192	137,264	161,582
Machinery	5,375	11,970	28,590	32,286	38,546	39,457	46,975	68,390	75,299	87,549
Engines and parts	782	1,615	3,004	1,866	2,251	2,611	3,570	6,348	8,849	8,482
Agricultural machinery	173	474	698	686	539	485	475	588	577	613
Tractors and parts	175	571	1,197	1,049	946	757	924	1,296	811	1,331
Office machines and data processing equipment	505	1,052	2,500	2,929	3,563	4,299	6,759	10,781	11,562	14,669
Metalworking machinery	164	361	1,123	1,425	1,613	1,488	1,480	2,025	2,759	3,249
Textile and leather machinery	361	518	630	889	974	924	1,059	1,262	1,105	1,447
Power machinery	247	550	1,708	2,039	2,379	2,547	2,974	7,291	8,849	9,802
Telecommunications apparatus	1,102	2,077	6,175	6,716	8,910	9,051	11,278	15,934	18,659	20,720
Electron tubes, transistors, semiconductor devices, and parts	224	899	2,719	3,592	3,959	4,524	5,386	8,228	8,227	6,540
Transport equipment	5,798	11,487	25,148	28,260	31,415	33,863	39,156	50,802	61,965	74,033
Automobiles and parts	5,068	9,921	22,053	24,015	26,113	29,218	34,870	45,284	45,476	66,201
Automobiles, new	3,722	7,134	14,813	16,776	17,540	19,757	22,934	29,206	36,475	45,302
Motorcycles	307	707	808	1,149	1,263	1,019	659	731	954	736
Aircraft and parts	274	519	1,078	1,885	2,585	2,481	2,051	3,011	3,578	4,494
Other manufactured goods	13,285	23,927	51,071	55,970	63,471	61,209	66,539	88,625	94,982	105,559
Leather manufactures and dressed furs	118	132	426	393	567	523	582	758	406	808
Rubber tires and tubes	205	475	1,136	1,143	1,331	1,239	1,406	1,839	1,923	1,986
Wood manufactures (excl. furniture)	409	573	1,391	1,133	1,199	991	1,335	1,546	780	1,777
Paper and manufactures	1,087	1,673	3,356	3,587	3,874	3,646	4,216	5,571	5,977	6,360
Newsprint	930	1,427	2,322	2,685	2,871	2,749	2,759	3,299	3,693	3,682
Construction materials [4]	106	186	638	550	585	507	828	940	1,158	1,356
Glass, glassware, and pottery	338	531	1,097	1,228	1,349	1,351	1,602	1,486	2,195	2,492
Diamonds, excluding industrial	439	730	1,862	2,252	2,198	1,917	2,275	2,905	3,006	3,459

See footnotes at end of table.

Digitized by Google

No. 1350. General Imports, by Selected Commodity Groups: 1970 to 1986—Continued

[In millions of dollars. See headnote, p. 777]

COMMODITY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Other manufactured goods—Con.										
Metals and manufactures	4,508	8,944	17,457	18,717	22,333	19,227	18,717	24,964	23,834	23,616
Pig iron and ferroalloys	78	558	702	678	863	428	453	664	468	621
Iron and steelmill products	1,952	4,037	6,764	6,692	10,347	9,184	6,338	10,208	10,266	8,168
Bars, rods, shapes, and pilings	486	930	1,524	1,420	1,747	1,469	1,307	1,865	1,775	1,603
Plates and sheets	906	1,680	3,071	2,505	2,998	2,542	2,993	4,566	4,237	3,838
Steel wire	119	225	320	293	288	242	287	226	438	208
Tubes, pipes, and fittings	349	1,008	1,543	2,193	4,836	4,466	1,366	2,833	2,445	1,592
Nonferrous base metals	1,502	2,063	4,678	5,182	5,270	4,018	4,785	6,252	7,008	5,753
Copper	532	419	984	1,470	1,279	988	1,341	1,512	1,146	1,377
Nickel	317	456	635	885	868	568	524	600	604	515
Aluminum	238	415	1,029	974	1,355	1,336	1,629	2,450	1,995	2,744
Lead	74	49	226	91	90	57	65	90	57	61
Tin	190	315	720	776	644	378	453	513	426	243
Silver, refined bullion	53	274	642	1,329	837	786	1,926	848	869	688
Platinum group metals	96	244	800	1,107	742	512	707	1,062	962	1,251
Metal manufactures, n.e.c.	825	1,769	3,671	3,732	4,170	4,294	4,504	5,923	6,560	7,129
Textiles, other than clothing	1,135	1,219	2,216	2,499	3,046	2,807	3,225	4,531	4,900	5,768
Textile yarn and thread	223	128	167	194	231	260	355	523	534	689
Cotton fabrics, woven	173	219	380	433	607	489	560	878	837	1,006
Textile fabrics, woven, exc. cotton [5]	499	433	775	408	572	533	586	702	100	948
Twine and cordage	35	123	112	114	104	82	87	85	78	86
Floor coverings	53	88	264	283	306	277	332	491	549	606
Clothing	1,269	2,562	5,876	6,430	7,537	8,165	9,583	13,497	14,949	17,288
Footwear	629	1,275	2,859	2,809	3,019	3,437	4,010	5,034	5,895	6,473
Professional, scientific, photographic, and controlling instruments [6]	356	726	1,159	2,654	3,701	3,132	3,528	4,696	3,211	1,598
Clocks and watches	184	426	946	1,127	1,275	991	1,058	1,254	1,367	1,536
Musical instruments, sound recorders and reproducers, and parts [7]	505	781	469	487	621	729	927	1,288	1,794	2,396
Printed matter	160	284	529	613	622	664	739	960	1,116	1,378
Articles of plastic and rubber, n.e.c.	236	429	871	916	1,006	1,102	1,352	1,861	1,631	2,833
Toys, games, and sporting goods	427	633	1,591	1,836	2,075	2,698	2,412	3,189	4,075	4,520
Artworks and antiques	162	677	1,487	2,672	2,056	2,024	2,017	2,467	2,188	2,091
Other transactions	1,274	2,518	4,905	7,225	7,296	7,708	7,742	9,828	11,141	14,914

[1] Value on a cost, insurance, and freight basis: cost (to the U.S. importer) of commodities at port of exportation plus insurance and freight to U.S. customs port of entry. 1970 is estimated. [2] Canned, cooked, and boned. [3] Prior to 1979, alumina is included under chemicals; thereafter, classified in crude materials. [4] Materials of lime, cement, and clay. [5] Excludes narrow or special fabrics. [6] Beginning 1979, electric measuring and controlling instruments are included in "Other manufactured goods" under "Professional, scientific, photographic, and controlling instruments", prior to 1979, classified under "Machinery." [7] Beginning 1979, sound recorders included in "Machinery."

Source: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A—Commodity by Country*, FT 135, monthly.

No. 1351. Imports for Consumption—Values and Duties: 1950 to 1986

[Imports are on customs value basis. Beginning 1965, includes uranium, thorium, and related products; beginning 1970, includes silver ores and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212]

YEAR	VALUES				Duties calculated [1] (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita [2] (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1950	8,743	4,767	3,976	55	522	6	13	3.43
1955	11,337	6,037	5,300	53	633	6	12	3.82
1960	14,650	5,780	8,870	39	1,084	7	12	6.00
1965	21,283	7,434	13,849	35	1,643	8	12	8.48
1970	39,756	13,870	25,886	35	2,584	6	10	12.60
1971	45,516	15,286	30,230	34	2,787	6	9	13.32
1972	55,290	18,915	36,375	34	3,124	6	9	14.88
1973	69,024	28,258	40,766	41	3,620	5	8	17.08
1974	100,140	52,052	48,088	52	3,771	4	8	17.63
1975	96,516	31,030	65,486	32	3,780	4	6	17.50
1976	121,121	37,190	83,931	31	4,675	4	6	21.44
1977	147,075	43,633	103,442	30	5,485	4	5	24.91
1978	[3] 172,912	51,827	121,125	30	7,162	4	6	32.17
1979	[3] 205,850	103,278	102,645	50	7,202	3	7	31.98
1980	[3] 244,007	106,992	132,951	45	7,535	3	6	33.09
1981	259,012	78,338	182,674	29	8,693	3	5	38.67
1982	242,340	75,856	166,484	31	8,688	4	5	37.40
1983	256,679	83,397	173,283	32	9,430	4	5	40.21
1984	322,989	102,977	220,012	32	12,042	4	5	50.90
1985	343,553	106,035	237,518	31	13,067	4	6	54.73
1986	368,657	121,742	246,915	33	13,312	4	5	55.10

[1] 1950 and 1955 data from U.S. Bureau of Customs. Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. [2] Based on estimated population including Armed Forces abroad as of July 1. [3] Total includes revisions not carried to free and dutiable values.

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States, Quarterly Summary of Foreign Commerce of the United States, Highlights of U.S. Export and Import Trade*, FT 990, monthly, and unpublished data.

Digitized by Google

No. 1352. Domestic Exports and Imports for Consumption of Merchandise, by Selected SIC-Based Product Category: 1978 to 1986

[**In millions of dollars.** Includes nonmonetary gold; beginning 1980, includes trade of U.S. Virgin Islands with foreign countries. For 1978–1981, imports are free alongside ship (f.a.s.) value at foreign port exportation; thereafter, customs value basis. Beginning 1978, export data are not strictly comparable to previous years due to changes in the Schedule B export classification]

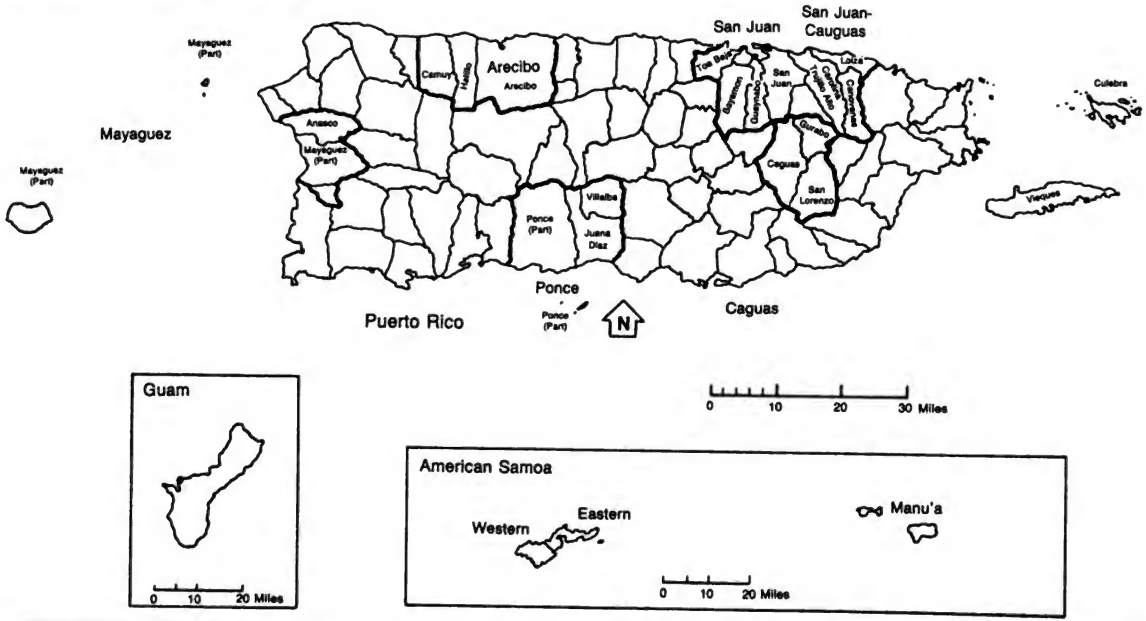
SIC [1] code	SIC-BASED PRODUCT CATEGORY	1978	1979	1980	1981	1982	1983	1984	1985	1986
(X)	**Domestic exports, total** [2]	**141,154**	**178,578**	**216,592**	**228,961**	**207,158**	**195,969**	**212,057**	**206,925**	**206,376**
(X)	Agricultural, forestry and fishery products	21,248	25,194	30,091	31,463	26,486	25,972	27,557	20,073	15,967
01	Agricultural products	20,626	24,410	29,236	30,527	25,626	25,150	26,770	19,199	15,088
02	Livestock and livestock products	524	665	715	792	713	689	646	735	740
08	Forestry products	74	90	110	109	111	99	115	122	120
09	Fish, fresh or chilled; and other marine products	24	28	28	35	36	34	26	18	20
(X)	Mineral commodities	4,018	6,190	8,338	9,144	8,620	6,176	6,417	6,394	5,599
10	Metallic ores and concentrates	583	1,096	1,320	962	664	498	644	686	590
11	Anthracite coal	41	66	98	103	53	43	42	65	66
12	Bituminous coal and lignite [3]	2,008	3,331	4,529	5,813	5,938	4,013	4,091	4,400	3,864
13	Crude petroleum and natural gas	506	524	976	912	762	492	448	476	306
14	Nonmetallic minerals, fuels	880	1,173	1,415	1,354	1,183	1,129	1,193	767	774
(X)	Manufactured commodities	113,327	143,032	171,355	184,225	168,376	159,608	173,284	175,750	179,401
20	Food and kindred products	9,044	10,618	12,124	12,933	11,079	11,022	11,067	10,055	11,250
21	Tobacco manufactures	766	964	1,091	1,265	1,298	1,186	1,192	1,268	1,522
22	Textile mill products	1,466	2,130	2,488	2,326	1,766	1,559	1,541	1,462	1,653
23	Apparel and related products	1,077	1,414	1,620	1,651	1,271	1,114	1,065	1,019	1,213
24	Lumber and related products	2,439	3,520	3,695	3,049	2,863	2,852	2,899	2,668	3,018
25	Furniture and fixtures	317	355	476	634	593	522	546	483	466
26	Paper and allied products	2,505	3,210	4,670	4,755	4,210	4,103	4,322	3,886	4,479
27	Printing and publishing	824	967	1,115	1,315	1,358	1,323	1,378	1,250	1,298
28	Chemicals and allied products	12,626	17,466	21,095	21,659	20,021	19,668	22,249	21,797	22,562
29	Petroleum and coal products	1,406	2,108	2,849	3,996	6,402	5,325	5,113	5,433	4,226
30	Rubber and misc. plastics products	1,787	2,196	2,675	2,970	2,631	2,634	2,936	2,765	2,941
31	Leather and leather products	327	427	510	519	498	457	526	478	521
32	Stone, clay, and glass products	1,399	1,645	1,922	2,102	1,860	1,779	1,904	1,792	1,723
33	Primary metal products	4,476	9,630	11,491	8,780	5,463	4,892	5,360	4,747	4,803
34	Fabricated metal products	5,159	5,815	6,927	7,947	7,692	6,732	8,530	5,765	5,542
35	Machinery, except electrical	24,684	29,991	38,084	42,924	38,920	33,190	37,268	37,478	36,356
36	Electric and electronic equipment	11,304	13,536	16,354	18,392	18,144	18,029	20,164	18,908	20,415
37	Transportation equipment	25,663	26,026	29,206	33,188	29,702	30,864	32,173	38,024	37,977
38	Instruments and related products	5,320	6,437	7,690	8,426	8,371	8,271	8,684	8,623	9,237
39	Misc. manufacturing	1,982	2,531	2,888	2,728	2,206	2,165	1,895	1,773	2,080
(X)	**Imports for consumption, total** [2]	**171,697**	**205,115**	**239,588**	**258,319**	**242,340**	**256,680**	**322,999**	**343,553**	**368,857**
(X)	Agricultural, forestry and fishery products	9,744	10,628	10,536	10,216	9,982	10,743	12,301	12,805	14,753
01	Agricultural products	6,358	8,554	8,531	5,962	5,733	5,857	6,936	7,483	8,792
02	Livestock and livestock products	634	672	584	666	749	820	977	933	993
08	Forestry products	812	1,045	984	968	706	782	978	830	786
09	Fish, fresh or chilled; and other marine products [4]	1,940	2,357	2,337	2,620	2,795	3,285	3,411	3,559	4,183
(X)	Mineral commodities	36,476	53,576	70,717	70,015	53,705	43,573	43,500	39,011	27,780
10	Metallic ores and concentrates	2,066	2,374	2,312	2,297	1,946	1,321	1,636	1,265	1,318
12	Bituminous coal and lignite [3]	75	52	30	30	23	43	44	70	80
13	Crude petroleum and natural gas	34,328	48,818	65,857	65,581	50,115	40,670	39,962	35,872	24,463
14	Nonmetallic minerals, exc. fuels	2,007	2,333	2,517	2,106	1,621	1,539	1,859	1,804	1,919
(X)	Manufactured commodities	118,717	135,557	150,643	171,355	170,406	194,405	257,643	280,089	314,139
20	Food and kindred products	7,971	9,606	10,381	10,693	9,561	10,334	12,010	12,521	12,521
21	Tobacco manufactures	51	51	213	200	227	158	78	78	82
22	Textile mill products	1,832	1,820	2,023	2,466	2,201	2,524	3,469	3,616	4,136
23	Apparel and related products	5,722	5,902	6,543	7,750	8,432	9,898	13,916	15,710	18,171
24	Lumber and related products	4,282	4,680	3,848	3,643	3,059	4,426	4,838	5,109	5,374
25	Furniture and fixtures	861	1,009	1,083	1,228	1,354	1,795	2,458	3,220	3,997
26	Paper and allied products	4,036	4,856	5,322	5,659	5,343	5,661	7,431	7,493	7,983
27	Printing and publishing	504	546	628	639	672	795	1,070	1,200	1,488
28	Chemicals and allied products	5,593	6,050	7,003	7,671	7,655	9,966	11,997	12,790	13,281
29	Petroleum and coal products	7,701	11,090	13,420	15,820	15,643	17,395	21,202	18,282	12,836
30	Rubber and misc. plastics products	2,346	2,632	2,743	3,112	2,937	3,405	4,365	4,721	5,381
31	Leather and leather products	2,960	3,427	3,379	3,873	4,496	5,296	6,786	7,724	8,648
32	Stone, clay, and glass products	1,919	2,196	2,262	2,483	2,398	2,862	3,791	4,296	4,910
33	Primary metal products	13,908	15,623	18,027	20,478	18,813	16,359	22,117	20,439	22,580
34	Fabricated metal products	3,859	4,258	4,396	5,028	5,154	5,273	6,804	7,754	8,476
35	Machinery, except electrical	10,566	13,066	14,222	16,281	16,163	18,440	27,621	31,310	38,234
36	Electric and electronic equipment	12,007	13,424	15,451	18,833	20,124	24,626	35,326	37,951	42,734
37	Transportation equipment	24,426	26,473	29,895	33,063	35,663	41,627	54,297	65,944	79,867
38	Instruments and related products	3,754	4,011	4,692	5,638	5,380	6,023	7,729	8,805	10,646
39	Misc. manufacturing	4,395	4,835	5,430	6,596	7,110	7,393	9,714	11,130	12,776

X Not applicable. [1] Standard Industrial Classification. [2] Includes scrap and waste, used or secondhand merchandise, and manufactured commodities not identified by kind. [3] Includes anthracite. [4] Includes frozen and packaged fish.

Source: U.S. Bureau of the Census, *Highlights of U.S. Export and Import Trade*, FT 990.

Digitized by Google

Figure 30.1
Selected U.S. Outlying Areas Map.



Digitized by Google



Section 30

Outlying Areas

This section presents summary economic and social statistics for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, manufactures, and construction (taken every five years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States*, issued by the National Center for Health Statistics; and the annual *Income and Product* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam*, surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a Commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands*, comprising 50 islands and cays, was purchased by the United States from Denmark in 1917. *American Samoa*, a group of 7 islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in 1900 (Swains Island was annexed in 1925).

By an agreement approved by the Security Council and the United States the Northern Mariana Islands, previously under Japanese mandate, was administered by the United States between 1947 and 1986 under the United Nations trusteeship system. The Northern Mariana Islands became a Commonwealth in 1986.

For a brief summary of U.S. territorial development, see tables 3 and 319.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1960 Census of Population covered all of the places listed above except the Northern Mariana Islands (their census was conducted in April 1958 by the Office of the High Commissioner), while the 1960 Census of Housing also excluded American Samoa. The 1970 and 1980 Censuses of Population and Housing covered all five areas. The 1959, 1969, and 1978 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964, 1974, and 1982 censuses covered the same areas except American Samoa; and the 1978 census included the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, to be taken at 5-year intervals, for years ending in 2 and 7. Prior economic censuses were conducted in Puerto Rico for 1954, 1958, and 1963, and in Guam and the Virgin Islands for 1958 and 1963. In 1967, the census of construction industries was added for the first time in Puerto Rico; in 1972 Virgin Islands and Guam were covered. Beginning 1982, the economic censuses covered the Northern Mariana Islands.

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract*. See "Outlying areas of the United States" in the index. For definition and explanation of terms used, see section 1, Population; section 4, Education; section 23, Agriculture; section 26, Construction and Housing; section 27, Manufactures; and section 28, Domestic Trade and Services.

NO. 1353. ESTIMATED RESIDENT POPULATION, BY AREA: 1950 TO 1986

[In thousands. As of July 1. Includes estimates of Armed Forces stationed in area]

AREA	1950	1960	1970	1975	1980	1985	1986
Puerto Rico	2,218	2,362	2,716	2,933	3,206	3,282	3,274
American Samoa	19	20	27	30	32	36	37
Guam	60	66	86	102	107	124	127
Virgin Islands	27	32	63	94	98	111	110
Northern Mariana Islands [1]	(NA)	(NA)	12	15	17	19	20

NA Not available. [1] Data consistent with apportionment census of September 1973 which showed a total population of 14,333 for the Marianas.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 80, 336, 943, and 1,009.

Digitized by Google

NO. 1354. ESTIMATES OF COMPONENTS OF POPULATION CHANGE, BY AREA: 1970 TO 1980 AND 1980 TO 1986

[In thousands, except percent. Resident population, including Armed Forces stationed in area. See table 1355 for population totals. Minus sign (–) indicates decrease. For explanation of methodology, see source]

AREA	APRIL 1, 1970 TO APRIL 1, 1980					APRIL 1, 1980 TO JULY 1, 1986				
	Net change		Births	Deaths	Net migration [1]	Net change		Births	Deaths	Net migration [2]
	Number	Percent				Number	Percent			
Puerto Rico	484.5	17.9	744.0	193.7	–65.9	77.1	2.4	417.8	135.8	–203.9
American Samoa	5.1	18.9	10.8	1.4	–4.1	5.0	15.5	8.0	.9	–2.1
Guam	21.0	24.7	30.7	4.1	–5.7	20.8	19.8	19.1	2.7	4.4
Virgin Islands	34.1	54.6	26.6	5.0	12.5	12.9	13.4	15.4	3.3	.9
Northern Mariana Islands [3]	4.6	37.5	5.3	.9	(S)	2.9	17.2	4.0	.6	(S)

[1] Includes error of closure (the amount necessary to make the components of change add to the net change between censuses). [2] See footnote 1, table 1353. [3] Migration is derived as a residual. Because part of the residual migration in these areas reflects under-registration of vital statistics, migration figures are not shown.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, Nos. 943 and 1009.

NO. 1355. POPULATION AND MEDIAN AGE, BY AREA AND SEX: 1960 TO 1980

[As of **April 1**. For definition of median, see Guide to Tabular Presentation]

AREA AND SEX	POPULATION (1,000)			MEDIAN AGE (years)		
	1960	1970	1980	1960	1970	1980
Puerto Rico	2,349.5	2,712.0	3,196.5	18.5	21.8	24.6
Male	1,162.8	1,329.9	1,556.7	16.0	20.9	23.7
Female	1,186.8	1,382.2	1,639.6	16.9	22.2	25.5
American Samoa	20.1	27.2	32.3	15.2	16.1	16.6
Male	10.2	13.7	16.4	14.6	15.1	18.4
Female	9.9	13.6	15.9	15.8	18.1	19.2
Guam	67.0	85.0	106.0	20.8	20.4	22.3
Male	39.2	47.3	55.3	22.9	21.6	22.4
Female	27.8	37.7	50.7	16.5	18.2	22.1
Virgin Islands	32.1	62.5	96.6	20.7	23.0	22.5
Male	15.9	31.3	48.2	20.3	23.1	21.1
Female	16.2	31.3	50.4	21.2	23.0	23.6
No. Mariana Is	(NA)	9.8	16.8	(NA)	15.2	19.7
Male	(NA)	4.9	8.8	(NA)	15.4	20.9
Female	(NA)	4.7	8.0	(NA)	15.0	18.5

NA Not available.

Source: U.S. Bureau of the Census, *Census of Population: 1960*, vol. I; *1970, Vol. I, Characteristics of the Population*, parts 53–58; and *1980, Vol. 1, Chapter B, Characteristics of the Population*, parts 53–57b.

NO. 1356. POPULATION, BY PLACE OF BIRTH—AREA: 1980

[As of **April 1**]

ITEM	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Total resident population [1]	105,979	96,569	32,297	16,780
Born in this area	52,113	43,234	18,586	11,993
Percent of total	49.2	44.8	57.5	71.5
Born in the United States	22,950	11,964	2,189	553
Born in other outlying areas	3,552	4,993	24	2,074
Born in Asia	22,648	549	268	1,915
Born outside this area	50,595	[2] 30,731	13,442	4,623
Immigrated:				
1975–1980	32,159	7,080	7,168	2,916
1970–1974	8,782	7,054	2,715	1,027
1960–1969	6,342	13,566	2,405	368
Before 1960	3,312	3,031	1,154	282

[1] Includes persons born elsewhere and place of birth not reported. [2] Excludes 4,993 persons born in Puerto Rico; 11,964 born in the United States, and 282 born abroad of American parents.

Source: U.S. Bureau of the Census, unpublished data.

Digitized by Google

No. 1357. Land Area and Population Characteristics, by Area: 1980

[As of **April 1**. See also table 319, for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	Puerto Rico	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
Land area (sq. miles)	3,459	209	132	77	184
Total resident population	**3,196,520**	**105,979**	**96,569**	**32,297**	**16,780**
Per square mile	924.1	507.1	731.6	419.4	91.2
Percent increase, 1970–1980	17.9	24.7	54.6	16.9	74.1
Urban	2,134,365	41,875	37,730	5,660	2,678
Rural	1,062,155	64,104	58,839	26,637	14,102
Male	1,556,727	55,321	46,204	16,384	8,817
Female	1,639,793	50,658	50,365	15,913	7,963
Males per 100 females	94.9	109.2	91.7	103.0	110.7
Median age (years)	24.6	22.3	22.5	18.8	19.7
Male (years)	23.7	22.4	21.1	18.4	20.9
Female (years)	25.5	22.1	23.6	19.2	18.5
Persons 25 years old and over	1,577,682	46,906	44,986	12,164	6,760
School years completed:					
Elementary: 0–8 years	753,742	9,973	15,997	4,360	2,886
High school:					
1–3 years	200,269	6,157	6,475	2,697	851
4 years or more	332,770	14,653	11,543	3,108	1,543
College	290,901	16,123	10,971	2,019	1,480
Marital status, persons 15 years old and over	**2,187,246**	**68,007**	**61,791**	**19,090**	**9,975**
Single	613,024	20,675	22,376	7,406	3,462
Married [1]	1,320,193	44,041	32,204	10,571	5,977
Widowed or divorced	254,029	4,291	7,211	1,113	536
Households and families:					
Population in households	3,176,511	101,000	95,949	31,963	16,234
Number of households	636,565	24,834	28,329	4,513	3,028
Population per household	4.99	4.07	3.39	7.08	5.36
Families	753,936	21,780	20,855	4,287	2,652
Husband-wife families	580,326	18,473	13,612	3,475	2,113

[1] Includes consensually married couples and separated couples.

Source: U.S. Bureau of the Census, unpublished data.

No. 1358. Vital Statistics—Specified Areas: 1960 to 1985

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1960, 1970, and 1980 based on population enumerated as of **April 1**; for all other years, on population estimated as of **July 1**]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES [2]	
	Number	Rate [1]	Number	Rate [1]	Number	Rate [3]	Number	Rate [1]	Number	Rate [1]
Puerto Rico:										
1960	76,914	32.5	15,791	6.7	3,307	43.3	[4] 20,212	[4] 8.6	5,218	2.2
1970	67,628	24.8	16,080	6.7	1,930	28.6	29,905	11.0	9,688	3.6
1975	69,702	23.6	17,805	6.1	1,335	19.2	32,731	11.2	12,985	4.4
1980	72,986	22.6	20,413	6.4	1,351	18.5	33,167	10.4	15,276	4.8
1981	71,300	21.9	21,085	6.5	1,318	18.5	31,692	9.8	14,247	4.4
1982	69,256	21.2	21,427	6.6	1,167	17.1	30,799	9.4	14,084	4.3
1983	65,659	20.1	21,377	6.5	1,131	17.2	29,487	9.0	13,164	4.0
1984	63,247	19.3	21,616	6.6	987	15.6	29,499	9.0	13,698	4.2
1985	63,547	19.4	23,071	7.0	944	14.9	(NA)	(NA)	(NA)	(NA)
Guam:										
1965	2,523	32.8	336	4.4	82	32.5	471	6.2	53	.7
1970	2,842	28.8	355	5.6	62	21.6	674	9.9	84	1.0
1975	3,156	30.9	427	4.2	65	20.6	1,861	18.2	196	1.9
1980	2,945	27.8	393	3.7	43	14.6	(NA)	(NA)	(NA)	(NA)
1981	2,949	26.8	385	3.5	30	10.2	(NA)	(NA)	(NA)	(NA)
1982	2,954	26.7	428	3.9	29	9.8	(NA)	(NA)	(NA)	(NA)
1983	3,152	27.1	442	3.8	29	9.2	(NA)	(NA)	(NA)	(NA)
1984	2,994	25.0	409	3.4	26	6.7	(NA)	(NA)	(NA)	(NA)
1985	3,049	24.6	415	3.4	35	11.5	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1960	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1970	2,898	46.6	469	7.9	72	24.6	1,149	18.4	270	4.3
1975	2,372	25.1	477	5.0	62	26.1	1,064	11.3	353	3.7
1980	2,504	25.9	504	5.2	61	24.4	1,112	11.5	478	4.9
1981	2,442	24.6	547	5.5	55	22.5	1,092	11.0	408	4.1
1982	2,509	24.7	498	4.9	49	19.5	1,311	12.9	335	3.3
1983	2,584	24.9	484	4.7	54	20.9	1,341	12.9	313	3.0
1984	2,432	22.6	471	4.4	55	22.6	1,407	13.1	352	3.3
1985	2,375	21.4	508	4.6	42	17.7	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Per 1,000 population. [2] Per 1,000 live births. [3] Includes reported annulments.
[4] Data are incomplete.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

Digitized by Google

NO. 1359. SCHOOL ENROLLMENT AND EMPLOYMENT STATUS, 1980, AND PERCENT DISTRIBUTION BY FAMILY INCOME CLASS, 1979, BY AREA

ITEM	Puerto Rico [1]	Guam	Virgin Islands	American Samoa	Northern Mariana Islands
SCHOOL ENROLLMENT, 1980					
Total enrolled, 3 years old and over	**971,592**	**36,002**	**34,934**	**12,842**	**5,479**
Elementary (grades 1-8), total [2]	**616,438**	**23,303**	**25,642**	**8,695**	**4,102**
Public	542,955	20,061	20,576	7,452	3,576
Private	73,483	3,242	5,066	1,243	526
High school (4 years), total	**220,477**	**8,562**	**7,275**	**3,224**	**1,291**
Public	200,118	7,580	5,856	2,759	1,149
Private	20,359	982	1,419	465	132
College, total	**134,677**	**4,137**	**2,017**	**923**	**86**
Public	103,650	3,888	1,897	831	80
EMPLOYMENT STATUS, 1980					
Total persons, 16 years old and over	**2,114,673**	**66,773**	**59,310**	**18,319**	**8,591**
In labor force	869,856	44,484	38,082	8,329	6,102
Percent of total	41.1	66.6	64.2	45.5	63.6
Armed Forces	4,137	10,125	84	21	10
Civilian labor force	865,719	34,359	37,998	8,308	6,089
Employed	733,922	32,692	35,652	8,106	5,941
Unemployed	131,797	1,667	2,346	202	148
Percent of civilian labor force	15.2	4.9	6.2	2.4	2.4
Not in labor force	1,244,817	22,289	21,228	9,990	3,497
FAMILY INCOME, 1979					
Families, 1980	**757,645**	**21,780**	**20,855**	**4,287**	**2,662**
Percent distribution, by income class	100.0	100.0	100.0	100.0	100.0
Less than $1,000	11.3	2.1	3.2	6.1	4.4
$1,000-$2,499	12.4	1.7	3.4	4.3	5.9
$2,500-$4,999	19.7	3.7	7.8	14.2	17.9
$5,000-$7,499	17.5	6.6	14.3	16.8	16.1
$7,500-$9,999	10.9	9.8	12.4	12.9	13.7
$10,000-$14,999	13.3	21.1	19.8	18.4	16.9
$15,000-$24,999	10.3	28.4	22.3	18.7	14.7
$25,000 or more	4.6	26.6	16.7	10.7	10.4
Median income [3] (dol.)	**5,923**	**16,203**	**11,914**	**9,815**	**[4] 8,899**

[1] Data based on sample and subject to sampling variability, see Appendix III. [2] Includes nursery and kindergarten. [3] For definition of median, see Guide to Tabular Presentation. [4] Excludes those with no income.

Source: U.S. Bureau of the Census, unpublished data.

NO. 1360. FEDERAL DIRECT PAYMENTS FOR INDIVIDUALS BY SELECTED PROGRAM AND OUTLYING AREA: 1985 AND 1986

[In thousands of dollars. For fiscal years ending **September 30]**

PROGRAM PAYMENTS	1985				1986			
	Puerto Rico	Guam	Virgin Islands	American Samoa	Puerto Rico	Guam	Virgin Islands	American Samoa
Total	**2,460,036**	**72,168**	**82,831**	**9,373**	**2,675,525**	**86,134**	**95,983**	**9,856**
Pell Grants	153,955	1,072	337	47	262,888	756	579	172
Medicare: Hospital Insurance	130,894	5,744	3,482	-	134,211	1,632	3,573	-
Supplemental medical insurance	103,464	3,139	1,838	-	119,503	1,270	2,123	-
Social Security: Disability insurance	481,827	1,288	3,338	1,097	493,697	1,328	3,815	1,256
Retirement insurance	818,556	6,955	24,485	2,904	842,983	7,318	25,442	2,989
Survivors insurance	294,287	3,788	7,304	2,258	347,922	4,605	8,316	2,679
Veterans: Pension and disability	223,542	2,641	779	1,226	226,162	2,744	819	1,332
Education assistance	5,132	462	19	220	4,227	447	16	297
Federal retirement and disability	123,727	23,711	7,581	1,487	129,597	25,555	7,478	830
Food Stamps	[1] 824,280	18,263	23,558	-	[1] 817,786	16,964	21,642	-
Other	124,652	5,105	10,110	134	94,335	3,515	22,178	96

- Represents or rounds to zero. [1] Food stamp program in Puerto Rico was replaced by the Nutritional Assistance Grant Program in 1982. Figures shown represent grants to State and local governments, not included in totals.

Source: U.S. Bureau of the Census, *Federal Expenditures by State*, annual.

Digitized by Google

No. 1361. Puerto Rico—Summary: 1960 to 1986

Item	Unit	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986
POPULATION											
Total [1]	1,000	2,360	2,722	2,939	3,206	3,247	3,263	3,265	3,270	3,276	3,286
Persons per family	Number	4.8	4.6	4.4	4.3	4.2	4.2	4.2	4.1	4.1	4.1
EDUCATION [2]											
Enrollment, total	1,000	737.6	925.8	977.9	1,028.2	1,043.9	1,044.3	1,064.6	1,069.5	1,055.8	1,075.0
Public day school	1,000	573.4	672.3	704.1	716.1	712.9	711.7	708.7	701.9	692.9	686.9
Other public	1,000	76.4	103.9	83.7	85.8	100.6	95.6	[3] 96.2	[3] 104.7	[3] 997	100.9
Private schools	1,000	63.3	92.3	95.7	99.4	98.5	102.4	107.8	102.7	107.3	130.4
College and university	1,000	24.5	57.3	94.4	127.0	131.9	134.5	151.9	160.2	155.7	156.8
Expenses	Mil. dol	87.4	288.8	427.7	818.1	945.7	988.9	1,019.5	1,085.7	1,135.8	1,152.8
As percent of GNP	Percent	5.2	6.2	6.0	7.4	7.8	7.8	7.9	7.7	7.7	7.3
Public	Mil. dol	74.1	254.8	334.8	612.2	716.2	728.6	737.9	782.2	810.2	814.4
Private	Mil. dol	13.3	34.2	92.9	205.9	229.5	260.3	281.6	303.5	325.6	338.2
LABOR FORCE [4]											
Total [5]	1,000	625	785	825	907	925	918	919	952	964	977
Employed [6]	1,000	542	686	699	753	759	719	703	743	758	777
Agriculture [7]	1,000	125	68	48	40	38	35	37	39	37	38
Manufacturing	1,000	81	132	130	143	141	134	131	142	138	140
Trade	1,000	97	128	134	138	142	141	136	145	147	149
Government	1,000	62	106	143	184	185	171	170	177	180	180
Unemployed	1,000	82	79	125	154	166	199	216	209	206	200
Unemployment rate [8]	Rate	13	10	15	17	18	22	23	22	21	21
Compensation of employees	Mil. dol	928.9	2,800.2	4,838.2	7,217.8	7,855.5	7,972.3	8,060.4	8,745.5	9,234.5	9,563.9
Avg. compensation	Dollar	1,711	4,082	6,922	9,584	10,350	11,088	11,466	11,771	12,183	12,309
Salary and wages	Mil. dol	872.0	2,554.5	4,320.9	6,341.0	6,900.8	6,984.2	7,055.8	7,646.0	8,069.7	8,297.9
INCOME [9]											
Personal income:											
Current dollars	Mil. dol	1,374	3,753	6,861	10,932	12,100	12,688	12,695	13,425	14,314	14,947
Constant (1954) dollars	Mil. dol	1,240	2,654	3,381	3,947	3,965	3,934	3,827	3,986	4,159	4,289
Disposable personal income:											
Current dollars	Mil. dol	1,334	3,565	6,480	10,333	11,432	11,969	11,936	12,648	13,486	13,890
Constant (1954) dollars	Mil. dol	1,204	2,521	3,194	3,730	3,746	3,711	3,598	3,755	3,918	3,986
Average family income:											
Current dollars	Dollar	2,818	6,366	10,358	14,762	15,746	16,367	16,339	16,843	17,913	18,651
Constant (1954) dollars	Dollar	2,544	4,503	5,104	5,315	5,162	5,078	4,927	5,002	5,203	5,351
BANKING [10]											
Assets	Mil. dol	705	3,322	6,642	10,223	14,163	15,605	18,435	19,968	21,209	22,534
Debits	Mil. dol	835	2,548	6,930	13,399	16,780	18,701	24,098	(NA)	(NA)	(NA)
Personal checking	Mil. dol	(NA)	1,999	5,714	11,206	14,773	16,640	21,917	(NA)	(NA)	(NA)
Personal savings	Mil. dol	(NA)	94	166	423	475	800	759	(NA)	(NA)	(NA)
Government accounts	Mil. dol	(NA)	454	1,049	1,770	1,531	1,261	1,422	(NA)	(NA)	(NA)
TOURISM [9]											
Number of visitors	1,000	347.4	1,088.4	1,329.1	1,627.4	1,573.4	1,563.7	1,529.8	1,496.4	1,544.9	1,572.6
Visitor expenditures	Mil. dol	58.1	235.4	372.7	615.0	649.7	699.2	690.9	681.2	722.7	742.9
Average per visitor	Dollar	167	216	280	378	413	447	452	455	468	472
Net income from tourism	Mil. dol	19.4	89.8	117.2	199.3	208.9	216.0	219.9	220.4	(NA)	(NA)

NA Not available. [1] As of July 1. [2] Enrollment for the first school month. Expenses for school year ending in year shown. [3] Includes adult education. [4] Annual average of monthly figures. For fiscal years. [5] Beginning 1980, for population 16 years old and over; 1960–1975, for population 14 years and over. [6] Includes other employment, not shown separately. [7] Includes forestry and fisheries. [8] Percent unemployed of the labor force [9] For fiscal years. [10] As of June 30.

Source: Puerto Rico Planning Board, San Juan, PR, *Income and Product*, annual, and *Socioeconomics Statistics*, annual.

No. 1362. Puerto Rico—Employment Status, 1960 to 1986, and by Sex, 1986

(In thousands of persons 14 years old and over except, beginning 1980, 16 years old and over. Annual averages for calendar years of the civilian noninstitutional population)

Employment status	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986		
										Total	Male	Female
Total	**1,368**	**1,743**	**1,983**	**2,116**	**2,166**	**2,216**	**2,251**	**2,273**	**2,293**	**2,303**	**1,079**	**1,224**
In the labor force	635	777	826	916	925	912	942	958	969	998	639	358
Employed	558	693	676	758	742	704	722	759	758	809	499	310
Working	525	657	630	712	695	664	683	719	710	768	478	290
35 hours or more	[1] 406	569	460	535	465	470	498	521	508	579	372	207
Less than 35 hours	[2] 119	88	175	177	230	194	185	198	203	189	106	83
Not working	33	35	45	48	47	40	39	40	47	41	21	19
Unemployed	77	84	150	156	184	208	220	198	211	188	140	48
Percent	12.1	10.7	18.1	17.0	19.8	22.8	23.4	20.7	21.8	18.9	22.0	13.5
Not in labor force	734	966	1,157	1,200	1,241	1,303	1,309	1,315	1,324	1,305	440	865

[1] 30 hours or more. [2] Less than 30 hours.

Source: Puerto Rico Dept. of Labor and Human Resources, Bureau of Labor Statistics, San Juan, PR.

Digitized by Google

No. 1363. Puerto Rico—Gross Product by Major Industrial Sector: 1971 to 1986

[In millions of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Gross product	**5,252**	**7,184**	**8,994**	**10,061**	**11,074**	**12,190**	**12,827**	**12,933**	**14,010**	**14,805**	**15,794**
Agriculture	177	271	338	355	394	377	395	396	343	346	336
Manufacturing	1,334	2,371	3,920	4,471	5,323	5,786	6,017	6,483	7,266	7,758	8,166
Contract construction and mining [1]	485	462	341	359	370	410	355	322	306	337	340
Transportation [2]	482	767	967	1,098	1,235	1,303	1,541	1,467	1,660	1,595	1,803
Trade	987	1,377	1,903	2,124	2,277	2,469	2,471	2,417	2,785	2,933	3,121
Finance, insurance, real estate	674	975	1,248	1,452	1,599	1,711	1,947	2,197	2,363	2,485	2,764
Services	552	805	1,070	1,178	1,316	1,443	1,542	1,620	1,761	1,853	1,969
Government	736	1,334	1,571	1,708	1,898	2,051	1,952	2,029	2,173	2,345	2,389
Commonwealth	656	1,145	1,309	1,406	1,573	1,733	1,675	1,723	1,849	1,995	2,033
Municipalities	80	189	262	301	323	318	277	306	324	350	356
Rest of the world	−407	−1,043	−2,179	−2,725	−3,406	−3,633	−3,788	−4,055	−4,612	−4,878	−5,315
Statistical discrepancy	234	−135	−186	44	70	272	195	57	−35	33	222

[1] Mining includes only quarries. [2] Includes other public utilities.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985–86.*

No. 1364. Puerto Rico—Net Income, by Industrial Origin: 1970 to 1986

[In millions of dollars. For fiscal years ending June 30]

INDUSTRY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, prel.
All industries	**3,666**	**6,094**	**8,322**	**9,213**	**9,947**	**10,350**	**10,640**	**11,534**	**12,149**	**12,927**
Agriculture	178	315	443	466	430	460	422	395	386	386
Manufacturing	958	1,987	3,996	4,809	5,220	5,406	5,735	6,485	6,984	7,491
Chemicals and allied products	109	561	1,268	1,583	1,786	1,908	2,269	2,341	2,666	3,062
Metal products and machinery	192	484	1,198	1,454	1,721	1,828	1,753	2,164	2,294	2,398
Food and related products	161	295	497	549	545	682	565	754	834	880
Apparel and related products	172	206	329	361	374	375	408	452	406	389
Other manufacturing	324	452	684	863	694	613	740	774	764	772
Mining	7	5	5	9	9	9	297	293	320	329
Contract construction	338	406	330	339	377	320				
Transp. and other public utilities [1]	342	629	881	1,003	1,063	1,213	1,192	1,263	1,197	1,416
Trade	631	970	1,466	1,621	1,743	1,770	1,748	2,011	2,097	2,218
Finance, insurance, and real estate	504	803	1,211	1,346	1,432	1,663	1,872	1,997	2,071	2,295
Services	448	686	1,003	1,130	1,255	1,344	1,400	1,531	1,625	1,726
Commonwealth Government [2]	610	1,334	1,708	1,896	2,051	1,952	2,029	2,173	2,345	2,389
Rest of the world	−347	−1,043	−2,725	−3,406	−3,633	−3,788	−4,055	−4,612	−4,878	−5,315

[1] Includes radio and television. [2] Includes public enterprises, not elsewhere classified.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985–86.*

No. 1365. Puerto Rico—Transfers Between Federal and State Governments and Other Nonresidents: 1971 to 1986

[In million of dollars. For fiscal years ending June 30]

ITEM	1971	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986, prel.
Total receipts	**400**	**1,229**	**2,224**	**2,362**	**2,574**	**2,787**	**3,157**	**3,221**	**3,402**	**3,540**	**3,766**
Federal government	376	1,184	2,128	2,247	2,447	2,681	3,003	3,023	3,173	3,357	3,605
Transfers to individuals [1]	355	1,141	2,073	2,181	2,369	2,608	2,915	2,933	3,090	3,263	3,486
Veterans benefits	83	178	198	202	223	231	274	289	303	324	336
Medicare	24	41	78	92	116	137	163	184	196	220	266
Old age, disability, survivors	227	468	756	895	1,041	1,191	1,348	1,423	1,528	1,561	1,673
Nutritional assistance	(x)	388	879	821	812	860	896	775	765	780	791
Industry subsidies	19	31	39	47	56	48	58	56	55	61	63
Private institutions	4	12	16	19	21	25	29	34	28	33	36
U.S. State governments	8	19	20	14	13	16	15	15	16	17	15
Other nonresidents	15	25	76	100	114	90	140	183	213	166	146
Total payments	**270**	**597**	**772**	**792**	**848**	**924**	**961**	**986**	**1,113**	**1,180**	**1,247**
Federal government [1]	270	592	765	786	841	914	950	973	1,087	1,145	1,229
Old age, disability, survivors	199	364	409	517	649	689	700	708	794	846	870
Medicare	6	10	15	16	21	25	31	38	45	44	47
Unemployment insurance	40	79	103	119	129	146	165	167	183	186	241
Other nonresidents	(z)	5	8	7	7	9	10	13	26	35	18
Net balance	130	631	1,452	1,570	1,726	1,864	2,196	2,236	2,289	2,360	2,519

X Not applicable. Z Less than $500,000. [1] Includes other receipts and payments, not shown separately.

Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1985–86.*

Digitized by Google

NO. 1366. PUERTO RICO—EMPLOYEES AND PAYROLL, BY INDUSTRY: 1980 TO 1985

[Excludes employees of establishments totally exempt from the Federal Insurance Contributions Act: government workers, railroad employment jointly covered by Social Security and railroad retirement programs, self-employed persons, domestic service, agriculture production employees, and employees on oceanborne vessels or in foreign countries]

SIC [1] code	INDUSTRY	EMPLOYEES [2]				ANNUAL PAYROLL (mil. dol.)			
		1980	1983	1984	1985	1980	1983	1984	1985
	Total [3]	438,875	408,008	434,442	442,029	3,741.9	4,244.9	4,514.1	4,880.6
A	Agricultural services, forestry, fisheries	532	447	460	566	5.7	4.2	5.3	4.1
07	Agricultural services	378	371	396	486	2.4	2.3	3.4	2.4
B	Mining	800	555	496	655	8.6	7.0	8.3	7.3
14	Nonmetallic minerals, except fuels	656	493	420	485	5.8	5.2	3.8	4.6
C	Contract construction [3]	36,487	21,044	23,872	23,708	281.5	188.3	214.2	214.7
15	General contractors and operative builders	21,605	11,965	13,878	13,887	159.0	104.3	120.4	123.2
17	Special trade contractors	9,679	6,580	7,072	8,778	74.5	58.4	65.7	64.8
D	Manufacturing [3]	154,621	138,853	144,430	141,350	1,401.7	1,598.3	1,713.0	1,792.4
20	Food and kindred products	19,357	18,525	17,856	19,811	179.4	198.5	212.7	234.8
23	Apparel and other textile products	35,843	29,468	31,938	27,516	215.2	224.6	222.2	208.2
28	Chemical and allied products	16,082	19,850	18,940	19,637	217.0	323.4	342.9	396.1
35	Machinery, except electrical	6,766	9,529	9,912	8,205	72.9	128.1	135.7	121.0
36	Electric and electronic equipment	18,525	19,351	21,535	21,883	182.2	240.4	268.7	272.3
E	Transportation and other public utilities [3]	19,876	19,467	19,489	20,787	227.0	290.8	283.3	339.4
42	Trucking and warehousing	2,563	2,202	2,057	1,890	21.8	19.7	19.3	19.2
47	Transportation services	1,711	1,165	1,242	1,569	13.5	13.1	14.5	19.3
F	Wholesale trade [3]	28,764	27,486	28,014	28,346	331.2	367.8	392.8	395.8
50	Wholesale trade-durable goods	13,465	11,469	12,146	11,923	157.2	156.2	174.8	173.8
51	Wholesale trade-nondurable goods	15,013	15,525	15,349	15,957	169.3	201.7	207.1	212.6
G	Retail trade [3]	79,169	74,231	79,966	80,249	531.6	576.3	607.1	652.3
54	Food stores	16,367	15,617	15,839	16,180	96.4	102.1	103.2	110.6
55	Automotive dealers and service stations	9,187	6,930	7,492	7,598	68.2	60.9	65.5	75.2
56	Apparel and accessory stores	9,998	10,099	9,886	10,238	65.6	70.2	74.2	78.9
58	Eating and drinking places	11,034	11,585	14,682	13,428	64.5	84.1	87.7	94.8
59	Miscellaneous retail	9,146	11,151	11,090	11,052	58.0	82.1	82.0	89.4
H	Finance, insurance, and real estate [3]	25,135	26,759	29,152	28,065	250.2	342.3	373.4	379.3
60	Banking	8,017	9,754	11,052	9,474	81.5	137.3	151.2	124.1
61	Credit agencies other than banks	6,847	6,662	7,353	7,239	63.2	72.7	78.5	92.8
65	Real estate	3,755	3,093	3,340	4,433	25.7	28.2	29.7	38.6
I	Services [3]	79,573	83,093	86,763	88,553	601.8	718.8	740.1	821.7
72	Personal services	3,199	2,812	2,603	2,655	18.2	18.2	18.5	20.6
73	Business services	15,268	18,798	18,106	18,243	120.9	155.0	164.1	167.5
75	Auto repair, services, and garages	2,618	2,147	2,351	2,296	18.1	20.2	20.8	24.3
80	Health services	18,063	19,376	20,920	22,252	129.5	165.7	167.2	200.1
81	Legal services	2,328	2,705	2,877	2,711	27.3	29.7	28.5	32.3

[1] Standard Industrial Classification (SIC) code; see text, section 13. [2] For the pay period including March 12.
[3] Includes other nonclassifiable establishments, not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

NO. 1367. PUERTO RICO—MANUFACTURES, BY INDUSTRY: 1977 AND 1982

[Money figures in millions of dollars. For employer establishments only]

INDUSTRY (Based on 1972 Standard Industrial Classification System) [1]	1977			1982						
	Establishments	All employees [2]	Value added by manufacture [3]	Establishments	All employees		Production workers [4]		Value added by manufacture [3]	Value of shipments [5]
					Number [2]	Payroll	Number [2]	Wages		
All industries	2,297	146,861	4,097.2	2,285	143,218	1,573.0	110,343	1,035.6	8,605.6	15,906.4
Food and kindred products	324	21,407	485.8	333	18,621	213.8	13,633	128.4	965.5	2,383.1
Tobacco manufacturers	17	3,670	122.0	14	(D)	(D)	(D)	(D)	(D)	(D)
Textile mill products	63	6,001	108.9	29	2,840	21.8	2,347	17.1	66.5	103.3
Apparel and other textile products	386	35,294	278.9	341	31,764	229.7	28,815	192.3	510.1	964.4
Lumber and wood products	83	823	9.1	82	603	4.6	230	1.8	9.0	24.0
Furniture and fixtures	124	2,383	26.1	122	2,195	16.6	1,410	9.8	49.8	98.5
Paper and allied products	38	1,459	21.7	41	1,469	15.3	1,084	8.2	46.5	120.7
Printing and publishing	161	4,037	68.9	154	2,861	39.7	1,597	18.4	109.0	173.9
Chemicals and allied products	181	15,732	1,478.5	183	17,225	287.4	11,553	157.0	3,713.9	5,287.1
Petroleum and coal products	19	2,462	143.4	16	(D)	(D)	(D)	(D)	(D)	(D)
Rubber and misc. plastic products	77	5,961	147.8	83	4,496	45.3	3,457	32.7	157.7	282.0
Leather and leather products	47	6,165	55.7	47	6,019	48.0	5,340	40.0	108.3	229.3
Stone, clay, and glass products	175	4,987	102.7	171	4,390	41.4	2,868	24.3	133.5	283.3
Primary metal industries	35	1,567	48.5	34	683	6.8	457	3.4	14.8	44.0
Fabricated metal products	199	4,654	84.2	162	3,553	42.1	2,445	27.4	115.7	288.8
Machinery, exc electrical	57	4,071	161.2	88	6,722	87.3	5,094	56.1	542.2	975.0
Electric and electronic equipment	131	14,785	403.1	181	21,682	248.1	16,758	173.7	1,139.6	1,986.0
Transportation equipment	26	1,127	28.1	28	909	9.1	765	7.3	32.1	56.5
Instruments and related products	89	6,789	257.3	89	10,865	130.1	8,574	89.4	616.4	925.8
Misc. manufacturing industries	85	3,487	67.8	87	3,373	37.8	2,448	24.9	92.6	216.3

D Withheld to avoid disclosure. [1] See text, section 13. [2] Average for year. [3] See footnote 6, table 1241. [4] For establishments with 10 or more employees. [5] Represents net selling value, f.o.b. plant. Excludes freight charges and excise taxes. Includes extensive duplication arising from shipments between establishments in the same industry.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, Manufactures, 1982, Puerto Rico*, series OAC82-4

Digitized by Google

No. 1368. Puerto Rico—Construction Summary: 1977 and 1982

[Money figures in millions of dollars. Employer establishments only]

INDUSTRY (Based on 1972 Standard Industrial Classification System) [1]	1977			1982				
	Establishment	Employees [2]	Total receipts [3]	Establishments	Total receipts [3]	Payroll entire year	Employees [2]	Value added [4]
Construction [5]	**1,692**	**36,154**	**931**	**1,394**	**1,190**	**224**	**29,228**	**468**
General building contractors and operative builders	777	20,281	555	494	606	107	14,620	185
General contractors, residential buildings	576	9,847	(D)	319	(S)	(S)	7,265	(S)
Single-family houses	548	8,256	162	286	(S)	(S)	4,973	(S)
Operative builders	70	3,109	145	48	(S)	(S)	2,237	(D)
General contractors, nonresidential buildings	131	7,325	(D)	127	167	40	5,118	78
Heavy construction, general contractors	156	5,164	151	173	236	44	4,970	(D)
Special trade contractors [6]	705	9,515	202	706	334	72	9,534	154
Plumbing, heating, air-conditioning	132	1,361	39	125	70	16	1,704	28
Painting, paper hanging, decorating	52	585	(D)	42	(S)	(S)	589	(S)
Electrical work	134	2,163	51	162	92	21	2,443	43
Concrete work	45	922	19	63	36	7	1,200	14
Subdividers and developers, n.e.c. [6]	54	1,194	23	21	12	1	104	(D)

D Withheld to avoid disclosures. S Withheld because estimates did not meet publication standards on the basis of either response rate or a consistency review. [1] See text, section 13. [2] Average for year. [3] Total business receipts. [4] All business receipts less payments for materials, components, supplies, and fuels, and for construction work subcontracted to others. [5] Includes industries not shown separately. [6] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *Censuses of Outlying Areas, 1977* and *1982 Construction Industries, Puerto Rico*, series OAC77-3 (revised), and OAC 82-3.

No. 1369. Puerto Rico—Merchandise Imports and Exports: 1970 to 1986

[In millions of dollars]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Imports	2,681	4,961	4,885	5,928	6,200	6,918	7,834	9,018	9,329	8,167	8,706	10,116	10,162	9,984
From U.S.	2,070	2,945	3,029	3,677	3,552	4,391	4,788	5,345	5,801	5,300	5,162	5,738	6,130	6,130
From other	611	2,016	1,856	2,251	2,649	2,527	3,046	3,673	3,528	2,867	3,546	4,378	4,032	3,854
Exports	1,680	3,275	3,000	3,735	4,516	5,123	6,539	6,576	7,047	6,888	8,242	9,426	11,067	11,202
To U.S.	1,563	2,871	2,633	3,298	4,009	4,499	5,720	5,643	6,024	7,624	6,936	6,074	9,873	9,872
To other	117	404	367	437	507	624	819	933	1,023	1,264	1,306	1,352	1,214	1,330

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions, FT 800*; and *Highlights of U.S. Export and Import Trade*, FT990.

No. 1370. Puerto Rico, Guam, and Virgin Islands—Government Summary: 1982

ITEM	Unit	Puerto Rico		Guam	Virgin Islands
		Commonwealth	Municipio [1]		
Number of governments	Number	1	78	1	1
Gross assessed value [2]	Mil. dol	7,705.8	7,705.6	711.4	2,165.5
Real property	Mil. dol	5,118.9	5,118.9	711.4	2,165.5
Personal property	Mil. dol	2,586.9	2,586.9	-	-
Employment, total	Number	165,000	37,500	10,327	12,985
Rate [3] [4]	Number	579	117	974	1,345
Full-time employees	Number	(NA)	(NA)	9,393	12,657
Full-time equivalent	Number	(NA)	(NA)	9,730	12,759
October payrolls total	$1,000	98,200	21,700	12,829	14,127
Average October earnings:					
Full-time employees	Dollars	(NA)	(NA)	1,317	1,105
Instructional employees	Dollars	(NA)	(NA)	1,531	1,410
Other	Dollars	(NA)	(NA)	1,277	1,049
Revenue, total	Mil. dol	5,877.5	346.9	278.6	665.2
Per capita [4]	Dollar	1,839	109	2,629	6,889
Intergovernmental	Mil. dol	1,184.1	58.0	61.0	320.9
Taxes	Mil. dol	1,940.2	289.0	116.9	187.0
Utility	Mil. dol	1,316.7	(NA)	61.0	61.8
Other	Mil. dol	1,436.6	-	37.7	95.6
Expenditure, total	Mil. dol	5,695.6	305.1	450.6	668.6
Per capita [4]	Dollar	1,782	91	4,252	6,920
Current operations	Mil. dol	1,613.4	279.9	373.1	531.3
Capital outlay	Mil. dol	518.5	(NA)	50.4	68.8
Other	Mil. dol	3,363.7	25.2	27.2	68.4

- Represents zero. NA Not available. [1] Classified as county governments for census statistics on governments. [2] For 1981. [3] Per 10,000 population. [4] Based on enumerated population as of April 1, 1980.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 2, Puerto Rico, Virgin Islands, and Guam* (GC82(6)-2).

Digitized by Google

No. 1371. Puerto Rico, Guam, and Virgin Islands—Agriculture: 1978 and 1982

[1 cuerda = .97 acre. Tons specified are short tons]

ITEM	1978	1982	ITEM	1978	1982	ITEM	AMOUNT HARVESTED [1] Unit	1978	1982	SALES ($1,000) 1978	1982
PUERTO RICO											
Farms	18,992	21,820	Tenure of operator:			Dairy products	(X)	(X)	(X)	131,485	152,126
Percent—			Percent—			Poultry [2]	(X)	(X)	(X)	26,950	45,945
Less than 10 cuerdas	37.0	45.1	Full-owners	77.0	79.3	Coffee	1,000 cwt. [3]	178.9	243.9	26,387	39,302
10 to 19 cuerdas	25.2	20.9	Part-owners	15.0	11.5	Cattle and calves	(X)	(X)	(X)	18,945	28,579
20 to 49 cuerdas	20.6	18.0	Managers	2.2	1.6	Sugarcane	1,000 tons	2,925	1,462	39,530	26,663
50 to 99 cuerdas	7.4	7.1	Tenants	5.8	7.4	Fruits/nuts	(X)	(X)	(X)	10,686	14,060
100 to 174 cuerdas	4.1	3.9	Avg. cuerda size—			Grains and farinaceous crops	(X)	(X)	(X)	5,891	9,713
175 or more cuerdas	5.7	5.0	Full-owners	33.6	31.1	Vegetables	(X)	(X)	(X)	2,338	9,547
Cuerdas in farms	979,603	982,457	Part-owners	101.6	99.3						
			Managers	182.0	122.6						
			Tenants	106.5	90.9						
GUAM											
Farms	1,999	2,044	Tenure of operator:			Chicken eggs	(X)	(X)	(X)	1,293.3	792.1
Percent—			Percent—			Cucumbers	1,000 lbs.	116.8	658.2	16.7	217.8
Less than 1 acre	(NA)	45.4	Full-owners	80.5	78.0	Fish	(X)	(X)	(X)	5.3	121.3
1 to 2 acres	(NA)	36.4	Permittees	4.7	11.6	Hogs and pigs	(X)	(X)	(X)	69.1	117.2
3 to 7 acres	(NA)	10.5	Tenants	5.8	6.8	Watermelons	1,000 lbs.	387.9	422.5	92.1	115.6
8 or more acres	(NA)	7.8	Part-owners	1.6	1.3	Green beans	1,000 lbs.	89.4	143.2	23.2	81.6
Acres in farms	28,619	26,662	Nonpermittees	5.6	1.1						
			Others	1.7	1.2	Tomatoes	1,000 lbs.	30.6	105.1	5.1	64.3
VIRGIN ISLANDS											
Farms	378	303	Tenure of operator:			Milk	(X)	(X)	(X)	1,074.1	922.8
Percent—			Percent—			Cattle and calves	(X)	(X)	(X)	395.3	486.6
Less than 3 acres	24.1	24.8	Full-owners	78.0	80.2	Poultry [2]	(X)	(X)	(X)	211.7	315.6
3 to 9 acres	38.9	37.6	Part-owners	7.9	10.9	Hogs and pigs	(X)	(X)	(X)	31.5	130.0
10 to 19 acres	14.3	10.6	Tenants	7.4	7.9	Bananas	1,000 bunches	3.2	11.5	5.3	62.6
20 or more acres	22.8	27.1	Managers	6.6	1.0	Onions	(X)	(X)	(X)	4.4	51.5
Acres in farms	24,397	20,824				Mangoes	1,000	111.5	209.8	16.8	48.5

NA Not available. X Not applicable. [1] Includes amounts not sold. [2] Includes poultry products. [3] Cwt = hundredweight (100 lbs.)

Source: U.S. Bureau of the Census, *1982 Census of Agriculture*, vol. 1, parts 52, 53, and 54.

No. 1372. Guam, Virgin Islands, and Northern Mariana Islands—Economic Summary: 1982

(Sales and payroll in millions of dollars)

ITEM	Guam	Virgin Islands	No. Mariana Islands	ITEM	Guam	Virgin Islands	No. Mariana Islands
Total: Establishments	1,377	2,588	466	**Wholesale trade:**			
Sales	(D)	(D)	134.9	Establishments	89	104	11
Annual payroll	115.6	228.5	19.9	Sales	164.9	197.4	28.5
Paid employees [1]	11,871	19,132	3,945	Annual payroll	12.8	18.7	1.4
Unpaid family workers [2]	507	511	269	Paid employees [1]	981	1,363	364
Construction: Establishments	61	150	42	Unpaid family workers [2]	12	14	1
Sales	60.2	142.0	22.2	**Retail trade:**			
Annual payroll	16.3	46.3	3.7	Establishments	802	1,191	258
Paid employees [1]	1,383	3,283	732	Sales	412.9	489.2	56.7
Unpaid family workers [2]	14	23	14	Annual payroll	46.6	57.9	7.4
Manufacturing:				Paid employees [1]	5,400	6,980	1,490
Establishments	22	71	6	Unpaid family workers [2]	401	357	199
Sales	(D)	(D)	2.1	**Services:** [3] Establishments	403	1,072	147
Annual payroll	8.4	63.1	.5	Sales	118.9	146.7	25.4
Paid employees [1]	638	2,830	97	Annual payroll	31.5	42.6	6.9
Unpaid family workers [2]	-	6	-	Paid employees [1]	3,469	4,676	1,262
				Unpaid family workers [2]	80	111	55

- Represents zero. D Withheld to avoid disclosure of information pertaining to a specific organization.

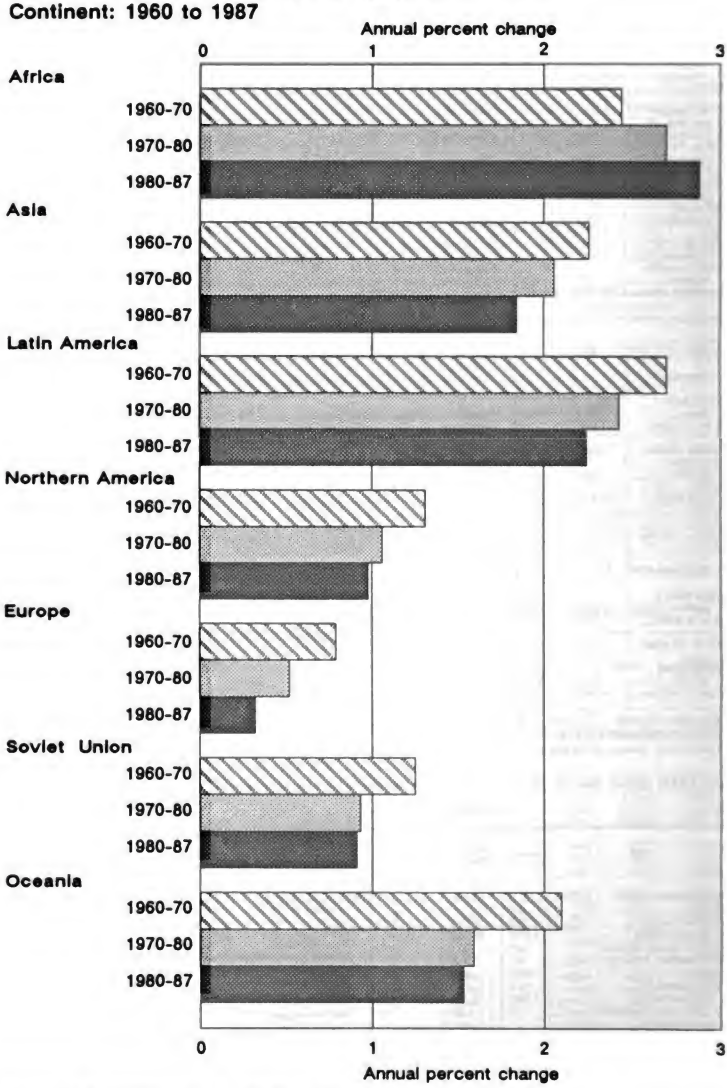
[1] For pay period including March 12. [2] Includes those who worked 15 hours or more during the week including March 12.

[3] Includes travel agencies, dental labs, and legal, engineering, architectural and surveying services.

Source: U.S. Bureau of the Census, *1982 Economic Census of Outlying Areas*, OAC 82-5 to OAC 82-7.

Digitized by Google

Figure 31.1
World Population-Annual Growth Rate, by Continent: 1960 to 1987



Source: Chart prepared by U.S. Bureau of the Census. For data see table 1375.

Digitized by Google



Section 31

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Selected data are shown for area and population, births and deaths, social and industrial indicators, finances, agriculture, communication, and military affairs.

Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages, expressed in their own or customary units of measure. (For a listing of selected publications, see Guide to Sources.) For handier reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues a number of international summary publications, generally in English and French. Among these are the *Statistical Yearbook;* the *Demographic Yearbook;* the *Yearbook of International Trade Statistics;* the *Yearbook of National Accounts Statistics: Vol. II, International Tables; Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics;* and *Energy Statistics Yearbook.* Specialized agencies of the United Nations also issue international summary publications on agricultural, labor, health, and education statistics. Among these are the *Production Yearbook* and *Trade Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* issued by the International Labour Office, *World Health Statistics* issued by the World Health Organization, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles,* series ISP-30, presents data on individual countries for both a recent census year and the current period; and in the *World Population Profile* series, estimates of basic demographic measures for countries and regions of the world. The *International Population Statistics Reports,* series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries. More detailed population statistics are also available from the Bureau of the Census' computerized data system, the International Data Base.

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers,* published annually, the Arms Control and Disarmament Agency presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, gross national product, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics, Direction of Trade,* and *Balance of Payments Yearbook,* published in English, French, and Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability of data limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a list of sovereign nations, dependencies, and areas of special sovereignty published by the U.S. Department of State in *Status of the World's Nations.* Country names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Department's preferences are used.

The countries and regions in tables 1375, 1376, 1378, and 1379 are classified as either "more developed" or "less developed," according to a *regional* classification system used by the Census Bureau in its *World Population: 1983.* The system is based on the assumption that, within regions, levels of such factors as industrial development, literacy rate, gross reproduction rate, per capita income, etc., are somewhat constant. "More developed" countries comprise Japan, Australia, New Zealand, the Soviet Union, and those countries in Northern America and Europe. All others are "less developed".

Economic associations.—The Organization for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing

Digitized by Google

national economic policies and conditions, was succeeded on September 30, 1961, by the Organization for Economic Cooperation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States, and West Germany, plus Yugoslavia in special status category.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures; considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the United States figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

International comparisons of national accounts data.—In order to compare national accounts data for different countries, it is necessary to convert each country's data into a common unit of currency, usually the U.S. dollar. The market exchange rates which are often used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. For example, using table 1388, it should not be concluded that the United Kingdom's individual standard of living in 1986 was only 56 percent of that of the U.S., as the statistics may imply. It is obviously necessary that the goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (see table 1389) instead of exchange rates is intended to achieve this objective.

The method used to present the data shown in table 1389 is to construct volume measures directly by revaluing the goods and services sold in different countries at a common set of international prices. By dividing the ratio of the gross domestic products of two countries expressed in their own national currencies by the corresponding ratio calculated at constant international prices, it is possible to derive the implied purchasing power parity (PPP) between the two currencies concerned. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further information, see *National Accounts, Main Aggregates,* volume I, issued annually by the Organization for Economic Cooperation and Development, Paris, France.

Digitized by Google

No. 1373. World Summary: 1970 to 1986

[See text, section 31, for general comments concerning quality of the data]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986
Population	Millions	3,678	4,033	4,378	4,453	4,528	4,607	4,684	4,760	4,837	4,917
Agriculture, forestry, and fishing:											
Barley	Mil. metric tons	126	140	158	160	152	164	162	172	176	180
Coffee	Mil. metric tons	3.9	4.7	4.9	4.6	8.0	5.1	5.7	5.2	5.9	5.2
Corn	Mil. metric tons	278	346	419	396	450	450	348	453	486	481
Cotton (lint)	Mil. metric tons	11.8	12.3	13.9	13.9	15.3	14.8	14.3	16.3	17.2	15.0
Meats	Mil. metric tons	(NA)	(NA)	130	134	136	137	142	145	150	155
Peanuts (groundnuts)	Mil. metric tons	18.5	19.7	18.0	17.1	20.5	18.1	19.0	20.1	21.3	21.7
Potatoes	Mil. metric tons	268	259	320	264	289	268	268	312	300	309
Rice	Mil. metric tons	316	358	377	399	412	424	452	470	475	476
Tobacco	Mil. metric tons	4.7	5.4	5.4	5.3	6.0	6.9	6.0	6.5	7.0	6.1
Wheat	Mil. metric tons	316	360	429	446	456	483	494	516	506	536
Wool, greasy	Mil. metric tons	(NA)	(NA)	2.7	2.8	2.8	2.8	2.9	2.9	3.0	3.0
Roundwood	Mil. cubic meters	2,814	2,598	2,896	2,942	2,945	2,941	3,053	3,127	3,165	(NA)
Fish catches	Mil. metric tons	66.0	66.7	71.3	72.0	74.6	76.6	76.6	82.6	(NA)	(NA)
Industrial production:											
Wine	Mil. metric tons	(NA)	(NA)	37.6	35.4	31.6	37.3	35.0	32.4	30.8	(NA)
Sugar	Mil. metric tons	72.9	81.5	88.5	84.0	92.8	102.2	97.8	100.6	121.5	122.5
Wheat flour	Mil. metric tons	121.2	125.2	133.6	137.2	139.7	139.7	140.1	141.7	141.0	(NA)
Coal	Mil. metric tons	2,143	2,364	2,686	2,728	2,728	2,828	2,832	2,942	3,178	(NA)
Lignite and brown coal	Mil. metric tons	793	863	965	1,005	1,034	1,069	1,091	1,182	1,232	1,188
Crude petroleum [1]	Bil. bbl	15.7	19.3	22.8	21.6	20.4	19.4	19.3	19.7	19.3	(NA)
Natural gas (dry) [1]	Tril. cu. ft	37.5	44.1	51.7	53.3	54.7	54.2	54.5	59.3	61.1	(NA)
Electricity	Bil. kWh	4,962	6,527	7,999	8,247	8,384	8,476	8,824	9,305	9,675	9,472
Iron ore	Mil. metric tons	421	523	736	743	900	816	781	732	731	740
Pig iron and ferroalloys	Mil. metric tons	440	489	540	531	519	472	475	481	483	484
Tin [2]	1,000 metric tons	184	178	233	227	229	214	204	202	206	212
Crude steel	Mil. metric tons	584	644	739	704	695	629	642	653	655	662
Cement	Mil. metric tons	(NA)	(NA)	859	867	868	866	886	889	908	910
Non-cellulosic fibers [3]	Mil. metric tons	4.9	7.4	10.6	10.5	10.8	10.1	11.1	11.9	12.5	11.4
Sawnwood	Mil. cubic meters	413	402	451	438	419	421	453	461	465	(NA)
Woodpulp	Mil. metric tons	97.2	97.9	118.7	121.1	120.6	115.3	123.9	131.1	(NA)	(NA)
Newsprint	Mil. metric tons	21.6	21.0	25.3	26.1	27.3	25.8	26.9	28.9	(NA)	(NA)
Merchant vessels, launched [4]	Mil. gross tons	21.7	35.9	11.6	13.9	17.1	17.3	14.9	17.7	17.2	(NA)
Motor vehicles	Millions	29.3	33.0	41.6	36.9	37.5	36.4	39.9	41.8	(NA)	(NA)
External trade:											
Imports, c.i.f	Bil. U.S. dollars	329	902	1,689	2,057	2,322	1,905	1,878	1,990	2,043	2,229
Exports, f.o.b	Bil. U.S. dollars	314	874	1,643	1,995	2,215	1,831	1,806	1,902	1,932	2,117
Transport:											
Railway freight	Bil. metric ton-km.	5,027	6,015	6,602	6,754	6,810	6,635	6,855	7,138	7,285	(NA)
Merchant shipping, freight [5]	Mil. metric tons	(NA)	(NA)	3,825	3,676	3,555	3,298	3,287	3,440	(NA)	(NA)
Civil aviation, kilometers flown [6]	Millions	4,353	4,670	9,150	9,440	9,030	9,010	9,320	9,950	10,420	(NA)

NA Not available. [1] Source: U.S. Energy Information Administration, *International Energy Annual* and *Monthly Energy Review*. [2] Excludes China: Mainland. Tin and merchant vessels exclude Soviet Union. For other exclusions, see source. [3] Freight loaded. [4] Scheduled services of members of International Civil Aviation Organization. Excludes Soviet Union.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Monthly Bulletin of Statistics*. (Copyright.)

No. 1374. World Population, 1970 to 1987, and Area, 1987, by Size of Country

[Covers only countries listed in table 1378. See headnote, table 1378]

POPULATION CLASS IN 1987	POPULATION				1987					
	1970		1980		Countries		Population		Area	
	Total (mil.)	Percent of total	Total (mil.)	Percent of total	Total number	Percent of total	Total (mil.)	Percent of total	Total (1,000 sq. mi.)	Percent of total
Total	3,721	100.0	4,476	100.0	206	100.0	5,055	100.0	52,448	100.0
Under 1 million	12	.3	14	.3	74	35.9	16	.3	1,283	2.4
1–5 million	77	2.1	96	2.2	40	19.4	113	2.2	4,708	9.0
5–10 million	157	4.2	187	4.2	29	14.1	215	4.3	3,633	6.9
10–25 million	373	10.0	460	10.3	32	15.5	534	10.6	9,779	18.6
25–50 million	267	7.2	318	7.1	10	4.9	359	7.1	7,821	14.9
Over 50 million	2,836	76.2	3,401	76.0	21	10.2	3,819	75.5	25,224	48.1

Source: Compiled from data in U.S. Bureau of the Census, *World Population Profile, 1987*, forthcoming, and unpublished data.

Digitized by Google

No. 1375. World Population and Growth, by Continent and Region: 1965 to 1987

[For explanation of "more developed" and "less developed" categories, see text, section 31]

Continent and region	Midyear population (millions)						Annual rate of growth [1] (percent)				
	1965	1970	1975	1980	1985	1987	1965–1970	1970–1975	1975–1980	1980–1985	1985–1987
World total	**3,359**	**3,721**	**4,104**	**4,476**	**4,882**	**5,055**	**2.0**	**2.0**	**1.7**	**1.7**	**1.7**
More developed regions	1,002	1,049	1,096	1,137	1,176	1,190	.9	.9	.7	.7	.6
Less developed regions	2,357	2,672	3,008	3,339	3,706	3,864	2.5	2.4	2.1	2.1	2.1
Percent of world	70	72	73	75	76	76	(x)	(x)	(x)	(x)	(x)
Africa [2]	331	376	428	493	569	604	2.5	2.6	2.6	2.9	2.9
Asia	1,871	2,111	2,363	2,594	2,844	2,950	2.4	2.3	1.9	1.8	1.8
More developed regions	99	104	112	117	121	122	1.1	1.3	.9	.7	.5
Less developed regions	1,772	2,007	2,251	2,477	2,723	2,828	2.5	2.3	1.9	1.9	1.9
East Asia [2]	673	991	1,103	1,181	1,255	1,287	2.5	2.1	1.4	1.2	1.3
South Asia [2]	998	1,120	1,260	1,412	1,588	1,663	2.3	2.4	2.3	2.3	2.3
Latin America [2]	250	286	324	365	409	427	2.7	2.5	2.4	2.3	2.2
Middle America [2] [3]	60	70	81	93	104	109	3.1	3.0	2.7	2.3	2.2
Caribbean [2] [3]	23	25	27	29	32	33	1.9	1.8	1.5	1.5	1.5
South America [2] [3]	168	191	216	242	272	285	2.6	2.4	2.3	2.3	2.3
Northern America [3] [4]	214	226	239	252	265	270	1.1	1.1	1.1	1.0	.9
Europe [4]	444	460	474	484	492	495	.7	.6	.4	.3	.3
Soviet Union [4]	231	243	255	266	279	284	1.0	1.0	.9	.9	.9
Oceania	17	19	21	23	24	25	2.1	1.9	1.3	1.6	1.4
Australia and New Zealand [4]	14	15	17	18	19	19	1.9	1.7	1.0	1.3	1.2
Less developed regions	3	4	4	5	6	6	2.7	2.5	2.4	2.4	2.4

X Not applicable. [1] Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Less developed region. [3] For component countries, see table 1379. [4] More developed region.

Source: U.S. Bureau of the Census, unpublished data.

No. 1376. World Population Characteristics, 1975 to 1987, and Projections to 2010

[See headnote, table 1377. For explanation of "more developed" and "less developed" categories, see text, section 31]

Item	Unit	1975	1980	1985	1987	1990	1995	2000	2005	2010
World total	**Millions**	**4,104**	**4,476**	**4,882**	**5,055**	**5,320**	**5,774**	**6,241**	**6,709**	**7,192**
Population per sq. mi	Number	78	85	93	96	101	110	119	128	137
Males	Millions	2,060	2,250	2,457	2,545	2,679	2,909	3,144	3,380	3,621
Females	Millions	2,044	2,227	2,425	2,510	2,641	2,865	3,097	3,330	3,571
Under 5 years old	Percent	13.6	12.4	12.1	11.9	11.6	11.3	10.8	10.3	10.0
5 to 14 years old	Percent	23.5	23.0	21.6	21.1	20.6	20.4	20.0	19.3	18.6
15 to 64 years old	Percent	57.5	58.9	60.7	61.2	61.7	62.0	62.6	63.4	64.2
65 years old and over	Percent	5.4	5.7	5.7	5.6	6.0	6.3	6.7	7.0	7.2
Median age	Years	21.6	22.3	23.2	23.5	24.2	25.2	26.2	27.0	27.8
More developed regions	Millions	1,096	1,137	1,176	1,190	1,211	1,242	1,269	1,293	1,313
Less developed regions	Millions	3,008	3,339	3,706	3,864	4,109	4,533	4,971	5,416	5,879

Source: U.S. Bureau of the Census, unpublished data.

No. 1377. World Vital Statistics and Life Expectancy, 1965 to 1985, and Projections, 1985 to 2005

[Source of data presents 3 variants or series of projections: Medium, high, and low. Figures shown here are for the *medium* variant. Data shown are annual averages]

Item	Unit	1965–1970	1970–1975	1975–1980	1980–1985	1985–1990	1990–1995	1995–2000	2000–2005
World growth rate	Percent	2.0	2.0	1.8	1.7	1.6	1.6	1.5	1.4
Crude birth rate [1]	Per 1,000 population	33.9	31.6	28.4	27.1	26.0	25.0	23.8	22.3
Crude death rate [1]	Per 1,000 population	13.3	12.2	11.2	10.5	9.9	9.3	8.8	8.5
Total fertility rate [2]	Number	4.9	4.4	3.8	3.5	3.3	3.1	3.0	2.8
Life expectancy at birth, both sexes	Years	54.6	56.6	58.0	59.5	61.1	62.6	64.1	65.4
Male	Years	53.7	55.5	56.8	58.2	59.7	61.1	62.4	63.6
Female	Years	55.9	57.7	59.2	60.9	62.6	64.3	65.6	67.2

[1] See headnote, table 1380. [2] Total fertility rate: Average number of children that would be born per woman if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year.

Source: Population Division of the United Nations, New York, NY, *World Population Prospects as Assessed in 1984*, 1986

Digitized by Google

No. 1378. Population and Area, by Region and Country

[Population data generally are de facto figures for the present territory. Population estimates were derived from information available as of mid-1987. See table 1379 for country components of regions. See text, section 31, for general comments concerning the data. For details of methodology, coverage, and reliability, see sources. Minus sign (–) indicates decrease]

Country	Development status of countries [1]	Latest population census [2]		Midyear population estimates					Population per sq. mile, 1987	Area [4] (sq. mile)
				Number (1,000)			Avg. annual percent change [3]			
		Year	Number (1,000)	1970	1980	1987	1970–1980	1980–1987		
World total	(x)	(x)	(x)	**3,721,311**	**4,476,455**	**5,054,798**	**1.8**	**1.7**	**96**	**52,448,290**
Africa	(x)	(x)	(x)	375,984	492,952	603,697	2.7	2.9	52	11,692,673
Northern America [5]	(x)	(x)	(x)	226,483	251,941	269,806	1.1	1.0	32	8,308,538
Latin America	(x)	(x)	(x)	265,722	364,656	426,883	2.4	2.3	54	7,930,816
Middle America	(x)	(x)	(x)	69,744	92,905	109,131	2.9	2.3	113	963,397
Caribbean	(x)	(x)	(x)	24,983	29,432	32,647	1.6	1.5	353	92,376
South America	(x)	(x)	(x)	190,994	242,318	286,105	2.4	2.3	41	6,875,043
East Asia	(x)	(x)	(x)	990,935	1,181,034	1,287,490	1.8	1.2	263	4,550,909
South Asia	(x)	(x)	(x)	1,120,119	1,412,485	1,662,529	2.3	2.3	270	6,146,724
Europe	(x)	(x)	(x)	460,017	484,365	495,215	.5	.3	263	1,881,870
Soviet Union	(x)	(x)	(x)	242,786	266,410	284,008	.9	.9	33	6,649,496
Oceania	(x)	(x)	(x)	19,286	22,613	25,169	1.6	1.5	8	3,287,265
COUNTRIES										
United States	MDC	1980	227,061	205,052	227,757	243,830	1.1	1.0	67	3,618,769
Afghanistan	LDC	A 1979	15,551	12,431	14,985	14,184	1.9	–.6	57	249,999
Albania	MDC	1979	2,591	2,136	2,671	3,086	2.2	2.1	278	11,100
Algeria	LDC	1977	16,260	13,932	18,850	23,461	3.0	3.1	26	919,487
Andorra	MDC	1954	8	20	34	48	5.4	5.1	267	180
Angola	LDC	1970	5,646	5,606	6,796	7,950	1.9	2.2	17	481,351
Antigua and Barbuda	LDC	1970	66	66	69	69	.4	.2	641	108
Argentina	LDC	1980	27,947	23,962	28,237	31,145	1.6	1.4	29	1,068,297
Aruba	LDC	1981	60	59	60	62	.2	.4	828	75
Australia	MDC	1981	14,576	12,660	14,616	16,069	1.4	1.4	5	2,967,894
Austria	MDC	1981	7,555	7,467	7,549	7,569	.1	(z)	234	32,369
Bahamas, The	LDC	1980	210	170	211	239	2.1	1.8	44	5,380
Bahrain	LDC	1981	351	220	348	464	4.6	4.1	1,778	261
Bangladesh	LDC	1981	67,120	67,403	88,077	107,088	2.7	2.8	1,926	55,596
Barbados	LDC	1980	249	239	252	324	.5	3.6	1,951	166
Belgium	MDC	1981	9,849	9,638	9,847	9,873	.2	(z)	837	11,781
Belize	LDC	1980	145	122	147	168	1.9	1.9	19	8,866
Benin	LDC	1979	3,331	2,611	3,435	4,339	2.7	3.3	100	43,483
Bhutan	LDC	1969	1,035	1,045	1,281	1,473	2.0	2.0	82	16,000
Bolivia	LDC	1976	4,613	4,265	5,395	6,310	2.4	2.2	15	424,162
Botswana	LDC	1981	941	584	903	1,149	4.4	3.4	5	231,804
Brazil	LDC	1980	119,003	95,684	123,180	147,095	2.5	2.5	45	3,286,524
Brunei	LDC	1981	193	128	185	250	3.7	4.3	112	2,235
Bulgaria	MDC	1985	8,948	8,490	8,844	8,961	.4	.2	209	42,823
Burkina	LDC	1985	7,976	5,910	7,088	8,276	1.8	2.2	69	92,741
Burma	LDC	1983	35,314	27,386	33,033	38,822	2.0	2.1	149	261,217
Burundi	LDC	1979	3,984	3,513	4,120	5,006	1.6	2.8	466	10,747
Cambodia	LDC	1962	5,729	7,060	5,692	6,536	–2.2	2.0	94	69,898
Cameroon	LDC	1976	7,132	6,727	8,576	10,255	2.4	2.6	56	183,567
Canada	MDC	1981	24,343	21,324	24,070	25,858	1.2	1.0	7	3,849,656
Cape Verde	LDC	1980	296	269	296	344	1.0	2.2	221	1,560
Central African Republic	LDC	1975	2,055	1,627	2,269	2,669	2.2	2.3	11	240,534
Chad	LDC	S 1964	3,254	3,557	4,016	4,646	1.2	2.1	9	495,998
Chile	LDC	1982	11,275	9,369	11,094	12,446	1.7	1.8	43	292,257
China, Mainland	LDC	1982	1,008,152	820,403	983,379	1,074,019	1.8	1.3	290	3,705,390
Taiwan	LDC	1980	17,969	14,598	17,788	19,788	2.0	1.5	1,587	12,456
Colombia	LDC	1985	27,867	21,430	26,518	30,661	2.1	2.1	70	439,735
Comoros [6]	LDC	1980	335	236	334	415	3.4	3.1	495	838
Congo	LDC	1984	1,912	1,183	1,620	2,082	3.1	3.6	18	132,046
Costa Rica	LDC	1984	2,417	1,736	2,307	2,812	2.8	2.8	144	19,575
Cuba	LDC	1981	9,724	8,543	9,653	10,259	1.2	.9	232	44,197
Cyprus	LDC	1982	643	615	627	684	.2	1.2	191	3,572
Czechoslovakia	MDC	1980	15,283	14,319	15,255	15,582	.6	.3	318	49,371
Denmark	MDC	1981	5,124	4,929	5,123	5,122	.4	(–z)	308	16,632
Djibouti	LDC	1979	260	158	279	312	5.7	1.6	37	8,494
Dominica	LDC	1980	74	71	75	94	.6	3.2	324	291
Dominican Republic	LDC	1981	5,648	4,373	5,826	6,961	2.9	2.5	370	16,816
East Germany	MDC	1981	18,706	17,070	16,737	16,610	–.2	–.1	398	41,768
Ecuador	LDC	1982	8,051	6,051	8,123	9,955	2.9	2.9	91	109,483
Egypt	LDC	1976	36,626	33,574	42,239	51,930	2.3	3.0	134	386,660
El Salvador	LDC	1971	3,555	3,583	4,680	5,260	2.7	1.7	648	8,124
Equatorial Guinea	LDC	1983	300	272	262	340	–.4	3.8	31	10,830
Ethiopia	LDC	1984	42,019	31,076	38,563	46,709	2.2	2.7	99	471,776
Fiji	LDC	1976	588	521	631	725	1.9	2.0	102	7,095
Finland	MDC	1980	4,785	4,606	4,780	4,935	.4	.5	38	130,159
France	MDC	1982	54,335	50,787	53,870	55,596	.6	.5	263	211,207
Gabon	LDC	1980	800	514	806	1,044	4.5	3.7	10	103,346
Gambia, The	LDC	1983	688	502	644	760	2.5	2.4	174	4,361
Ghana	LDC	1984	12,206	8,789	10,842	13,949	2.1	3.6	151	92,100
Greece	MDC	1981	9,740	8,793	9,643	9,986	.9	.5	196	50,944
Grenada	LDC	1981	89	95	90	85	.6	–.9	637	133
Guatemala	LDC	1981	6,044	5,262	7,132	8,622	3.0	2.7	205	42,000
Guinea	LDC	1983	5,781	4,584	5,484	6,738	1.8	2.9	71	94,964

See footnotes at end of table.

Digitized by Google

No. 1378. Population and Area, by Region and Country—Continued

[See headnote, p. 795]

Country	Development status of countries [1]	Latest population census [2]		Midyear population estimates					Population per sq. mile, 1987	Area [4] (sq. mile)
				Number (1,000)			Avg. annual percent change [3]			
		Year	Number (1,000)	1970	1980	1987	1970–1980	1980–1987		
Guinea-Bissau	LDC	1979	768	620	789	926	2.4	2.3	66	14,000
Guyana	LDC	1980	759	715	759	766	.6	.1	9	83,000
Haiti	LDC	1982	5,054	4,605	5,473	6,187	1.7	1.8	577	10,714
Honduras	LDC	1974	2,657	2,683	3,776	4,815	3.4	3.5	111	43,277
Hungary	MDC	1980	10,709	10,337	10,711	10,609	.4	–.1	295	35,919
Iceland	MDC	R 1984	240	204	228	245	1.1	1.0	6	39,768
India [7]	LDC	1981	685,185	555,043	688,994	800,326	2.2	2.1	631	1,269,339
Indonesia	LDC	1980	147,490	122,871	154,936	180,368	2.3	2.2	230	782,659
Iran	LDC	1976	33,709	28,933	39,187	50,256	3.0	3.6	79	636,293
Iraq	LDC	1977	12,000	9,414	13,201	16,971	3.4	3.6	101	167,924
Ireland	MDC	1986	3,537	2,955	3,407	3,535	1.4	.5	130	27,136
Israel	LDC	1983	3,699	2,903	3,737	4,222	2.5	1.7	528	8,000
Italy	MDC	1981	56,557	53,661	56,451	57,351	.5	.2	493	116,302
Ivory Coast	LDC	1975	6,714	5,427	8,235	10,767	4.2	3.6	86	124,503
Jamaica	LDC	1982	2,190	1,944	2,229	2,431	1.4	1.2	573	4,244
Japan	MDC	1985	121,047	104,345	116,807	122,032	1.1	.6	849	143,750
Jordan	LDC	1979	2,100	1,503	2,152	2,750	3.6	3.5	79	35,000
Kenya	LDC	1979	15,327	11,272	16,710	22,376	3.9	4.2	99	224,960
Kiribati	LDC	1985	64	49	58	66	1.7	1.9	239	278
Kuwait	LDC	1985	1,695	748	1,370	1,864	6.1	4.4	271	6,880
Laos	LDC	1985	3,585	2,830	3,292	3,766	1.5	1.9	41	91,430
Lebanon	LDC	S 1970	2,126	2,383	3,266	3,321	3.2	.2	830	4,000
Lesotho	LDC	1976	1,217	1,067	1,346	1,622	2.3	2.6	138	11,761
Liberia	LDC	1984	2,102	1,397	1,899	2,384	3.1	3.3	55	43,000
Libya	LDC	1984	3,637	1,956	3,028	3,835	4.4	3.4	6	679,359
Liechtenstein	MDC	1980	25	21	25	27	1.7	1.1	437	62
Luxembourg	MDC	1981	365	339	364	366	.7	.1	367	998
Madagascar	LDC	1975	7,604	6,766	8,699	10,731	2.5	3.0	47	228,919
Malawi	LDC	1977	5,547	4,449	6,008	7,438	3.0	3.1	163	45,747
Malaysia	LDC	1980	13,136	10,910	13,764	16,089	2.3	2.2	125	128,400
Maldives	LDC	1977	143	115	154	196	3.0	3.4	1,703	115
Mali	LDC	1976	6,395	5,525	6,965	8,423	2.3	2.7	18	478,764
Malta	MDC	1967	316	326	364	367	1.1	.1	3,033	121
Mauritania	LDC	1977	1,407	1,227	1,535	1,863	2.2	2.8	5	397,954
Mauritius	LDC	1983	1,000	830	964	1,080	1.5	1.6	1,499	720
Mexico	LDC	1980	66,847	52,775	70,111	81,859	2.8	2.2	107	761,601
Monaco	MDC	1982	27	24	27	29	1.1	1.1	28,641	1
Mongolia	LDC	1979	1,595	1,248	1,662	2,011	2.9	2.7	3	604,100
Morocco	LDC	1982	20,369	15,909	20,545	24,361	2.6	2.4	141	172,413
Mozambique	LDC	1980	11,674	9,304	12,103	14,536	2.6	2.6	48	302,328
Nauru	LDC	1977	7	7	8	9	1.4	1.8	1,094	8
Nepal	LDC	1981	15,023	11,919	14,968	17,814	2.3	2.5	328	54,359
Netherlands	MDC	1971	13,060	13,032	14,144	14,642	.8	.5	928	15,770
New Zealand	MDC	1986	3,308	2,811	3,113	3,314	1.0	.9	32	103,736
Nicaragua	LDC	1971	1,878	2,053	2,793	3,319	3.1	2.5	66	50,193
Niger	LDC	1977	5,098	4,100	5,563	6,989	3.1	3.3	14	489,189
Nigeria	LDC	1963	55,670	66,849	90,035	108,620	3.0	2.7	305	356,667
North Korea	LDC	(X)	(NA)	13,892	17,892	21,448	2.5	2.6	459	46,768
Norway	MDC	1980	4,091	3,877	4,086	4,179	.5	.3	33	125,181
Oman	LDC	(X)	(NA)	654	984	1,227	4.1	3.2	15	82,000
Pakistan [8]	LDC	1981	84,253	65,706	85,219	104,601	2.6	2.9	337	310,403
Panama	LDC	1980	1,825	1,531	1,956	2,275	2.5	2.2	76	29,761
Papua New Guinea	LDC	1980	3,011	2,288	2,991	3,564	2.7	2.5	20	178,259
Paraguay	LDC	1982	3,035	2,477	3,379	4,252	3.1	3.3	27	157,046
Peru	LDC	1981	17,005	13,193	17,295	20,739	2.7	2.6	42	496,222
Philippines	LDC	1980	48,098	38,680	50,866	61,525	2.7	2.7	530	116,000
Poland	MDC	1978	35,081	32,526	35,578	37,727	.9	.8	310	120,700
Portugal	MDC	1981	9,833	9,044	9,778	10,315	.8	.8	290	35,553
Qatar	LDC	1970	111	113	231	316	7.1	4.5	74	4,247
Romania	MDC	1977	21,560	20,253	22,201	22,937	.9	.5	250	91,698
Rwanda	LDC	1978	4,832	3,677	5,281	6,811	3.1	3.6	670	10,169
Saint Christopher and Nevis	LDC	1980	43	46	44	55	–.4	3.1	542	101
Saint Lucia	LDC	1980	113	103	115	152	1.2	4.0	637	239
Saint Vincent and The Grenadines	LDC	1980	98	88	98	106	1.1	1.2	707	150
San Marino	MDC	1976	19	19	21	23	1.1	.9	950	24
Sao Tome and Principe	LDC	1981	97	74	94	114	2.4	2.7	307	372
Saudi Arabia	LDC	1974	7,013	6,109	10,150	14,789	5.1	5.4	18	829,996
Senegal	LDC	1976	5,069	4,318	5,738	7,064	2.8	3.0	93	75,750
Seychelles	LDC	1977	62	53	63	68	1.7	1.0	625	108
Sierra Leone	LDC	1985	3,516	2,769	3,316	3,866	1.7	2.2	140	27,699
Singapore	LDC	1980	2,414	2,075	2,414	2,616	1.5	1.1	10,947	239
Solomon Islands	LDC	1976	197	163	233	301	3.6	3.7	26	11,500
Somalia	LDC	1975	3,938	3,667	6,110	7,742	5.1	3.4	31	246,209
South Africa	LDC	1980	27,942	22,549	29,136	34,313	2.6	2.3	73	471,443
South Korea	LDC	1985	41,056	32,241	38,124	42,198	1.7	1.5	1,110	38,031
Soviet Union	MDC	1979	262,436	242,766	266,410	284,008	.9	.9	33	8,649,496
Spain	MDC	1981	37,682	33,876	37,488	39,001	1.0	.6	200	194,896
Sri Lanka	LDC	1981	14,850	12,532	14,900	16,407	1.7	1.4	648	25,332
Sudan	LDC	1983	20,490	13,786	18,882	23,525	3.1	3.1	24	967,495
Suriname	LDC	1980	352	373	355	389	–.5	1.3	6	63,037
Swaziland	LDC	1976	520	440	584	715	2.8	2.9	107	6,704
Sweden	MDC	1980	8,320	8,043	8,310	8,383	.3	.1	48	173,731
Switzerland	MDC	1980	6,366	6,267	6,385	6,573	.2	.4	413	15,918

See footnotes at end of table

NO. 1378. POPULATION AND AREA, BY REGION AND COUNTRY—Continued

[See headnote, p. 795]

COUNTRY	Development status of countries [1]	LATEST POPULATION CENSUS [2]		MIDYEAR POPULATION ESTIMATES					Population per sq. mile, 1987	Area [4] (sq. mile)
				Number (1,000)			Avg. annual percent change [3]			
		Year	Number (1,000)	1970	1980	1987	1970–1980	1980–1987		
Syria	LDC	1981	9,156	6,258	8,692	11,148	3.3	3.6	156	71,498
Tanzania	LDC	1978	17,513	14,038	18,904	23,502	2.9	3.2	65	363,947
Thailand	LDC	1980	44,825	37,091	46,926	53,646	2.4	1.9	270	198,772
Togo	LDC	1981	2,705	1,964	2,596	3,229	2.8	3.1	147	22,000
Tonga	LDC	1976	90	83	93	99	1.1	.9	257	385
Trinidad and Tobago	LDC	1980	1,058	955	1,056	1,251	1.0	2.4	632	1,980
Tunisia	LDC	1984	6,975	5,099	6,462	7,562	2.4	2.2	120	63,170
Turkey	LDC	1980	44,737	35,758	45,121	52,988	2.3	2.3	176	301,381
Tuvalu	LDC	1979	7	6	8	8	2.5	1.6	833	10
Uganda	LDC	1980	12,630	9,806	12,786	15,909	2.6	3.1	175	91,075
United Arab Emirates	LDC	1980	1,042	249	1,000	1,846	13.9	8.8	57	32,278
United Kingdom	MDC	1981	55,848	55,632	56,314	56,845	.1	.1	603	94,200
Uruguay	LDC	1985	2,931	2,824	2,890	2,964	.2	.4	44	68,037
Vanuatu	LDC	1979	111	85	117	150	3.2	3.5	26	5,700
Venezuela	LDC	1981	14,570	10,604	15,024	18,291	3.5	2.8	52	352,143
Vietnam	LDC	1979	52,742	42,432	53,624	63,585	2.3	2.4	499	127,300
West Germany	MDC	1970	60,651	60,714	61,561	60,989	.1	–.1	635	95,976
Western Samoa	LDC	1981	156	142	155	174	.9	1.7	154	1,133
Yemen (Aden)	LDC	1973	1,590	1,506	1,920	2,351	2.4	2.9	19	124,898
Yemen (Sanaa)	LDC	1975	4,540	4,276	5,404	6,533	2.3	2.7	87	75,000
Yugoslavia	MDC	1981	22,425	20,371	22,304	23,431	.9	.7	237	98,766
Zaire	LDC	1984	29,671	20,294	26,682	32,343	2.7	2.7	36	905,563
Zambia	LDC	1980	5,680	4,247	5,629	7,282	2.8	3.7	25	290,584
Zimbabwe	LDC	1982	7,501	5,515	7,298	9,372	2.8	3.8	62	151,000
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES										
American Samoa	LDC	1980	32	27	32	38	1.7	2.1	495	76
Anguilla	LDC	1984	7	6	7	7	.7	.7	195	35
Bermuda	MDC	1980	55	55	57	58	.4	.2	2,902	20
British Virgin Islands	LDC	1980	11	10	11	12	1.1	1.7	210	59
Cayman Islands	LDC	1979	17	11	18	23	5.2	3.7	232	100
Cook Islands	LDC	1981	18	21	18	18	–1.6	.2	192	93
Faroe Islands	MDC	1979	42	39	43	46	1.2	.9	90	517
French Guiana	LDC	1982	73	48	68	92	3.4	4.4	3	35,100
French Polynesia	LDC	1983	167	114	151	186	2.6	3.0	120	1,544
Gaza Strip	LDC	1967	354	342	453	560	2.8	3.0	3,999	140
Gibraltar	MDC	1981	30	26	29	29	1.0	–.1	14,524	2
Greenland	MDC	1976	50	46	50	54	.8	1.1	(Z)	840,000
Guadeloupe	LDC	1982	327	321	327	336	.2	.4	490	687
Guam	LDC	1980	106	86	107	127	2.1	2.5	607	209
Guernsey	MDC	1981	53	53	53	53	(Z)	–.1	706	75
Hong Kong	LDC	1981	5,021	3,959	5,063	5,592	2.5	1.4	13,671	409
Isle of Man	MDC	1981	65	55	63	65	1.4	.3	286	227
Jersey	MDC	1981	78	69	76	81	.9	.9	1,789	45
Macau	LDC	1981	242	249	318	422	2.5	4.0	70,300	6
Martinique	LDC	1982	327	325	326	345	(Z)	.8	812	425
Mayotte	LDC	1978	47	37	50	64	3.2	3.5	444	145
Montserrat	LDC	1980	12	12	12	12	.2	.4	310	39
Namibia	LDC	1981	1,010	788	998	1,234	2.4	3.0	4	318,261
Netherlands Antilles	LDC	1981	172	156	170	182	.7	1.0	259	703
New Caledonia	LDC	1983	145	112	139	150	2.2	1.0	18	8,548
Northern Mariana Islands	LDC	1980	17	12	17	20	3.1	2.5	109	184
Pacific Is., Trust Terr. of the [9]	LDC	1980	116	89	116	138	2.6	2.5	259	533
Puerto Rico	LDC	1980	3,197	2,716	3,206	3,331	1.7	.5	970	3,435
Reunion	LDC	1982	516	445	507	550	1.3	1.2	567	970
Saint Helena	LDC	1976	6	6	6	9	1.3	3.9	181	47
Saint Pierre and Miquelon	MDC	1982	6	5	6	6	.9	.6	67	93
Turks and Caicos Islands	LDC	1980	7	6	7	9	2.8	2.8	55	166
Virgin Islands	LDC	1980	97	63	96	114	4.3	2.2	857	133
Wallis and Futuna	LDC	1976	9	9	11	14	2.2	3.6	174	80
West Bank	LDC	1967	664	680	833	969	2.0	2.2	429	2,262
Western Sahara	LDC	1970	76	72	83	94	1.4	1.8	1	103,000

NA Not available. X Not applicable. Z Less than .05 percent or .5. [1] MDC = More developed country. LDC = Less developed country. [2] For countries in which no recent census has been taken, survey or national registry data (identified respectively as "S" and "R") are shown. For countries in which the unadjusted census returns are not reported, adjusted census returns (identified as "A") are shown. [3] Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. [4] Data from U.S. Central Intelligence Agency, *The World Factbook Nineteen Hundred and Eighty-six*. U.S. Department of State, *Status of the World's Nations*, periodic; and Statistical Office of the United Nations, New York, NY, *Demographic Yearbook*. [5] Includes Bermuda, Canada, Greenland, St. Pierre and Miquelon, and United States. [6] Excludes Mayotte, an area subject to dispute over sovereignty. [7] Includes the Indian-held part of Jammu and Kashmir. [8] Excludes the Pakistani-held part of Jammu and Kashmir. [9] Excludes Northern Mariana Islands.

Source: U.S. Bureau of the Census, *World Population Profile: 1987*, forthcoming; and unpublished data.

Digitized by Google

No. 1379. Population, Birth Rate, and Death Rate Projections, by Region and for Selected Countries: 1985 to 2000

[Source of data presents 3 series of projections. Figures shown here are for *medium series*. For explanation of "more developed" and "less developed" categories, see text, section 31. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

Region and country	Population (mil.)				Annual percent change			Birth rate [1]		Death rate [1]	
	1985	1990	1995	2000	1985–1990	1990–1995	1995–2000	1985–1990	1990–1995	1985–1990	1990–1995
World, total	**4,836.6**	**5,246.2**	**5,677.6**	**6,121.8**	**1.6**	**1.6**	**1.5**	**26.0**	**25.0**	**9.9**	**9.3**
More developed regions	1,173.8	1,209.8	1,244.0	1,276.6	.6	.6	.5	15.1	14.6	9.5	9.5
Less developed regions	3,662.8	4,036.4	4,433.5	4,845.2	1.9	1.9	1.8	29.4	28.1	10.0	9.3
Africa	554.9	645.3	750.8	871.8	3.0	3.0	3.0	45.2	43.9	15.1	13.7
Eastern Africa [2]	168.4	195.6	230.8	272.2	3.2	3.3	3.3	49.1	48.2	16.9	15.4
Burundi	4.7	5.4	6.3	7.2	2.8	2.9	2.8	45.2	44.4	17.4	15.8
Ethiopia	43.6	50.1	57.8	66.5	2.8	2.9	2.8	49.3	48.2	22.3	20.5
Kenya	20.6	25.4	31.4	38.5	4.2	4.2	4.1	54.2	52.9	12.4	10.9
Madagascar	10.0	11.6	13.4	15.6	2.9	3.0	3.0	44.1	43.5	15.2	14.0
Malawi	6.9	8.2	9.7	11.4	3.3	3.3	3.3	53.1	51.5	20.0	18.3
Mozambique	14.0	16.0	18.4	21.1	2.7	2.8	2.8	45.2	44.7	18.4	16.9
Rwanda	6.1	7.2	8.5	10.1	3.4	3.4	3.4	50.7	50.0	17.2	15.7
Somalia	4.7	5.2	5.8	6.7	2.1	2.3	2.8	47.7	47.5	22.6	20.8
Uganda	15.5	18.4	22.0	26.3	3.5	3.5	3.6	50.1	49.2	15.4	13.9
Tanzania	22.5	27.0	32.5	39.1	3.7	3.7	3.7	50.3	49.6	13.9	12.6
Zambia	6.7	7.9	9.4	11.2	3.4	3.5	3.5	47.9	47.3	13.7	12.5
Zimbabwe	8.8	10.5	12.6	15.1	3.6	3.6	3.6	47.0	46.2	11.0	9.9
Middle Africa [3]	59.5	68.6	79.4	92.0	2.8	2.9	2.9	44.5	44.0	16.2	14.8
Angola	8.8	10.0	11.5	13.2	2.7	2.8	2.8	47.2	46.7	20.6	19.0
Cameroon	9.9	11.4	13.1	15.2	2.8	2.9	2.9	42.5	41.9	14.5	13.2
Central African Rep	2.6	2.9	3.3	3.8	2.4	2.5	2.6	44.3	43.6	20.1	18.5
Chad	5.0	5.7	6.4	7.3	2.4	2.5	2.6	44.2	43.5	19.9	18.3
Zaire	29.9	34.9	40.7	47.6	3.0	3.1	3.1	44.8	44.2	14.5	13.2
Northern Africa [3]	123.0	139.9	157.6	175.6	2.6	2.4	2.2	36.5	32.8	10.5	9.0
Algeria	21.7	25.5	29.5	33.4	3.2	3.0	2.5	41.1	37.0	9.1	7.5
Egypt	46.9	52.5	58.2	63.9	2.3	2.0	1.9	32.9	28.9	9.8	8.1
Libya	3.6	4.3	5.2	6.1	3.7	3.5	3.3	43.9	42.3	9.4	8.1
Morocco	21.9	24.6	27.2	29.5	2.3	2.0	1.7	32.5	27.7	9.5	8.0
Sudan	21.6	24.9	28.7	32.9	2.9	2.9	2.8	44.2	42.0	15.4	13.6
Tunisia	7.1	7.9	8.7	9.4	2.2	1.9	1.7	30.4	26.6	8.7	7.6
Southern Africa [3]	37.2	42.4	48.2	54.8	2.6	2.6	2.5	38.8	37.3	12.9	11.7
South Africa	32.4	36.8	41.6	46.9	2.5	2.5	2.4	37.9	36.3	12.7	11.5
Western Africa [3]	168.8	198.7	234.7	277.5	3.3	3.3	3.4	49.2	48.4	16.7	15.2
Benin	4.1	4.7	5.6	6.5	3.1	3.2	3.2	50.5	49.6	19.4	17.7
Burkina	6.9	7.9	9.1	10.5	2.7	2.8	2.9	47.7	46.8	18.6	17.1
Ghana	13.6	16.1	19.0	22.6	3.4	3.4	3.4	46.9	46.0	13.4	12.1
Guinea	6.1	6.9	7.8	8.9	2.5	2.5	2.6	46.6	45.5	21.9	20.2
Ivory Coast	9.8	11.7	13.7	16.0	3.5	3.2	3.2	45.2	44.6	14.3	13.1
Mali	8.1	9.4	10.9	12.7	2.9	3.0	3.0	50.1	49.0	20.6	19.0
Niger	6.1	7.1	8.3	9.8	3.1	3.1	3.2	50.9	50.2	20.9	19.0
Nigeria	95.2	113.3	135.5	161.9	3.5	3.6	3.6	50.5	49.8	15.7	14.3
Senegal	6.4	7.4	8.5	9.8	2.7	2.8	2.8	46.4	45.7	19.4	17.8
Togo	3.0	3.4	4.0	4.7	3.1	3.1	3.1	44.9	44.1	14.4	13.1
Latin America	404.8	451.1	498.6	546.4	2.2	2.0	1.8	29.7	27.5	7.6	7.1
Caribbean [2]	32.0	34.8	37.6	41.0	1.7	1.7	1.8	26.8	25.7	8.0	7.7
Cuba	10.0	10.5	11.2	11.7	1.0	1.1	1.0	16.2	15.2	6.7	6.5
Dominican Republic	6.2	7.0	7.7	8.4	2.2	2.0	1.8	30.9	28.0	7.1	6.5
Haiti	6.6	7.5	8.6	9.9	2.6	2.7	2.8	40.8	40.1	12.8	11.5
Central America [2]	105.1	119.2	133.9	149.1	2.5	2.3	2.1	32.8	30.2	6.7	6.2
El Salvador	5.6	6.5	7.5	8.7	3.1	3.0	2.9	37.9	35.9	7.0	6.0
Guatemala	8.0	9.2	10.6	12.2	2.9	2.9	2.8	40.8	38.7	8.9	7.7
Honduras	4.4	5.1	6.0	7.0	3.1	3.1	3.2	39.4	37.9	8.4	7.2
Mexico	79.0	89.0	99.2	109.2	2.4	2.2	1.9	31.2	28.4	6.5	6.0
Nicaragua	3.3	3.9	4.5	5.3	3.4	3.2	3.0	41.8	38.7	8.0	6.7
Temperate South America [2]	45.6	49.0	52.2	55.4	1.4	1.3	1.2	22.6	21.0	8.2	8.1
Argentina	30.6	32.9	35.1	37.2	1.5	1.3	1.2	23.2	21.4	8.6	8.5
Chile	12.0	13.0	13.9	14.8	1.5	1.4	1.2	22.0	20.7	6.6	6.6
Uruguay	3.0	3.1	3.2	3.4	.8	.7	.7	18.9	18.2	10.2	10.3
Tropical South America [2]	222.1	248.1	274.6	301.0	2.2	2.0	1.8	30.1	27.7	7.9	7.4
Bolivia	6.4	7.3	8.4	9.7	2.8	2.8	2.9	42.8	41.3	14.1	12.2
Brazil	135.6	150.4	165.1	179.5	2.1	1.9	1.7	28.8	26.1	7.9	7.5
Colombia	28.7	31.8	34.9	38.0	2.1	1.9	1.7	29.2	26.7	7.4	7.1
Ecuador	9.4	10.8	12.3	13.9	2.8	2.7	2.5	35.4	33.6	7.6	7.0
Paraguay	3.7	4.2	4.8	5.4	2.8	2.6	2.3	34.3	31.9	6.8	6.4
Peru	19.7	22.3	25.1	28.0	2.5	2.4	2.1	34.3	31.2	9.2	7.7
Venezuela	17.3	19.7	22.2	24.7	2.6	2.4	2.1	30.7	28.2	5.4	5.3

See footnotes at end of table.

Digitized by Google

No. 1379. Population, Birth Rate, and Death Rate Projections, by Region and for Selected Countries: 1985 to 2000—Continued

[See headnote p. 798]

Region and country	Population				Annual percent change			Birth rate [1]		Death rate [1]	
	1985	1990	1995	2000	1985–1990	1990–1995	1995–2000	1985–1990	1990–1995	1985–1990	1990–1995
Northern America [2]	263.6	275.3	286.7	297.3	.9	.8	.7	15.6	15.1	8.9	8.9
Canada	25.4	26.7	27.9	28.9	1.0	.9	.7	14.9	13.9	7.6	8.0
United States	238.0	248.4	258.7	268.2	.9	.8	.7	15.7	15.2	9.0	9.0
East Asia [2]	1,249.8	1,324.1	1,399.5	1,475.0	1.2	1.1	1.1	18.2	17.8	6.6	6.7
China: Mainland	1,059.5	1,123.8	1,189.6	1,255.9	1.2	1.1	1.1	18.4	18.0	6.8	6.7
Hong Kong	5.5	6.0	6.5	6.8	1.7	1.4	1.0	16.5	15.3	5.9	6.5
Japan	120.7	123.9	126.8	129.7	.5	.5	.5	12.3	12.8	7.2	8.0
North Korea	20.4	22.9	25.5	28.2	2.4	2.2	2.0	29.9	26.5	5.4	5.0
South Korea	41.3	44.8	48.1	51.0	1.7	1.4	1.2	23.2	20.2	5.9	5.8
South Asia	1,568.5	1,733.5	1,904.6	2,074.0	2.0	1.9	1.7	31.1	28.8	11.1	10.0
Eastern South Asia [2]	399.6	439.1	479.9	519.5	1.9	1.8	1.6	28.7	26.7	9.7	8.9
Burma	37.2	40.8	44.7	48.5	1.9	1.8	1.7	28.8	26.7	9.9	8.8
Cambodia	7.3	8.2	9.1	9.8	2.5	2.0	1.4	41.4	34.2	16.8	14.3
Indonesia	166.4	181.5	196.9	211.4	1.7	1.8	1.4	28.8	26.4	11.3	10.2
Laos	4.1	4.6	5.2	5.8	2.4	2.3	2.1	38.1	35.2	13.9	12.3
Malaysia	15.6	17.3	19.0	20.5	2.1	1.9	1.5	27.1	24.0	5.9	5.4
Philippines	54.5	61.0	67.6	74.1	2.3	2.1	1.8	30.8	28.3	7.6	7.1
Singapore	2.6	2.7	2.8	2.9	1.1	1.0	.8	16.5	15.4	5.6	5.8
Thailand	51.4	55.7	60.5	65.5	1.6	1.7	1.6	23.5	23.7	7.4	7.2
Vietnam	59.7	66.2	73.1	79.9	2.1	2.0	1.8	29.6	28.2	9.2	8.3
Middle South Asia [2]	1,055.9	1,164.6	1,276.6	1,386.9	2.0	1.8	1.7	31.5	29.1	11.9	10.7
Afghanistan	16.5	21.0	23.5	26.0	4.8	2.2	2.1	47.5	44.9	23.9	22.9
Bangladesh	101.1	115.2	130.3	145.8	2.6	2.5	2.2	41.7	38.4	15.6	13.9
India	758.9	827.2	896.7	964.1	1.7	1.6	1.5	28.1	25.9	10.9	9.8
Iran	44.6	51.3	58.2	65.2	2.8	2.5	2.3	38.5	34.6	10.8	9.2
Nepal	16.5	18.5	20.7	23.0	2.3	2.3	2.2	39.4	37.8	16.7	15.2
Pakistan	100.4	112.2	125.7	141.0	2.2	2.4	2.1	40.4	36.2	13.8	12.0
Sri Lanka	16.2	17.5	18.6	19.6	1.5	1.2	1.1	24.2	20.5	6.1	5.9
Western South Asia [2]	112.9	129.8	148.1	167.6	2.8	2.6	2.5	35.5	33.4	8.5	7.4
Iraq	15.9	18.8	21.9	25.4	3.3	3.1	2.9	40.8	37.7	7.7	6.5
Israel	4.3	4.8	5.0	5.3	1.7	1.5	1.3	21.3	20.3	7.1	6.8
Jordan	3.5	4.3	5.3	6.4	4.0	4.1	4.0	46.4	46.4	6.8	5.5
Lebanon	2.7	3.0	3.3	3.6	2.1	2.1	1.9	28.9	27.6	7.7	6.6
Saudi Arabia	11.5	14.0	16.7	19.8	3.8	3.6	3.4	40.8	39.2	7.4	6.3
Syria	10.5	12.8	15.1	17.8	3.7	3.6	3.3	45.4	42.3	7.0	5.7
Turkey	49.3	54.6	60.0	65.4	2.1	1.9	1.7	29.2	26.4	8.4	7.5
Yemen (Sanaa)	6.8	7.9	9.3	10.9	2.9	3.1	3.2	47.4	46.5	16.4	14.5
Europe (excl. Soviet Union)	491.9	498.6	505.7	512.5	.3	.3	.3	13.5	13.4	10.8	10.6
Eastern Europe	112.3	115.0	117.5	120.4	.5	.5	.5	15.4	14.7	10.8	10.3
Bulgaria	9.1	9.2	9.4	9.5	.4	.3	.3	14.8	14.7	11.0	11.1
Czechoslovakia	15.6	15.8	16.2	16.8	.3	.4	.5	14.8	14.7	11.4	10.7
East Germany	16.8	16.9	17.0	17.1	.2	.1	.2	14.2	12.9	12.8	11.6
Hungary	10.7	10.7	10.7	10.7	–.1	(Z)	.1	12.1	12.4	12.8	12.3
Poland	37.2	38.5	39.7	40.8	.7	.6	.6	16.4	14.9	9.4	9.1
Romania	23.0	23.8	24.7	25.6	.7	.7	.7	16.9	17.0	10.1	9.8
Northern Europe [2]	82.7	83.1	83.5	83.7	.1	.1	.1	12.9	12.8	11.9	11.8
Denmark	5.1	5.1	5.1	5.1	(–Z)	–.1	–.1	10.9	10.8	11.5	11.7
Finland	4.9	5.0	5.0	5.1	.3	.2	.1	12.8	11.9	10.2	10.3
Ireland	3.8	3.8	4.1	4.3	1.3	1.2	1.1	21.4	20.4	8.8	8.2
Norway	4.1	4.2	4.2	4.2	.2	.1	.1	11.7	11.4	11.0	11.2
Sweden	8.4	8.3	8.2	8.2	–.1	–.2	–.2	10.1	10.1	11.9	12.3
United Kingdom	56.1	56.2	56.3	56.4	(Z)	(Z)	(Z)	13.1	13.1	12.3	12.2
Southern Europe [2]	142.8	145.7	149.1	152.4	.4	.5	.4	14.0	14.4	9.7	9.8
Albania	3.1	3.4	3.8	4.1	2.1	2.1	1.8	26.5	26.1	5.4	5.3
Greece	9.9	10.1	10.3	10.4	.4	.4	.3	14.4	14.1	10.3	10.5
Italy	57.3	57.6	58.1	58.6	.1	.2	.2	11.6	12.7	10.7	10.8
Portugal	10.2	10.5	10.9	11.2	.6	.7	.6	18.6	16.1	9.4	9.2
Spain	38.5	39.7	41.0	42.2	.6	.6	.6	15.1	15.3	8.9	9.1
Yugoslavia	23.2	23.9	24.8	25.2	.6	.6	.5	15.2	14.6	8.9	8.9
Western Europe [2]	154.2	154.8	155.6	156.0	.1	.1	.1	12.0	11.9	11.3	11.0
Austria	7.5	7.5	7.5	7.5	(Z)	(Z)	–	12.4	12.2	12.3	11.9
Belgium	9.9	9.9	10.0	10.0	.1	(Z)	.1	12.2	11.5	11.7	11.5
France	54.8	55.5	56.3	57.2	.3	.3	.3	13.7	13.1	10.6	10.0
Netherlands	14.5	14.7	15.0	15.1	.3	.3	.2	11.7	11.4	8.8	9.1
Switzerland	6.4	6.4	6.4	6.3	(Z)	(–Z)	–.1	10.8	10.5	10.4	10.7
West Germany	60.9	60.3	60.3	59.5	–.2	–.1	–.2	10.6	11.0	12.4	12.2
Soviet Union	278.8	291.8	303.5	314.7	.9	.8	.7	18.3	16.8	9.1	8.9
Oceania [2]	24.8	26.5	28.3	30.1	1.4	1.3	1.2	20.0	19.2	8.2	8.2
Australia	15.7	16.7	17.7	18.6	1.3	1.2	1.0	15.6	15.0	7.7	7.9
New Zealand	3.3	3.5	3.6	3.7	.9	.8	.8	15.8	15.4	8.4	8.5
Papua New Guinea	3.5	4.0	4.4	4.9	2.4	2.3	2.2	35.9	33.9	12.1	11.2

– Represents zero. Z Less than .05 percent. [1] Per 1,000 population. [2] Includes countries not shown separately.

Source: Population Division of the United Nations, New York, NY, *World Population Prospects as Assessed in 1984*, 1986.

Digitized by Google

No. 1380. Urban Population; Growth, Birth, and Death Rates; Life Expectancy; and Infant Mortality—Selected Countries

[Covers countries with 10 million or more population in 1987. **Growth rate:** Annual increase (or decrease) to the population resulting from a surplus or deficit of births over deaths and a surplus or deficit of migrants into or out of the country, expressed as a percentage of the base population. **Crude birth rate:** Number of births during 1 year per 1,000 persons (based on midyear population). **Crude death rate:** Number of deaths during 1 year per 1,000 persons (based on midyear population). Minus sign (−) indicates decrease. **Infant mortality rate:** Number of deaths of children under 1 year of age per 1,000 live births in a calendar year]

Country	Urban population: Year or period	Urban population: Percent of total population	Growth rate of population, 1986 (percent)	Crude birth rate, 1986	Crude death rate, 1986	Expectation of life at birth, 1986: Both sexes (yr.)	Expectation of life at birth, 1986: Male (yr.)	Expectation of life at birth, 1986: Female (yr.)	Infant mortality rate, 1986
United States	1980	74	.9	16	9	75	71	79	11
Afghanistan	1979	15	1.1	45	22	41	42	40	180
Algeria	1977	41	3.1	40	9	63	61	64	84
Argentina	1980	83	1.3	21	9	70	67	74	34
Australia	1981	86	1.2	16	8	76	73	79	9
Bangladesh	1981	15	2.7	43	16	50	51	49	138
Brazil	1980	68	2.5	32	7	66	64	69	63
Burma	1983	24	2.1	34	14	53	52	55	104
Cameroon	1976	29	2.7	43	17	49	47	50	131
Canada	1981	76	.9	15	7	77	73	81	8
Chile	1982	81	1.6	22	8	71	67	75	20
China:									
Mainland	1982	21	1.4	21	7	68	67	69	38
Taiwan	1982	67	1.3	18	5	73	71	76	19
Colombia	1973	64	2.1	26	7	65	63	67	58
Cuba	1981	69	.9	17	7	73	72	74	17
Czechoslovakia	1983	74	.3	14	12	71	68	75	14
East Germany	1983	77	−.1	14	13	73	69	75	11
Egypt	1976	44	2.8	39	11	58	58	59	102
Ethiopia	1984	11	3.9	46	15	50	49	51	120
France	1975	73	.4	14	10	75	71	79	10
Ghana	1970	29	2.9	42	11	58	56	60	73
Hungary	1984	56	−.2	12	14	69	65	73	20
India	1981	23	2.1	32	11	56	55	57	99
Indonesia	1980	22	2.1	31	10	57	56	59	87
Iran	1976	47	3.3	45	13	57	57	57	113
Iraq	1977	64	3.6	45	10	62	61	62	86
Italy	(X)	(NA)	.2	11	10	76	73	80	9
Ivory Coast	1975	32	3.8	46	14	52	50	54	109
Japan	1980	76	.5	12	7	78	75	80	6
Kenya	1979	13	4.2	52	10	60	58	62	76
Madagascar	1975	16	3.1	47	16	50	49	52	105
Malaysia	1980	43	2.1	28	7	66	64	69	35
Mexico	1980	66	2.0	29	6	69	66	72	46
Morocco	1982	43	2.5	36	10	62	60	63	87
Mozambique	1980	15	2.5	47	19	45	43	46	150
Nepal	1971	4	2.4	41	17	48	49	48	106
Netherlands	1981	88	.5	12	8	77	73	80	8
Nigeria	1963	16	2.9	46	18	47	46	48	126
North Korea	(X)	(NA)	2.5	31	6	69	66	72	34
Pakistan	1981	28	2.8	43	15	53	53	54	123
Peru	1981	65	2.6	35	10	61	59	63	91
Philippines	1980	37	2.7	35	7	65	62	68	51
Poland	1984	60	.7	18	10	70	66	74	21
Portugal	1981	30	.6	14	9	74	70	77	17
Romania	1983	52	.5	16	10	70	67	73	25
Saudi Arabia	(X)	(NA)	4.8	39	8	63	62	64	81
South Africa	1980	53	2.3	32	10	60	57	64	68
South Korea	1980	57	1.4	21	6	66	65	72	27
Soviet Union	1984	65	.9	20	11	68	63	73	27
Spain	1981	91	.5	13	8	77	74	80	12
Sri Lanka	1981	22	1.3	23	6	70	68	72	30
Sudan	1983	20	1.7	45	15	52	50	54	105
Syria	1981	47	3.7	44	7	67	66	67	44
Tanzania	1978	14	3.3	50	17	50	48	52	115
Thailand	1980	17	1.6	25	8	64	61	67	54
Turkey	1980	44	2.2	32	9	63	61	64	89
Uganda	1969	8	4.1	49	16	49	48	50	105
United Kingdom	1981	90	.2	13	12	75	72	78	10
Venezuela	1982	77	2.7	32	6	69	66	72	40
Vietnam	1979	19	2.5	34	9	62	60	64	57
West Germany	1981	85	(Z)	10	12	76	72	79	8
Yugoslavia	1981	47	.7	16	9	71	68	74	27
Zaire	1970	22	2.9	45	15	51	50	53	114

NA Not available. X Not applicable. Z Less than .05 percent.

Source: U.S. Bureau of the Census, unpublished data from International Data Base.

Digitized by Google

No. 1381. Population of the World's 100 Largest Urban Areas, 1960 to 1985, and Projections, 1990 and 2000

[**In millions.** The 100 largest cities are large urban agglomerations, composed, in most cases, of the central city, adjacent smaller cities and towns, and suburbs. City boundaries depend on local administrative boundaries, population densities, types of economic activity and other characteristics. Rankings depend on the population living within the urban agglomeration boundaries as determined by local and national governments. Rankings would not necessarily be the same if uniform criteria were used. The estimates for the Chinese cities should be considered tentative]

CITIES RANKED BY POPULATION SIZE, 1985	1960	1965	1970	1975	1980	1985	1990, proj.	2000, proj.
Tokyo/Yokohama, Japan	10.7	12.6	14.9	16.4	17.7	18.8	19.3	20.2
Mexico City, Mexico	5.2	6.9	9.1	11.6	14.5	17.3	20.3	25.8
Sao Paulo, Brazil	4.8	6.4	8.2	10.3	12.8	15.9	18.8	24.0
New York, U.S	14.2	15.4	16.3	15.9	15.6	15.8	15.7	15.8
Shanghai, China: Mainland	10.7	10.8	11.4	11.6	11.8	12.0	12.4	14.3
Calcutta, India	5.6	6.3	7.1	8.3	9.5	11.0	12.5	16.5
Buenos Aires, Argentina	6.9	7.7	8.6	9.3	10.1	10.9	11.7	13.2
Rio de Janeiro, Brazil	5.1	6.1	7.2	8.2	9.2	10.4	11.4	13.3
London, United Kingdom	10.7	10.8	10.6	10.3	10.3	10.4	10.4	10.5
Seoul, South Korea	2.4	3.5	5.4	7.0	8.5	10.3	11.7	13.8
Greater Bombay, India	4.2	5.0	6.0	7.2	8.5	10.1	11.8	16.0
Los Angeles, U.S	6.6	7.5	8.4	9.0	9.5	10.1	10.5	11.0
Osaka/Kobe, Japan	5.8	6.7	7.6	8.0	8.7	9.5	9.8	10.5
Beijing, China: Mainland	7.3	7.6	8.3	8.9	9.1	9.3	9.6	11.2
Moscow, Soviet Union	6.3	6.8	7.1	7.6	8.2	9.0	9.5	10.4
Paris, France	7.2	8.0	8.3	8.6	8.7	8.7	8.7	8.7
Jakarta, Indonesia	2.8	3.5	4.5	5.5	6.7	7.9	9.5	13.3
Tianjin, China: Mainland	6.0	6.3	6.9	7.4	7.7	7.9	8.3	9.7
Cairo/Giza, Egypt	4.5	5.1	5.7	6.3	6.9	7.7	8.6	11.1
Teheran, Iran	1.8	2.5	3.3	4.4	5.8	7.5	9.4	13.6
Delhi, India	2.3	2.9	3.6	4.6	5.9	7.4	9.1	13.2
Milan, Italy	4.5	5.0	5.5	6.2	6.7	7.2	7.5	8.2
Manila/Quezon, Philippines	2.3	2.9	3.8	5.0	6.0	7.0	8.3	11.1
Chicago, U.S	6.0	6.4	6.8	6.8	6.8	6.8	6.9	7.0
Karachi, Pakistan	1.8	2.4	3.1	4.0	5.2	6.7	8.2	12.0
Bangkok, Thailand	2.2	2.7	3.3	4.1	5.0	6.1	7.4	10.7
Lima-Callo, Peru	1.8	2.3	2.9	3.7	4.6	5.7	6.8	9.1
Madras, India	1.7	2.3	3.1	3.8	4.4	5.2	6.0	8.2
Hong Kong, Hong Kong	2.7	3.3	3.5	4.0	4.6	5.1	5.6	6.4
Leningrad, Soviet Union	3.5	3.8	4.0	4.3	4.7	5.1	5.4	5.9
Dacca, Bangladesh	.7	1.0	1.5	2.4	3.4	4.9	6.5	11.2
Madrid, Spain	2.2	2.7	3.4	3.8	4.3	4.7	5.0	5.4
Bogota, Colombia	1.3	1.8	2.4	3.0	3.7	4.5	5.3	6.5
Baghdad, Iraq	1.0	1.6	2.1	2.7	3.6	4.4	5.3	7.4
Philadelphia, U.S	3.7	3.9	4.1	4.1	4.1	4.2	4.2	4.4
Santiago, Chile	2.1	2.6	3.0	3.4	3.7	4.2	4.6	5.3
Naples, Italy	3.2	3.4	3.6	3.8	4.0	4.1	4.2	4.3
Pusan, South Korea	1.2	1.4	1.9	2.5	3.2	4.1	4.9	6.2
Shenyang, China: Mainland	2.5	2.8	3.1	3.5	3.8	4.1	4.4	5.4
Bangalore, India	1.2	1.4	1.7	2.2	3.0	4.0	5.1	8.0
Detroit, U.S	3.6	3.8	4.0	3.9	3.8	3.8	3.9	4.0
Sydney, Australia	2.1	2.4	2.7	3.0	3.4	3.8	3.9	4.2
Caracas, Venezuela	1.3	1.7	2.1	2.6	3.2	3.7	4.2	5.0
Lahore, Pakistan	1.2	1.6	2.0	2.4	3.0	3.7	4.4	6.2
Rome, Italy	2.3	2.7	3.1	3.4	3.6	3.7	3.8	3.9
Lagos, Nigeria	.7	1.0	1.4	2.1	2.8	3.7	4.8	8.3
Wuhan, China: Mainland	2.2	2.4	2.7	3.0	3.2	3.4	3.6	4.4
Guangzhou, China: Mainland	1.9	2.2	2.5	2.8	3.1	3.3	3.6	4.4
San Francisco, U.S	2.5	2.8	3.0	3.1	3.2	3.3	3.4	3.6
Katowice, Poland	2.4	2.6	2.8	2.9	3.1	3.3	3.5	3.8
Belo Horizonte, Brazil	.9	1.2	1.6	2.1	2.6	3.3	3.9	5.1
Barcelona, Spain	1.9	2.3	2.7	2.9	3.1	3.2	3.2	3.4
Toronto, Canada	1.8	2.1	2.6	2.8	3.0	3.2	3.3	3.6
Melbourne, Australia	1.9	2.1	2.3	2.6	2.9	3.2	3.2	3.4
Ahmedabad, India	1.2	1.5	1.7	2.1	2.6	3.1	3.8	5.3
Hyderabad, India	1.3	1.5	1.8	2.2	2.6	3.1	3.7	5.1
Istanbul, Turkey	1.5	2.0	2.8	2.9	2.9	2.9	3.0	3.3
Alexandria, Egypt	1.5	1.8	2.0	2.3	2.6	2.9	3.4	4.4
Washington, DC, U.S	1.8	2.2	2.5	2.6	2.8	2.9	3.0	3.2
Ankara, Turkey	.8	.9	1.3	1.7	2.2	2.9	3.6	5.2
Birmingham, United Kingdom	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9
Montreal, Canada	2.0	2.4	2.7	2.8	2.8	2.8	2.9	2.9
Houston, U.S	1.2	1.4	1.7	2.0	2.4	2.8	3.2	3.7
Guadalajara, Mexico	.9	1.2	1.6	2.0	2.4	2.8	3.2	4.1
Porto Alegre, Brazil	1.0	1.3	1.6	1.9	2.3	2.7	3.2	4.0

Digitized by Google

No. 1381. Population of the World's 100 Largest Urban Areas: 1985—Continued

[See headnote, p. 801]

City	1960	1965	1970	1975	1980	1985	1990, proj.	2000, proj.
Recife, Brazil	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.7
Rangoon, Burma	1.0	1.2	1.4	1.8	2.2	2.7	3.2	4.3
Boston, U.S.	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.8
Chongqing, China: Mainland	2.2	2.3	2.5	2.6	2.6	2.7	2.8	3.3
Casablanca, Morocco	1.1	1.3	1.5	1.9	2.2	2.7	3.2	4.5
Kinshasa, Zaire	.5	.6	1.2	1.6	2.2	2.7	3.3	5.0
Dallas, U.S.	1.2	1.6	2.0	2.2	2.5	2.7	2.9	3.1
Athens, Greece	1.6	2.0	2.1	2.3	2.5	2.7	2.8	3.0
Chengdu, China: Mainland	1.1	1.3	1.6	2.0	2.3	2.7	3.0	3.9
Algiers, Algeria	.9	.9	1.2	1.6	2.1	2.7	3.4	5.1
Ho Chi Minh Village, Vietnam	1.5	1.9	2.3	2.4	2.5	2.6	2.9	3.8
Kiev, Soviet Union	1.2	1.4	1.7	1.9	2.2	2.6	2.9	3.4
Harbin, China: Mainland	1.6	1.7	2.0	2.2	2.4	2.6	2.8	3.5
Singapore, Singapore	1.3	1.4	1.6	2.3	2.4	2.6	2.7	3.0
Monterrey, Mexico	.9	1.1	1.3	1.7	2.1	2.5	3.0	4.0
Manchester, United Kingdom	2.5	2.6	2.5	2.5	2.5	2.5	2.5	2.5
Taibei, China: Taiwan	1.0	1.2	1.5	1.8	2.2	2.5	2.8	3.7
Zibo, China: Mainland	.8	1.0	1.3	1.7	2.0	2.4	2.8	3.7
Surabaja, Indonesia	1.0	1.2	1.5	1.8	2.1	2.4	2.7	3.7
Turin, Italy	1.3	1.4	1.6	1.8	2.1	2.3	2.4	2.6
Xian, China: Mainland	1.3	1.5	1.7	2.0	2.1	2.3	2.4	3.0
Salvador, Brazil	.7	.9	1.2	1.5	1.8	2.2	2.7	3.5
Bucharest, Romania	1.4	1.5	1.7	1.9	2.1	2.2	2.4	2.6
Liupanshui, China: Mainland	1.2	1.4	1.7	1.9	2.0	2.2	2.4	2.9
Hamburg, West Germany	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Nanjing, China: Mainland	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.8
Poona, India	.7	.9	1.1	1.4	1.7	2.1	2.6	3.7
Tashkent, Soviet Union	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.7
Munich, West Germany	1.3	1.5	1.7	1.9	2.0	2.1	2.2	2.2
Medan, Indonesia	.5	.6	.6	.9	1.4	2.1	3.0	5.4
Kitakyushu, Japan	1.3	1.5	1.6	1.7	1.9	2.1	2.1	2.2
Budapest, Hungary	1.6	1.9	2.0	2.1	2.1	2.1	2.1	2.1
West Berlin, West Germany	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0
Kanpur, India	1.0	1.1	1.3	1.5	1.8	2.0	2.4	3.2
Nagoya, Japan	1.5	1.7	1.9	1.9	2.0	2.0	2.0	2.0

Source: United Nations, Dept. for International Economic and Social Affairs, New York, NY, *The Prospects of World Urbanization: Revised as of 1984–1985*, forthcoming.

No. 1382. Death Rates by Selected Causes—Selected Countries

[**Age-standardized death rate per 100,000 population.** For explanation of age-adjustment, see text, section 2. The standard population for this table is the European standard; see source for details. Deaths classified according to ninth revision of *International Classification of Diseases*; see text, section 2]

Country	Year	Ischemic heart disease	Cerebrovascular disease	Malignant neoplasm of—			Bronchitis,[2] emphysema, asthma	Chronic liver disease and cirrhosis	Motor vehicle traffic accidents	Suicide
				Lung, trachea, bronchus	Stomach	Female breast [1]				
United States	1983	229.8	62.8	52.0	6.1	31.3	8.8	13.2	17.5	12.2
Australia	1984	225.7	93.4	39.4	9.8	29.0	15.4	8.5	16.8	11.5
Austria	1985	160.1	137.2	34.8	21.6	31.7	26.9	28.7	18.4	26.2
Belgium	1984	120.8	95.0	55.9	14.7	36.8	22.6	12.4	18.7	22.7
Bulgaria	1984	215.5	240.7	31.8	25.7	20.9	25.9	14.4	12.5	16.6
Canada	1984	208.2	59.5	50.9	9.3	33.5	9.8	10.3	14.9	13.9
Czechoslovakia	1984	289.9	196.9	51.5	24.6	26.4	34.6	20.6	10.2	19.1
Denmark	1984	247.1	73.8	52.5	11.5	39.0	32.0	11.9	12.2	24.8
Finland	1984	264.4	103.0	39.0	19.1	22.9	19.1	6.7	10.3	24.8
France	1984	74.4	79.8	31.7	11.8	27.4	10.3	24.7	19.2	21.3
Hungary	1985	237.8	197.9	50.8	26.1	31.3	45.9	42.3	16.7	43.2
Italy	1981	119.8	114.1	39.1	23.8	27.4	28.4	31.5	17.4	6.7
Japan	1985	45.0	123.8	25.0	42.9	7.9	13.1	15.0	10.5	19.8
Netherlands	1984	163.5	75.6	56.5	16.1	36.8	17.7	5.8	10.8	12.5
New Zealand	1984	251.5	98.3	45.3	11.3	34.3	24.3	4.5	19.5	12.5
Norway	1984	201.3	92.2	25.1	15.4	25.6	17.7	5.8	9.8	14.5
Poland	1984	103.1	70.6	45.3	26.1	21.2	34.2	13.0	15.1	14.7
Portugal	1985	61.5	234.9	18.4	28.2	23.1	21.3	31.1	25.5	9.9
Sweden	1984	242.5	72.3	23.5	11.8	26.3	12.9	7.2	9.2	18.8
Switzerland	1985	114.3	68.0	36.7	12.8	37.5	17.9	11.0	13.1	23.7
United Kingdom:										
England and Wales	1984	243.3	104.3	57.7	16.0	41.9	23.6	4.3	9.2	8.5
Scotland	1985	298.0	129.1	71.3	16.2	38.9	17.8	8.2	11.0	11.1
West Germany	1985	167.0	104.5	34.6	16.8	31.9	26.9	20.7	11.8	18.6

[1] Data for female population only. [2] Chronic and unspecified.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual.

Digitized by Google

No. 1383. Suicide Rates for Selected Countries, by Sex and Age Group

[Rate per 100,000 population. Includes deaths resulting indirectly from self-inflicted injuries. Except as noted, deaths classified according to the ninth revision of the *International Classification of Diseases* (I.C.D.); see text, section 2]

Sex and age	United States, 1983	Australia, 1984	Austria, 1985	Canada, 1984	Denmark, [1] 1984	France, 1984	Italy, 1981	Japan, 1985	Netherlands, 1984	Poland, 1984	Sweden, [1] 1984	United Kingdom, [2] 1984	West Germany, 1985
MALE													
Total [3]	19.2	16.9	40.9	21.4	36.5	32.2	9.8	26.0	15.2	23.6	27.4	11.8	29.4
15–24 yrs. old	18.8	18.8	31.9	26.9	16.1	16.3	5.0	13.0	7.0	16.2	16.4	7.5	19.8
25–34 yrs. old	25.4	23.9	42.5	27.8	37.7	33.6	8.3	23.4	18.8	36.3	36.5	14.0	29.5
35–44 yrs. old	22.7	20.1	53.8	25.3	53.2	36.7	8.9	30.5	19.0	37.0	36.5	16.5	31.8
45–54 yrs. old	23.7	22.7	56.3	28.8	57.1	43.8	14.0	49.6	22.5	39.0	42.2	18.2	40.3
55–64 yrs. old	25.7	24.3	53.9	28.8	65.5	46.1	16.3	41.4	23.7	31.2	30.5	16.8	36.2
65–74 yrs. old	31.7	24.7	71.9	25.1	48.8	64.9	24.9	42.8	28.8	29.1	37.9	17.0	50.2
75 yrs. old and over	50.7	30.4	95.3	33.0	67.3	118.7	36.4	74.8	42.7	29.7	47.5	22.5	79.4
FEMALE													
Total [3]	5.4	5.2	15.7	6.1	21.0	12.4	4.0	13.1	9.6	4.9	11.8	5.7	12.7
15–24 yrs. old	4.2	4.4	7.9	4.3	4.1	4.5	1.7	5.9	3.7	3.8	8.2	6.1	5.3
25–34 yrs. old	6.6	6.5	10.2	7.0	12.9	11.5	3.1	9.8	10.1	5.7	15.3	3.8	8.9
35–44 yrs. old	7.9	8.7	20.5	9.2	28.3	13.9	4.3	11.9	11.1	6.8	15.3	6.4	12.2
45–54 yrs. old	8.9	10.8	19.1	10.5	41.1	17.6	5.2	17.3	14.8	8.3	20.1	9.8	16.5
55–64 yrs. old	6.3	8.2	22.4	10.7	38.1	18.4	7.8	18.6	17.3	8.0	15.0	10.7	18.3
65–74 yrs. old	7.3	8.5	31.0	8.4	37.7	25.3	9.5	29.7	21.2	7.5	17.9	10.6	24.7
75 yrs. old and over	6.1	5.7	32.2	5.8	32.2	28.8	7.7	54.3	14.8	6.4	11.7	10.0	24.6

[1] Based on the eighth revison of the I.C.D. [2] England and Wales only. [3] Includes other age groups not shown separately.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual; and unpublished data.

No. 1384. Selected Measures of Hospital and Physician Utilization—Selected Countries: 1983

Country	Inpatient beds per 1,000 population	Hospital admission rates [1]	Inpatient days per capita	Average length of stay [2]	Hospital occupancy rates [3]	Average physician visits per capita
United States	[4] 5.9	[4] 17.0	[4] 1.7	[4] 9.9	[4] 78.6	[4] 4.6
Australia	[4] 11.0	[5] 21.0	[4] 3.2	[5] 7.4	[4] 79.5	[5] 6.4
Austria	10.8	20.7	3.4	16.3	86.6	(NA)
Belgium	[4] 9.5	[4] 13.9	[4] 2.8	[4] 13.5	[4] 81.6	[4] 7.1
Canada	[5] 6.9	[5] 14.7	[5] 2.1	[4] 13.3	[5] 83.3	[4] 5.5
Denmark	7.4	[4] 19.2	[5] 2.2	[4] 11.9	[4] 78.6	[5] 8.4
Finland	[5] 15.5	20.9	4.8	[5] 22.2	[5] 84.7	3.4
France	11.6	11.8	3.1	14.1	73.2	4.7
Greece	[4] 6.2	[5] 11.9	1.8	[4] 13.0	[4] 71.2	[4] 5.3
Iceland	[4] 11.1	[5] 20.2	[4] 3.9	[5] 18.0	[4] 97.0	[4] 4.9
Ireland	[4] 9.7	[5] 17.6	[4] 1.8	[5] 9.0	[5] 80.1	[4] 6.0
Italy	7.7	15.4	2.2	12.0	78.1	[5] 8.3
Japan	12.1	6.7	3.7	55.1	83.8	[7] 14.2
Luxembourg	13.0	18.1	3.7	21.0	78.4	(NA)
Netherlands	12.0	11.8	4.0	[4] 34.1	91.5	[4] 3.2
New Zealand	9.9	15.7	2.7	12.4	74.8	[4] 3.6
Norway	6.5	14.9	[4] 2.0	[4] 13.0	[4] 77.5	4.5
Portugal	[4] 5.1	[4] 9.8	[4] 1.4	[4] 14.4	[4] 74.5	[4] 3.8
Spain	[4] 5.4	[4] 9.2	[4] 1.3	[4] 14.8	[4] 66.0	[4] 4.7
Sweden	14.0	19.2	4.8	22.7	94.0	2.7
Switzerland	[5] 11.5	[5] 12.8	[4] 3.1	[5] 25.4	[5] 73.7	[4] 5.6
United Kingdom	[4] 8.1	[4] 12.7	[4] 2.4	[4] 18.8	[4] 81.4	4.2
West Germany	[4] 11.1	[5] 18.1	[5] 3.4	[4] 18.7	[5] 84.1	(NA)

NA Not available. [1] Number of persons admitted as percent of population. [2] Number of inpatient days per inpatient admission. [3] Inpatient days per capita multiplied by population divided by (365 multiplied by number of beds). [4] 1981 data. [5] 1980 data. [6] 1982 data. [7] 1978 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Financing and Delivering Health Care*, 1987, and *Measuring Health Care, 1960–1983*, 1985.

Digitized by Google

No. 1385. Health Expenditures and Employment—Selected Countries: 1980 and 1984

[G.D.P. = gross domestic product; for explanation, see text, section 14. For explanation of purchasing power parities, see text, section 31]

Country	Total health expenditures: Percent of G.D.P. 1980	Total health expenditures: Percent of G.D.P. 1984	Total health expenditures: Per capita, 1980 on basis of—: Exchange rates	Per capita, 1980 on basis of—: G.D.P. purchasing power parities	Per capita, 1980 on basis of—: Health purchasing power parities	Public health expenditures, 1984: Percent of gross domestic product	Public health expenditures, 1984: Percent of total health expenditures [1]	Public health expenditures, 1984: Percent distribution: Institutional care	Ambulatory care	Pharmaceutical	Other	Health care employment as percent of total employment, 1984
United States	9.5	10.7	$1,087	$1,087	$809	4.4	41.4	62.4	15.1	1.5	21.0	[2] 5.3
Australia	7.4	7.8	(NA)	(NA)	(NA)	6.6	84.5	[2] 47.6	[2] 18.1	[2] 6.2	[2] 28.1	[2] 6.9
Austria	7.0	7.2	718	803	826	4.4	60.9	[2] 25.3	20.3	9.9	[2] 44.7	[2] 5.4
Belgium	6.1	6.2	747	596	675	5.7	91.6	[4] 21.0	[4] 37.7	[4] 11.8	[4] 29.5	[4] 4.5
Canada	7.3	8.4	787	853	663	6.2	74.4	59.3	[4] 21.2	[4] 2.7	[4] 11.5	[4] 4.8
Denmark	6.8	6.3	879	867	665	5.3	83.4	73.9	22.0	[2] 4.8		[2] 4.8
Finland	6.3	6.6	677	559	853	5.4	78.8	[2] 55.2	[2] 26.1	5.8	[2] 10.7	[2] 5.9
France	6.5	9.1	1,036	837	941	6.5	71.2	59.5	[4] 22.9	13.1	[4] 7.9	[2] 4.4
Greece	4.2	4.6	175	211	289	3.6	79.3	[2] 49.5	[2] 13.4	[2] 14.8	[2] 22.3	[4] 2.1
Iceland	6.9	7.9	(NA)	(NA)	(NA)	6.5	82.7	(NA)	(NA)	(NA)	(NA)	(NA)
Ireland	8.5	8.0	480	510	509	6.9	86.9	[2] 73.4	[2] 11.5	[2] 7.0	[2] 9.7	[2] 5.2
Italy	6.8	7.2	479	541	636	6.1	84.1	55.3	[2] 27.8	13.0	[2] 4.6	[2] 2.8
Japan	6.4	6.6	569	537	832	4.8	72.1	(NA)	(NA)	(NA)	(NA)	[4] 2.9
Luxembourg	6.7	[2] 6.4	845	714	806	(NA)	(NA)	[2] 55.2	[2] 21.5	(NA)	(NA)	(NA)
Netherlands	8.2	8.6	983	773	865	6.8	78.3	69.3	[4] 22.2	7.2	[4] 3.7	7.2
New Zealand	5.7	5.6	(NA)	(NA)	(NA)	4.4	78.4	[2] 69.2	[2] 6.1	12.3	[2] 12.3	[2] 5.7
Norway	6.8	6.3	963	772	1,071	5.6	86.8	[4] 69.9	[4] 15.3	[4] 7.2	[4] 7.6	[4] 10.3
Portugal	5.9	5.5	151	236	375	3.9	71.1	[2] 46.3	[2] 20.7	[2] 20.3	[2] 12.7	[2] 2.5
Spain	5.9	5.8	334	376	405	4.2	72.3	[2] 42.5	[2] 16.7	[2] 15.8	[2] 25.7	[2] 3.3
Sweden	9.5	9.4	(NA)	(NA)	(NA)	8.8	91.4	[2] 72.6	[2] 10.2	[2] 4.9	[2] 12.3	[2] 7.8
Switzerland	7.2	[2] 7.8	(NA)	(NA)	(NA)	(NA)	(NA)	[2] 55.2	–	(NA)	(NA)	[2] 5.6
United Kingdom	5.6	5.9	530	466	653	5.3	88.9	[1] 59.7	[2] 11.2	[2] 10.3	[1] 20.0	[2] 5.3
West Germany	7.9	8.1	1,085	818	825	6.4	78.2	[2] 43.0	[2] 25.5	[2] 19.2	[2] 12.3	[2] 2.2

– Represents zero. NA Not available. [1] Preliminary estimates. [2] 1983 data. [3] 1982 data. [4] 1981 data. [5] 1980 data. [6] Includes parttime and large number employed in social services. [7] 1979 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Financing and Delivering Health Care*, 1987

No. 1386. Public Expenditure for Education and Illiteracy, by Selected Country

[**Expenditure:** Includes both capital and current expenditures on public education and subsidized private education. **Illiteracy:** Defined as inability both to read and write in any, or a specified, language. See text, section 31, for general comments concerning the data. For additional qualifications for individual countries, see source]

Country	Public expenditure for education: Year	Public expenditure for education: Percent of total public expenditure	Public expenditure for education: Percent of gross national product	Percent of adult population illiterate, [1] 1985	Country	Public expenditure for education: Year	Public expenditure for education: Percent of total public expenditure	Public expenditure for education: Percent of gross national product	Percent of adult population illiterate, [1] 1985
United States	1983	(NA)	6.8	(NA)	Mexico	1985	(NA)	[2] 2.6	[2] 9.7
					Morocco	1983	22.0	7.9	66.9
Afghanistan	1982	6.4	(NA)	76.3	Nepal	1985	10.8	3.0	74.4
Algeria	1986	[2] 14.6	(NA)	50.4	Netherlands	1984	(NA)	6.9	(NA)
Argentina	1984	22.6	4.2	4.5	Nigeria	1986	[10] 12.0	(NA)	57.6
Australia	1984	13.2	6.5	(NA)	Pakistan	1985	(NA)	2.1	70.4
Bangladesh	1985	(NA)	[2] 1.9	66.9	Peru	1984	(NA)	2.9	15.2
Brazil	1984	[4] 16.6	[4] 2.9	22.3					
Burma	1977	12.2	1.6	(NA)	Philippines	1985	(NA)	1.3	14.3
Canada	1985	12.7	7.2	(NA)	Poland	1985	[2] 11.6	[2] 1.4.7	(NA)
Chile	1985	15.3	4.4	[2] 5.6	Portugal	1983	11.5	4.2	[2] 16.0
China: Mainland	1985	(NA)	2.9	30.7	Romania	1984	(NA)	2.1	(NA)
					Saudi Arabia	1985	(NA)	8.9	(NA)
Colombia	1985	(NA)	[2] 2.9	11.9	South Korea	1985	26.2	4.9	(NA)
Czechoslovakia	1985	7.9	[2] 5.1	(NA)	Soviet Union	1984	10.2	(NA)	(NA)
East Germany	1985	(NA)	[2] 5.4	(NA)	Spain	1985	14.2	3.3	5.6
Egypt	1985	11.5	5.2	55.5	Sri Lanka	1985	(NA)	3.1	12.9
Ethiopia	1985	8.0	3.6	[2] [6] 44.8	Sudan	1980	9.1	4.8	(NA)
France	1982	(NA)	5.8	(NA)					
Ghana	1985	(NA)	2.3	46.8	Syria	1985	11.6	5.9	40.0
					Tanzania	1985	[2] 19.0	[2] 4.3	(NA)
Hungary	1985	8.2	7.0	(NA)	Thailand	1983	21.1	3.9	8.0
India	1985	9.4	3.7	56.5	Turkey	1985	(NA)	2.3	[2] 25.8
Indonesia	1981	9.3	2.0	25.9	Uganda	1983	(NA)	1.3	42.7
Iran	1985	17.2	(NA)	49.2	United Kingdom	1984	11.3	5.2	(NA)
Iraq	1985	(NA)	3.8	[2] [8] 10.7	Venezuela	1985	21.3	6.6	11.4
Italy	1983	9.6	5.7	[2] 3.0	West Germany	1984	9.2	4.6	(NA)
Japan	1983	18.7	5.6	(NA)	Yugoslavia	1985	(NA)	3.6	8.8
Kenya	1985	(NA)	6.7	40.8	Zaire	1980	[7] 32.3	[1] 3.4	38.8
Malaysia	1985	(NA)	6.6	26.6	Zimbabwe	1985	16.0	8.1	26.0

NA Not available. [1] Population, 15 years old and over. Estimated by source, except as noted. [2] Expenditure of the Ministry of Basic and Secondary Education only. [3] Ministry of Education expenditures only. [4] Excludes expenditures of municipalities. [5] Estimates made by country itself. [6] Percent of net material product. [7] Current expenditures only. [8] Population, 10 years old and over. [9] Population, 15–45 years old. [10] Federal government expenditures only.

Source: United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright)

No. 1387. Gross National Product in Current and Constant (1983) Dollars and Per Capita: 1975 to 1984

[In billions of dollars, except per capita. For explanation of conversion to U.S. dollars, see headnote, table 1424. For explanation of gross national product (GNP), see text, section 14]

Country	Current dollars						Constant (1983) dollars					
										Per capita (dol.)		
	1975	1980	1981	1982	1983	1984	1975	1980	1984	1975	1980	1984
United States	1,598.0	2,732.0	3,053.0	3,166.0	3,406.0	3,765.0	2,775.0	3,306.0	3,640.0	12,850	14,520	15,380
Afghanistan	1.8	2.7	2.6	2.8	3.6	(NA)	2.8	3.3	(NA)	201	214	(NA)
Algeria	17.2	33.9	38.6	43.0	47.6	52.0	29.8	41.1	50.3	1,846	2,180	2,347
Argentina	36.4	57.1	56.1	56.0	59.7	63.3	63.3	69.1	61.2	2,428	2,440	2,024
Austria	30.4	52.8	56.9	61.6	66.7	69.5	52.8	63.7	67.2	6,990	8,432	8,892
Bangladesh	4.9	9.0	10.4	11.1	12.1	13.1	8.5	10.9	12.6	111	124	128
Belgium	41.1	67.4	71.8	77.7	81.2	85.3	71.4	81.6	82.5	7,285	8,266	8,372
Brazil	88.1	173.6	183.0	195.6	196.6	212.3	153.0	210.1	205.2	1,408	1,708	1,505
Bulgaria	28.2	42.6	48.2	52.9	54.0	57.7	49.0	51.8	55.8	5,615	5,850	6,231
Burma	2.2	4.3	5.0	5.6	6.1	6.6	3.9	5.2	6.4	128	157	177
Canada	152.3	254.6	284.2	290.5	313.8	340.8	264.4	308.1	329.4	11,630	12,800	13,100
Chile	8.4	17.4	19.6	17.4	18.1	19.5	14.6	21.1	18.9	1,432	1,914	1,597
China:												
Mainland [1]	96.5	161.0	205.2	237.0	272.4	321.1	167.5	219.0	310.5	182	223	302
Taiwan	15.1	35.8	40.9	45.2	51.0	58.5	26.2	43.3	56.6	1,825	2,433	2,969
Colombia	16.1	30.4	33.4	35.7	37.8	40.0	27.9	36.7	38.7	1,158	1,387	1,344
Czechoslovakia	62.0	99.6	108.7	117.9	124.4	132.7	107.5	120.6	128.3	7,280	7,904	8,298
East Germany	77.4	125.5	140.5	148.8	157.3	168.6	134.4	151.9	163.0	7,974	9,074	9,769
Egypt	11.3	25.3	29.3	32.6	35.8	38.0	19.5	30.7	36.7	528	726	769
Ethiopia	2.1	3.6	4.0	4.3	4.7	4.8	3.7	4.4	4.7	104	113	111
France	246.5	416.8	452.3	491.9	516.0	539.5	427.9	504.4	521.5	8,111	9,364	9,510
Ghana	34.3	52.2	54.3	54.8	55.1	61.2	59.6	63.1	59.2	5,953	5,821	4,692
Greece	16.5	29.4	31.6	33.7	35.0	37.0	28.6	35.6	35.7	3,165	3,695	3,613
Hungary	37.8	60.1	66.4	73.2	75.3	80.3	65.2	72.7	77.6	6,194	6,787	7,277
India	76.9	131.8	149.6	166.3	187.0	200.5	133.5	159.5	193.8	215	222	258
Indonesia	26.9	55.4	65.5	71.9	77.4	84.8	46.7	67.1	82.0	339	433	484
Iran [1]	75.2	113.4	119.8	139.1	157.6	158.8	130.4	137.2	153.5	3,908	3,541	3,504
Iraq [1]	17.6	49.9	30.5	31.5	31.6	34.5	30.5	60.4	33.3	2,743	4,601	2,222
Italy	169.9	295.1	318.0	337.9	352.1	373.1	294.9	357.1	360.7	5,306	6,326	6,330
Japan	476.9	877.9	967.3	1,092.0	1,181.0	1,292.0	827.8	1,062.0	1,249.0	7,419	9,095	10,410
Kenya	2.2	4.2	4.8	5.1	5.6	5.8	3.9	5.1	5.6	267	309	287
Madagascar	1.7	2.8	2.6	2.6	2.7	2.7	3.0	3.2	2.8	393	370	273
Malaysia	9.3	20.0	23.3	26.0	28.2	31.1	16.1	24.3	30.1	1,314	1,762	1,990
Mexico	57.8	112.4	130.1	133.5	133.1	144.2	100.4	136.1	139.4	1,634	1,941	1,795
Morocco	5.4	9.8	10.4	11.9	12.7	13.4	9.3	11.9	12.9	518	580	572
Mozambique	3.1	4.5	4.9	5.1	5.0	5.5	5.4	5.4	5.3	515	446	403
Nepal	1.2	1.9	2.2	2.4	2.5	2.7	2.0	2.3	2.6	151	151	159
Netherlands	67.7	110.8	118.8	125.1	132.4	139.3	117.5	133.8	134.6	8,605	9,462	9,338
Nigeria	41.7	71.6	73.4	75.8	73.8	72.0	72.4	86.6	69.8	939	965	697
North Korea [1]	9.0	15.5	18.6	20.5	21.8	23.0	15.6	18.8	22.2	985	1,048	1,133
Pakistan	10.9	21.5	25.0	27.8	31.3	33.8	18.9	26.0	32.7	253	306	336
Peru	10.9	17.3	19.5	20.9	18.9	20.3	18.9	20.9	19.6	1,246	1,207	1,021
Philippines	13.8	26.5	29.6	32.2	34.1	32.9	23.7	32.0	31.8	532	634	572
Poland	122.6	183.8	190.7	200.6	218.9	235.2	212.6	222.2	227.4	6,265	6,245	6,159
Portugal	8.9	16.0	17.2	18.7	19.8	19.6	15.4	19.4	18.9	1,635	1,975	1,894
Romania	50.8	89.1	97.9	106.9	111.1	120.6	88.2	107.8	116.6	4,151	4,854	5,149
South Africa	37.9	62.3	70.6	75.2	76.8	83.7	65.8	75.4	80.9	2,582	2,625	2,553
South Korea	24.5	50.0	57.6	65.0	76.0	85.3	42.5	60.5	82.5	1,158	1,529	1,963
Soviet Union	941.0	1,529.0	1,672.0	1,830.0	1,966.0	2,067.0	1,633.0	1,850.0	1,998.0	6,419	6,966	7,266
Spain	81.3	128.3	137.5	147.6	155.8	164.4	141.1	155.3	158.9	3,968	4,141	4,119
Sri Lanka	2.0	3.6	4.1	4.6	5.0	5.5	3.4	4.4	5.3	250	296	333
Sudan	3.0	5.2	5.7	6.4	6.5	6.5	5.2	6.3	6.3	322	329	291
Sweden	48.4	73.1	78.1	83.8	89.7	95.3	83.9	88.5	92.1	10,240	10,650	11,050
Switzerland	52.6	82.7	91.5	96.5	101.9	108.1	91.3	100.1	104.5	14,250	15,660	16,220
Syria	7.3	13.7	16.6	18.2	18.9	19.0	12.7	16.6	18.4	1,709	1,864	1,812
Tanzania	3.1	5.1	5.5	5.9	6.1	6.5	5.4	6.2	6.3	344	356	300
Thailand	13.9	28.0	31.7	35.1	39.1	42.6	24.2	33.6	41.2	573	722	814
Turkey	22.5	36.4	40.9	45.8	49.7	54.3	39.0	44.1	52.5	962	977	1,061
Uganda	4.1	4.6	5.2	6.1	6.7	7.3	7.1	5.5	7.0	642	434	494
United Kingdom	235.2	383.0	386.9	420.4	456.0	482.5	408.2	439.2	466.4	7,262	7,799	8,270
Venezuela	34.9	58.3	62.5	66.1	65.3	66.8	60.6	70.5	64.4	4,781	4,694	3,822
West Germany	316.3	542.0	585.1	618.8	655.9	697.2	549.0	655.9	674.0	8,879	10,650	11,020
Yugoslavia	20.6	38.9	42.3	45.8	46.6	49.2	35.7	47.0	47.6	1,671	2,106	2,071
Zaire	4.3	5.9	6.8	6.8	7.1	7.1	7.5	7.2	6.8	322	269	230

NA Not available. [1] Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

Digitized by Google

No. 1388. Organization for Economic Cooperation and Development (OECD)—Gross National Product, 1980 to 1986, and Change, 1980–1985 and 1985–1986

[For interpretation of the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. As a consequence, it should not be concluded, for instance, that the United Kingdom's individual standard of living in 1986 was only 56 percent of that of the U.S., as the statistics may imply. Minus sign (–) indicates decrease. For explanation of annual percent change, see Guide to Tabular Presentation]

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate,[2] 1985–1986 (percent)
	Total in constant (1986) dollars (bil.)[1]			Annual percent change		In constant (1986) dollars[1]			Annual percent change		
	1980	1985	1986	1980–1985	1985–1986	1980	1985	1986	1980–1985	1985–1986	
United States	**3,646.2**	**4,103.5**	**4,206.1**	**2.4**	**2.5**	**16,009**	**17,149**	**17,417**	**1.4**	**1.6**	**2.7**
OECD Europe [3]	**3,557.5**	**3,817.0**	**3,910.7**	**1.4**	**2.5**	**9,036**	**9,471**	**9,656**	**.9**	**2.0**	**5.3**
Belgium	107.8	110.7	112.9	.5	2.0	10,944	11,185	11,408	.4	2.0	4.3
Denmark	67.7	75.6	77.4	2.2	2.3	13,213	14,796	15,107	2.3	2.1	4.0
France	656.7	696.3	710.2	1.2	2.0	12,188	12,621	12,822	.7	1.6	5.0
Greece	37.2	39.0	39.0	.9	–	3,860	3,930	3,914	.4	–.4	21.0
Ireland	21.3	22.1	22.4	.7	1.5	6,274	6,214	6,254	–.2	.6	7.0
Italy	468.6	490.3	502.6	.9	2.5	8,303	8,582	8,783	.6	2.3	7.8
Luxembourg	4.6	5.1	5.2	1.6	2.4	12,861	13,678	14,000	1.2	2.4	5.0
Netherlands	160.2	165.6	166.1	.7	1.5	11,327	11,439	11,547	.2	.9	.3
Portugal	25.2	26.3	27.4	.8	4.3	2,583	2,570	2,665	–.1	3.7	17.8
Spain	205.2	220.5	227.2	1.5	3.0	5,465	5,713	5,851	.9	2.4	10.8
United Kingdom	492.8	542.1	554.6	1.9	2.3	8,752	9,575	9,761	1.8	2.2	3.5
West Germany	619.3	877.1	901.6	1.4	2.8	13,309	14,373	14,769	1.6	2.6	3.0
Austria	85.4	92.6	94.7	1.6	2.3	11,315	12,242	12,524	1.6	2.3	3.5
Finland	59.6	66.2	69.2	2.7	1.5	12,506	13,914	14,037	2.2	.9	5.5
Iceland	3.1	3.2	3.4	.6	5.5	13,522	13,333	14,042	–.3	5.3	23.5
Norway	55.5	64.6	67.4	3.1	4.3	13,567	15,561	16,153	2.8	3.8	–2.3
Sweden	114.6	125.0	127.8	1.7	2.3	13,613	14,966	15,274	1.9	2.1	6.5
Switzerland	130.4	139.4	142.2	1.3	2.0	20,626	21,547	21,876	.9	1.5	4.5
Turkey	41.9	53.3	57.4	4.9	7.6	943	1,081	1,142	2.8	5.6	30.0
Australia	132.0	152.6	154.6	2.9	1.3	8,978	9,686	9,678	1.5	–.1	7.3
Canada	301.7	340.3	350.5	2.4	3.0	12,549	13,413	13,666	1.3	2.0	2.5
Japan	1,610.4	1,949.6	1,994.4	3.9	2.3	13,786	16,146	16,416	3.2	1.7	2.3
New Zealand	21.1	24.8	24.6	3.3	–.8	6,794	7,637	7,575	2.4	–.8	12.0

– Represents zero. [1] National currency values converted into dollars by the average 1986 Market Rate, as published by the International Monetary Fund, Washington, DC. [2] GNP or GDP (Gross Domestic Product) implicit price deflators; totals weighted by 1985 (base year) OECD weights. [3] See text, section 31.

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1976–1986*, Report No. IRR 76 (Revised), 1987, and unpublished data.

No. 1389. Gross Domestic Product, Total and Per Capita, Using Purchasing Power Parities—Selected Countries: 1970 to 1985

[The goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (PPP) instead of exchange rates is intended to achieve this objective. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further explanation of PPP, see text, section 31]

COUNTRY	GROSS DOMESTIC PRODUCT (bil. dol.)						GROSS DOMESTIC PRODUCT PER CAPITA (dollars)					
	1970	1975	1980	1983	1984	1985	1970	1975	1980	1983	1984	1985
United States	**1,009.2**	**1,583.9**	**2,688.5**	**3,353.5**	**3,713.0**	**3,946.6**	**4,922**	**7,334**	**11,804**	**14,282**	**15,665**	**16,494**
EEC, total [1]	**915.0**	**1,487.6**	**2,485.4**	**3,008.9**	**3,195.6**	**3,377.9**	**3,022**	**4,775**	**7,831**	**9,400**	**9,983**	**10,507**
Belgium	29.0	48.2	80.5	95.2	100.7	105.3	3,003	4,920	8,174	9,661	10,214	10,680
Denmark	17.5	27.0	44.1	54.5	58.5	62.7	3,545	5,344	8,613	10,666	11,450	12,254
France	162.7	278.0	470.6	574.6	605.6	631.3	3,204	5,275	8,735	10,503	11,021	11,445
Greece	13.8	24.7	44.0	52.8	56.2	59.7	1,564	2,730	4,567	5,344	5,677	6,001
Ireland	5.4	9.6	17.2	21.0	22.7	23.9	1,816	3,010	5,069	5,985	6,421	6,704
Italy	163.5	258.7	450.3	543.6	584.5	619.3	3,046	4,666	7,983	9,567	10,257	10,841
Luxembourg	1.3	2.1	3.4	4.2	4.6	4.9	3,780	5,889	9,444	11,574	12,676	13,429
Netherlands	46.2	75.9	124.5	146.2	155.7	163.2	3,543	5,554	8,796	10,173	10,795	11,269
Portugal	12.3	20.3	40.0	49.3	49.7	53.3	1,482	2,326	4,306	5,167	5,192	5,526
Spain	73.8	135.7	215.9	263.0	278.3	293.2	2,178	3,821	5,775	6,889	7,250	7,595
United Kingdom	181.7	284.0	443.6	544.8	577.6	618.0	3,265	5,051	7,881	9,664	10,225	10,915
West Germany	208.0	323.4	550.9	659.7	701.5	743.1	3,430	5,231	8,948	10,740	11,466	12,179
Australia	44.5	76.1	125.1	153.9	171.0	184.9	3,474	5,477	8,514	10,004	10,994	11,738
Austria	20.3	34.6	59.1	72.1	76.3	81.1	2,722	4,583	7,825	9,556	10,105	10,729
Canada	84.8	153.4	268.5	328.9	360.3	386.3	3,976	6,750	11,153	13,206	14,330	15,223
Finland	13.4	23.0	38.7	49.5	52.8	56.1	2,907	4,873	8,105	10,202	10,816	11,442
Japan	291.6	505.5	929.5	1,213.7	1,322.3	1,425.2	2,812	4,533	7,958	10,177	11,017	11,803
New Zealand	9.3	15.9	22.6	29.1	31.4	32.7	3,283	5,155	7,176	9,024	9,652	10,037
Norway	12.1	21.4	39.0	49.0	53.6	57.6	3,127	5,331	9,553	11,858	12,947	13,897
Sweden	31.0	49.3	76.1	92.8	100.1	105.5	3,846	6,024	9,156	11,146	12,009	12,639
Turkey	31.7	65.3	111.0	150.7	165.3	179.2	890	1,619	2,481	3,152	3,386	3,594

[1] European Economic Community.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts of OECD Countries*, vol. I, annual.

Digitized by Google

No. 1390. Food and Beverage Expenditures as a Percent of Total Private Consumption Expenditures—Selected Countries: 1984

Country	Total	Food	Non-alcoholic beverages	Alcoholic beverages
United States	**13.0**	**11.0**	**.8**	**1.4**
United Kingdom	17.1	14.5	.6	2.0
Canada	17.4	[1] 13.4	[1].7	3.3
Netherlands	17.6	15.0	.6	2.0
France	20.4	17.9	.5	2.0
Australia	20.8	[1] 15.5	[1].3	5.0
Austria	21.5	18.5	.6	2.4
Denmark	21.6	17.2	.6	3.8
West Germany	21.6	[1] 17.6	[1].7	[1] 3.3
Japan	21.8	[1] 19.9	[1].6	[1] 1.3
Sweden	22.8	18.8	.4	3.6
Belgium	23.3	19.1	1.1	3.1
Norway	24.1	20.0	.9	3.2
Finland	24.6	20.1	.5	4.0
Israel	25.5	23.1	1.8	.8
Switzerland	25.5	20.2	[1] 1.2	[1] 4.1
Italy	27.7	25.6	.3	1.8
Spain [2]	30.7	29.2	.4	1.1
South Africa	32.8	26.4	1.4	5.0
Mexico	35.0	[1] 31.7	[1] 1.1	[1] 2.2
Portugal [2]	35.9	33.1	.2	2.6
Soviet Union [4]	36.8	25.6	[1] 1.0	[1] 10.0
Ireland [2]	37.3	23.8	1.3	12.2
Yugoslavia [5]	37.7	31.2	[1] 1.5	[1] 5.0
South Korea	40.1	36.1	1.0	3.0
Greece	40.4	36.9	1.1	2.4
Hungary [2]	41.4	27.9	[1] 1.5	[1] 12.0
Poland [2]	50.2	36.8	[1] 2.0	[1] 11.4
Philippines	54.1	51.7	[1].7	[1] 1.7
India	55.9	53.1	1.5	1.3

[1] Estimated. [2] Data for 1982. [3] Data for 1981. [4] Data for 1980. [5] Data for 1983.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data. Based on data from United Nations, New York, NY, *Yearbook of National Accounts Statistics, 1985*, vols. II and III; Organization for Economic Cooperation and Development, Paris, France, *National Accounts*, vol. II, 1972–84; and various country yearbooks.

No. 1391. Per Capita Consumption of Wheat and Rice—Selected Countries: 1974 to 1986

[In kilograms per year. Averages of crop years beginning in year shown. Excludes feed use but includes seed and industrial use]

Country	Wheat			Rice		
	1974–1976	1979–1981	1986	1974–1976	1979–1981	1986
World	**73.3**	**78.3**	**81.9**	**56.2**	**59.9**	**63.7**
Developed	91.7	90.8	90.1	18.5	18.2	17.4
United States	63.2	84.2	87.3	6.9	8.9	8.9
Western Europe	110.3	109.5	107.7	3.9	4.1	4.5
Japan	49.9	50.3	50.2	94.9	87.4	80.7
South Africa	63.9	62.8	61.3	2.9	4.3	5.7
Centrally planned	99.2	110.9	119.7	66.9	72.9	82.9
Eastern Europe	166.2	168.9	179.9	3.2	3.4	3.7
Soviet Union	233.5	228.6	198.4	5.9	9.1	6.3
China: Mainland	52.8	71.5	90.7	92.7	99.6	113.9
Developing	49.6	54.7	57.7	62.3	65.9	66.9
Latin America	57.6	58.4	57.9	25.9	29.4	29.7
Mexico	45.3	46.1	42.7	5.3	5.2	5.3
Brazil	48.2	52.8	54.5	44.2	49.5	50.7
Developing—Con.						
Middle East	177.4	195.3	190.6	17.7	21.2	22.4
Iraq	163.8	192.9	205.6	24.6	34.9	37.8
Turkey	232.7	265.1	254.8	4.7	4.9	5.2
South Asia	50.1	56.7	62.4	73.1	75.8	78.1
India	43.2	50.0	57.1	66.6	72.5	76.6
Pakistan	120.1	125.2	126.2	25.1	25.5	20.6
Other Asia	116.8	132.1	144.9	281.5	296.4	307.7
Indonesia	6.0	8.5	8.7	116.8	133.9	145.8
Thailand	2.1	4.0	3.8	180.2	171.2	163.8
North Africa	160.6	175.6	162.2	18.0	16.9	14.1
Algeria	174.4	182.5	200.7	.4	1.1	1.1
Egypt	148.3	170.9	166.6	36.5	34.3	31.8
Other Africa	10.7	13.7	15.4	12.9	16.7	15.4
Nigeria	7.0	15.6	10.8	5.2	13.1	10.8
Sudan	27.5	27.9	33.9	.4	.8	.9

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Agriculture, Situation and Outlook Report*, (WAS–47), March 1987.

No. 1392. Per Capita Consumption of Beef, Pork, and Poultry—Leading Countries: 1985

[In pounds per capita, except as indicated. Beef, veal and pork quantities are in carcass-weight equivalents; poultry quantities are on ready-to-cook basis]

Country	Beef and veal		Country	Pork		Country	Poultry	
	Quantity	Rank		Quantity	Rank		Quantity	Rank
Argentina	178.1	1	Hungary	175.7	1	Israel	95.0	1
Uruguay	146.4	2	East Germany	137.6	2	Saudi Arabia	79.8	2
United States	108.5	3	Denmark	124.1	3	United States	69.7	3
Canada	90.6	4	Czechoslovakia	114.9	4	United Arab Emirates	65.0	4
New Zealand	90.4	5	Austria	114.9	5	Hong Kong	64.8	5
Australia	90.4	6	West Germany	114.2	6	Kuwait	59.3	6
France	68.1	7	Belgium-Luxembourg	101.9	7	Canada	55.1	7
Switzerland	62.4	8	Hong Kong	101.4	8	Hungary	49.2	8
Panama	61.7	9	Switzerland	98.3	9	Australia	47.8	9
Soviet Union	61.1	10	Bulgaria	94.6	10	Spain	47.2	10
Italy	60.8	11	Poland	84.4	11	Venezuela	45.9	11
Belgium-Luxembourg	60.0	12	China: Taiwan	83.8	12	Iraq	44.3	12
Czechoslovakia	58.6	13	Netherlands	82.0	13	Romania	39.5	13
West Germany	51.1	14	France	76.9	14	China: Taiwan	39.2	14
Ireland	50.9	15	Romania	70.3	15	France	39.0	15
			United States	65.5	21			

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farmline*, vol. VIII, No. 7, July 1987.

Digitized by Google

No. 1393. Percent of Households Owning Selected Appliances—Selected Countries: 1984

Appliance	United States [1]	France	Italy	Netherlands	Poland	Soviet Union	Spain	Sweden	United Kingdom	West Germany	Yugoslavia
Clothes washer	73	83	92	90	(NA)	55	93	67	83	91	(NA)
Dishwasher	38	22	19	12	1	(NA)	9	26	8	21	(NA)
Freezer (separate)	37	33	39	47	(NA)	(NA)	13	68	[2] 80	53	47
Range:											
Electric	[2] 54	12	5	10	53	(NA)	92	93	40	73	88
Gas	[2] 45	(NA)	(NA)	(NA)	(NA)	(NA)		(NA)	(NA)	(NA)	
Refrigerator	[2] 100	97	86	[2] 98	(NA)	65	[2] 94	[2] 96	58	82	82
Television set:											
Black and white	43	81	75	33	(NA)	38	84	(NA)	14	56	61
Color	88	56	45	84	(NA)		47	86	88	69	

NA Not available. [1] Represents appliances possessed and generally used by the household (as of November). Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1986. [2] Includes refrigerator/freezers. [3] Stove-top burners only. Oven is considered a separate appliance.

Source: Except as noted, Euromonitor Publications Limited, London, England, *European Marketing Data and Statistics*, annual. (Copyright.)

No. 1394. World Motor Vehicle Registrations—Selected Countries: 1975 to 1985

[In millions, except as indicated]

Country	1975	1980	1985			Country	1975	1980	1985		
			Total vehicles [1]	Cars					Total vehicles [1]	Cars	
				Number	Persons per car					Number	Persons per car
World, total [2]	**327.9**	**411.1**	**487.5**	**314.7**	**13.0**						
United States	133.0	155.9	171.7	132.1	1.8	Nigeria	.3	.9	1.3	.6	168
Brazil	6.7	10.2	11.5	10.1	13.0	Pakistan	.3	.4	.5	.4	245
Canada	11.0	13.2	14.3	11.1	2.3	Philippines	.7	1.1	.5	.3	163
China: Mainland	.7	.9	2.9	.5	2,022	Poland	1.6	3.1	4.5	3.7	10.0
France	17.9	21.7	24.1	21.3	2.6	South Africa	3.0	3.5	4.2	2.9	11.0
India	1.4	1.5	3.7	1.5	525	South Korea	.2	.5	1.1	.6	77.0
Italy	16.3	19.1	23.3	21.5	2.7	Soviet Union	9.8	15.5	21.4	11.7	24.0
Japan	28.1	37.9	46.2	27.8	4.3	Spain	5.9	8.9	10.9	9.3	4.2
Mexico	3.3	4.8	7.2	5.2	15.0	Thailand	.5	.9	1.2	.4	125
						Turkey	.7	1.1	1.5	1.0	51.0
						United Kingdom	18.4	17.4	19.3	18.6	3.0
						West Germany	19.5	24.8	27.8	26.1	2.3

[1] Includes trucks and buses, not shown separately. [2] Includes other countries, not shown separately.

Source: Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI, *MVMA Motor Vehicle Facts & Figures*, annual.

No. 1395. Percentage of Population Served by Waste Water Treatment Plants—Selected Countries: 1970 to 1985

[Primary: Removal of 20–30 percent of the biological oxygen demand (BOD) or more; Secondary: Removal of 80–90 percent of BOD or more; Tertiary: Removal of 95 percent of BOD or more]

Country	Percentage of population served, total				Primary treatment only				Primary and secondary and/or tertiary treatment			
	1970	1975	1980	1985	1970	1975	1980	1985	1970	1975	1980	1985
United States [1]	42.0	[2] 67.0	70.0	[3] 74.0	(NA)	[2] 23.0	17.0	[3] 15.0	(NA)	[2] 44.0	53.0	[3] 59.0
Belgium	3.8	5.5	[4] 22.9	(NA)	–	–	[4] –	(NA)	3.8	5.5	[4] 22.9	(NA)
Canada [5]	(NA)	[2] 49.0	56.0	57.0	(NA)	(NA)	13.0	10.0	(NA)	(NA)	43.0	47.0
France	40.0	(NA)	61.5	[6] 63.7	(NA)	(NA)	2.5	(NA)	(NA)	(NA)	59.0	(NA)
Italy	[7] 14.0	(NA)	30.0	(NA)	[7] 8.0	(NA)	(NA)	(NA)	[7] 6.0	(NA)	(NA)	(NA)
Japan	16.0	23.0	30.0	[3] 36.0	(NA)	(NA)	(NA)	(NA)	[4] 16.0	[4] 23.0	[3] 30.0	[3] [4] 36.0
Netherlands	(NA)	45.0	66.0	[3] 81.0	(NA)	8.0	7.0	[3] 4.0	(NA)	37.0	61.0	[3] 77.0
Spain	(NA)	14.3	17.9	29.0	(NA)	7.0	8.8	13.2	(NA)	7.3	9.1	15.8
Sweden [8]	78.0	98.0	99.0	99.0	12.0	4.0	1.0	1.0	66.0	94.0	98.0	98.0
Switzerland	35.0	55.0	70.0	[4] 81.0	(NA)	(NA)	(NA)	(NA)	35.0	55.0	70.0	[4] 81.0
United Kingdom [10]	(NA)	(NA)	82.0	83.0	(NA)	(NA)	8.0	8.0	(NA)	(NA)	76.0	77.0
West Germany	[11] 81.8	[4] 74.8	81.8	[4] 86.5	[11] 20.5	[4] 18.4	10.2	[4] 7.5	[11] 41.3	[4] 56.4	71.6	[4] 79.0

– Represents zero. NA Not available. [1] Beginning 1980, data not comparable with 1970 and 1975 data and data for secondary treatment include 1 percent and 2 percent of non-discharge treatment. Primary treatment may provide some biological treatment. Secondary is preliminary treatment plus biological process with no additional treatment except disinfection. [2] 1976 data. [3] 1984 data. [4] 1979 data. [5] Secondary usually includes private treatment and includes waste stabilization ponds. Tertiary refers to secondary treatment with phosphorus removal. [6] 1983 data. [7] Estimated. [8] Data for secondary category may include data for primary treatment only. [9] Urban population only (85 percent of total). Primary: Removal of sediments; Secondary: Chemical or biological treatment; Tertiary: Chemical, biological and complementary treatment. [10] England and Wales only. Primary: Removal of gross solids; Secondary: Aerobic removal of organic material or bacteria; Tertiary: Removal of suspended solids following secondary treatment. [11] 1969 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *Environmental Data Compendium, 1987*.

Digitized by Google

No. 1396. Communications—Telephones, Newspapers, Television, and Radio, by Country

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

Country	Telephones per 100 population,[1] 1985	Daily newspaper circulation, copies per 1,000 population,[2] 1984	Television receivers per 1,000 population,[3] 1985	Radio receivers per 1,000 population,[4] 1985
United States	[8] 76.0	268	798	2,101
Algeria	3.5	27	72	221
Argentina	[6] 10.4	(NA)	213	654
Australia	55.0	296	446	1,274
Austria	49.2	385	[7] 435	[7] 820
Bangladesh	[6] .1	6	3	40
Belgium	44.0	223	[7] 300	[7] 457
Bolivia	(NA)	50	66	581
Brazil	8.4	57	184	391
Bulgaria	[6] 20.0	255	[7] 187	[7] 222
Burma	[6] .1	74	1	61
Cambodia	(NA)	(NA)	7	110
Canada	[6] 65.4	220	516	863
Chile	6.3	[6] 116	145	332
China:				
Mainland	.6	29	9	113
Taiwan	[6] 27.7	(NA)	(NA)	(NA)
Colombia	7.0	(NA)	96	139
Costa Rica	12.3	72	77	85
Cuba	5.1	144	197	327
Cyprus	40.5	118	132	284
Czechoslovakia	23.1	298	[7] 280	[7] 272
Denmark	78.3	359	[7] 366	[7] 416
Dominican Republic	[9] 2.9	30	80	160
East Germany	21.8	550	[7] 363	[7] 596
Ecuador	3.6	[6] 84	64	293
Egypt	2.4	[6] 42	82	256
El Salvador	[9] 2.4	(NA)	63	342
Ethiopia	.3	1	2	184
Finland	61.7	535	470	988
France	60.8	[6] 212	394	879
Ghana	[6] .6	35	10	184
Greece	[6] 35.5	(NA)	[7] 174	405
Guatemala	1.6	(NA)	26	44
Honduras	[6] 1.1	[6] 61	64	366
Hong Kong	42.4	(NA)	236	586
Hungary	14.0	254	397	574
Iceland	[6] 52.5	469	[7] 305	[7] 617
India	[10] .5	[6] 21	5	66
Indonesia	[6] .3	18	39	117
Iran	[11] 5.4	22	55	224
Iraq	[6] 4.3	(NA)	57	189
Ireland	26.5	186	252	568
Israel	[10] 38.5	(NA)	258	470
Italy	[13] 44.8	98	[7] 253	[7] 259
Jamaica	[6] 6.0	45	92	385

Country	Telephones per 100 population,[1] 1985	Daily newspaper circulation, copies per 1,000 population,[2] 1984	Television receivers per 1,000 population,[3] 1985	Radio receivers per 1,000 population,[4] 1985
Japan	[10] 55.5	562	580	787
Kenya	[6] 1.3	13	5	78
Kuwait	[6] 15.4	197	235	274
Lebanon	(NA)	(NA)	300	787
Luxembourg	[13] 41.2	(NA)	252	625
Madagascar	[6] .4	5	[6] 8	[6] 213
Malaysia	6.1	323	101	424
Mexico	[6] 9.1	120	108	190
Morocco	1.4	(NA)	52	175
Netherlands	60.9	310	462	827
New Zealand	[10] 64.5	[6] 325	[7] 290	904
Nicaragua	[6] 1.6	47	58	244
Nigeria	.3	[6] 6	5	85
Norway	[6] 62.2	501	[7] 330	780
Pakistan	.6	(NA)	13	90
Panama	10.4	[6] 61	160	183
Paraguay	[6] 2.6	(NA)	23	163
Peru	3.2	(NA)	76	203
Philippines	1.5	(NA)	28	65
Poland	11.3	214	[7] 255	[7] 271
Portugal	18.0	[6] 49	[7] 157	212
Puerto Rico	[6] 20.3	59	246	666
Romania	(NA)	158	[7] 173	[7] 141
Saudi Arabia	11.8	(NA)	269	321
Singapore	[10] 41.7	277	[7] 195	[7] 281
South Africa	[10] 14.3	(NA)	93	309
South Korea	18.6	(NA)	187	937
Soviet Union	11.3	422	296	656
Spain	36.3	80	270	299
Sri Lanka	[6] .7	[6] 11	28	155
Sudan	[6] .4	5	51	251
Sweden	[6] 69.0	521	[7] 390	868
Switzerland	63.2	392	400	821
Syria	5.9	(NA)	57	238
Thailand	1.5	(NA)	97	175
Trinidad and Tobago	[6] 9.6	151	270	321
Tunisia	3.7	39	56	219
Turkey	6.7	(NA)	148	130
United Kingdom	[10] 52.4	414	437	1,016
Uruguay	12.6	(NA)	166	596
Venezuela	6.3	[6] 166	130	422
West Germany	62.1	350	[7] 373	[7] 430
Yugoslavia	[6] 13.2	114	176	193
Zimbabwe	3.2	22	14	43

NA Not available. [1] As of December 31, except as noted. Comprises public and private telephones installed which can be connected to a central exchange. [2] Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. [3] Estimated number of sets in use, except as noted. [4] Data cover estimated number of receivers in use, except as noted, and apply to all types of receivers for radio broadcasts to the public, including receivers connected to a radio "redistribution system" but excluding television sets. [5] For 1984. [6] For 1983. [7] Number of licenses issued. [8] For 1982. [9] For 1980. [10] As of March 31. [11] As of March 21. [12] Includes San Marino. [13] For 1981.

Source: Except Taiwan, Statistical Office of the United Nations, New York, NY, *Statistical Yearbook* (copyright), and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright); Taiwan, U.S. Bureau of the Census. Data from Republic of China publications.

Digitized by Google

No. 1397. Tax Revenues—Selected Countries: 1975 to 1985

[Covers national and local taxes and Social Security contributions. GDP = Gross domestic product; see text, section 14]

Country	Tax revenues, 1985		Percent change in total tax revenue as expressed in national currency					Tax revenues as percent of GDP				
	Total (bil. dol.)	Per capita (dol.)	1975–1980	1980–1985	1982–1983	1983–1984	1984–1985	1975	1980	1983	1984	1985
United States	1,134.1	4,740	78.7	46.5	.5	11.1	9.8	29.0	29.5	28.4	28.4	29.2
Australia	50.6	3,213	89.0	80.0	9.4	16.8	10.7	27.9	29.2	29.1	30.5	30.3
Austria	28.1	3,714	61.5	41.8	5.7	9.6	7.3	38.8	41.2	41.1	42.1	42.5
Belgium	38.0	3,854	61.5	47.1	6.0	9.6	7.5	41.1	43.6	45.5	46.5	46.9
Canada	117.3	4,621	75.5	56.5	8.2	9.2	6.8	32.4	31.6	33.0	33.2	33.1
Denmark	26.5	5,573	90.1	77.6	15.2	12.9	12.3	41.4	45.5	46.5	48.0	49.2
Finland	20.2	4,118	74.0	95.2	11.7	17.7	12.7	35.3	33.3	34.4	36.1	37.3
France	232.5	4,216	116.6	77.4	12.3	11.1	7.2	37.4	42.5	44.6	45.5	45.6
Greece	11.7	1,178	195.7	230.5	25.3	29.6	21.8	24.8	28.6	33.3	34.9	35.1
Italy	146.6	2,565	222.0	139.2	24.1	11.5	10.6	25.1	30.0	35.9	35.1	34.7
Japan	375.2	3,107	95.7	43.3	6.3	7.4	6.0	20.9	25.5	27.2	27.4	28.0
Netherlands	56.2	3,879	60.6	20.9	6.2	1.1	3.6	43.7	45.8	46.7	45.2	45.0
New Zealand	7.5	2,304	120.1	99.7	3.5	13.6	18.6	31.3	33.0	33.1	33.0	34.3
Norway	27.7	6,668	101.4	77.1	7.9	10.7	14.7	44.8	47.1	46.8	45.8	47.8
Portugal	6.5	676	286.4	207.9	31.6	19.9	22.8	24.7	28.7	33.1	32.2	31.1
Spain	47.3	1,226	210.3	119.8	22.9	18.4	9.6	19.8	24.1	27.9	29.2	28.8
Sweden	50.8	6,064	96.4	68.1	13.9	11.3	9.7	43.9	49.4	50.6	50.3	50.5
Switzerland	29.7	4,554	39.3	39.4	5.9	7.1	6.0	29.6	30.8	31.6	32.3	32.1
United Kingdom	171.3	3,025	116.4	64.3	4.8	7.9	8.9	35.4	35.3	37.9	38.4	38.1
West Germany	236.0	3,869	53.2	23.7	4.6	5.3	5.6	35.7	38.0	37.3	37.5	37.8

No. 1398. Percent Distribution of Tax Receipts by Type of Tax—Selected Countries: 1975 to 1985

Country and year	Total [1]	Income and profits taxes [2]			Social security contributions			Taxes on goods and services [5]		
		Total [3]	Individual	Corporate	Total [4]	Employees	Employers	Total [3]	General consumption taxes [6]	Taxes on specific goods, services [7]
United States: 1975	100.0	43.6	32.8	10.8	24.6	9.9	13.9	18.5	8.7	9.5
1980	100.0	47.0	36.9	10.2	26.2	10.0	15.5	16.6	8.6	7.8
1985	100.0	42.8	35.7	7.1	29.4	11.1	17.3	17.7	7.4	7.9
Canada: 1975	100.0	47.3	32.8	13.6	10.1	3.7	6.1	32.0	12.5	13.6
1980	100.0	46.8	34.1	11.6	10.5	3.7	6.8	32.5	11.5	13.0
1985	100.0	44.3	35.5	8.2	13.3	4.7	8.5	31.5	13.2	12.6
France: 1975	100.0	17.6	12.2	5.3	40.8	8.8	29.6	32.9	23.3	8.8
1980	100.0	18.0	12.9	5.0	43.1	11.5	28.9	30.1	21.0	8.2
1985	100.0	17.1	12.7	4.3	43.6	12.2	28.2	29.4	19.9	8.7
Italy: 1975	100.0	21.5	15.2	6.3	45.9	9.0	36.8	29.4	14.3	14.0
1980	100.0	31.1	23.1	7.8	38.0	6.9	28.4	26.5	15.6	9.7
1985	100.0	36.8	26.7	9.2	34.7	6.8	24.8	25.4	14.5	9.1
Japan: 1975	100.0	44.8	23.9	20.6	29.0	10.8	15.1	17.3	-	15.1
1980	100.0	46.1	24.3	21.8	29.1	10.2	14.8	16.3	-	14.1
1985	100.0	45.8	24.8	21.0	30.2	10.7	15.4	14.0	-	12.1
Netherlands: 1975	100.0	34.8	27.1	7.7	38.4	16.4	17.8	24.2	14.4	8.1
1980	100.0	32.8	26.3	6.8	38.1	15.7	17.8	25.2	15.8	7.3
1985	100.0	26.5	19.5	7.0	43.9	19.0	17.5	25.8	16.3	7.3
Sweden: 1975	100.0	50.5	46.1	4.3	19.5	-	18.3	24.3	12.0	10.7
1980	100.0	43.5	41.0	2.5	28.8	-	27.6	24.0	13.4	9.2
1985	100.0	42.0	38.5	3.5	24.8	-	23.7	26.4	13.9	11.4
United Kingdom: 1975	100.0	44.5	37.9	6.7	17.4	6.6	10.3	25.4	8.8	14.6
1980	100.0	37.8	29.4	8.4	16.6	6.4	9.8	29.3	14.5	13.2
1985	100.0	38.9	26.0	12.9	17.5	8.1	8.8	31.6	15.9	13.9
West Germany: 1975	100.0	34.7	30.2	4.5	33.5	14.2	18.5	27.1	14.7	10.9
1980	100.0	35.1	29.6	5.5	34.4	15.3	18.5	27.1	16.6	9.3
1985	100.0	34.8	28.7	6.1	36.5	15.8	19.0	25.6	15.8	8.7

- Represents zero. [1] Includes property taxes, employer payroll taxes other than social security contributions, and miscellaneous taxes, not shown separately. [2] Includes taxes on capital gains. [3] Includes other taxes, not shown separately. [4] Includes contributions of self-employed, not shown separately. [5] Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. [6] Primarily value-added and sales taxes. [7] For example, excise taxes on alcohol, tobacco, and gasoline.

Source of tables 1397 and 1398: Organization for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

Digitized by Google

No. 1399. Employee-Employer Payroll Tax Rates For Social Security Programs—Selected Countries: 1980 to 1985

[In percent. Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs]

Country	All social security programs					Old-age, disability and survivors insurance				
	1980, total	1984, total	1985			1980, total	1984, total	1985		
			Total	Employer	Employee			Total	Employer	Employee
United States	16.81	18.80	18.90	11.85	7.05	10.16	11.40	11.40	5.70	5.70
Canada	6.44	[1] 9.12	[1] 9.24	[1] 5.09	[1] 4.15	3.60	3.60	3.60	1.80	1.80
France	48.45	50.75	51.33	37.61	13.72	[2] 12.90	[2] 14.00	[2] 14.00	[2] 8.20	[2] 5.80
Italy	55.02	55.91	55.91	47.61	8.30	24.46	24.36	24.36	[2] 17.21	7.15
Japan	20.57	22.94	25.50	14.50	11.00	9.10	10.60	12.40	6.20	6.20
Sweden	32.43	30.56	31.66	31.56	.11	20.80	19.95	19.95	19.95	–
United Kingdom	20.45	20.45	19.45	10.45	9.00	(NA)	(NA)	(NA)	(NA)	(NA)
West Germany	34.00	35.60	34.30	18.40	15.90	18.00	18.50	18.70	9.35	9.35

– Represents zero. NA Not available. [1] Excludes work-injury compensation program. [2] Disability and survivors benefits financed through sickness insurance. [3] Excludes termination indemnity.

Source: U.S. Social Security Administration, Office of International Policy, unpublished data.

No. 1400. Consumer Prices—Annual Percent Changes, by Country: 1981 to 1986

[See text, section 31, for general comments concerning the data. For additional qualifications of the data for individual countries, see source. Minus sign (–) indicates decrease. NA Not available]

Country	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986	Country	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986
United States	6.2	3.2	4.3	3.6	1.9	Malaysia	5.8	3.7	3.9	.3	.7
						Mexico	58.9	101.6	65.5	57.7	86.2
Argentina	164.8	343.8	626.7	672.1	90.1	Netherlands	5.9	2.6	3.3	2.2	.2
Australia	11.1	10.1	4.0	6.7	9.1	Nigeria	7.7	23.2	39.6	5.5	1.1
Austria	5.4	3.3	5.7	3.2	1.7	Norway	11.4	6.4	6.3	5.7	7.2
Bangladesh	12.5	9.4	10.5	10.7	11.0	Pakistan	5.9	8.2	6.6	5.8	3.7
Belgium	8.7	7.7	6.3	4.9	1.3	Peru	64.4	111.2	110.2	163.4	77.9
Bolivia	133	269	1,281	11,750	(NA)	Philippines	10.2	10.0	50.3	23.1	.6
Brazil	98.0	142.1	197.0	226.9	145.2	Portugal	22.7	25.1	28.9	19.6	11.8
Canada	10.8	5.6	4.3	4.0	4.2	Romania	16.9	5.2	1.1	–.4	–.1
Chile	9.9	27.3	19.9	30.7	19.5	South Africa	14.7	12.3	11.7	16.2	16.6
Colombia	24.5	19.8	16.1	24.0	18.9	South Korea	7.3	3.4	2.3	2.5	2.3
Ecuador	16.3	48.4	31.2	28.0	23.0	Spain	14.4	12.2	11.3	8.6	6.8
Egypt	14.6	16.1	17.1	13.3	22.6	Sri Lanka	10.6	14.0	16.6	1.5	8.0
France	11.8	9.6	7.4	5.8	2.5	Sweden	8.6	8.9	8.0	7.4	4.2
Ghana	22.3	122.9	39.7	10.3	24.6	Switzerland	5.7	3.0	2.9	3.4	.6
Greece	21.0	20.2	18.4	19.3	23.0	Thailand	5.3	3.7	.9	2.4	1.8
Guatemala	.3	4.5	3.4	18.7	36.9	Turkey	30.6	32.9	48.4	45.0	34.6
India	7.9	11.9	6.3	5.6	6.7	United Kingdom	8.6	4.6	5.0	6.1	3.5
Indonesia	9.5	11.8	10.5	4.7	5.6	Venezuela	9.6	6.3	12.2	11.4	11.5
Iran	16.7	19.7	12.5	4.4	(NA)	West Germany	5.3	3.3	2.4	2.2	–.2
Israel	120.4	145.8	373.8	304.6	48.1	Yugoslavia	32.9	40.2	54.7	72.3	70.3
Italy	16.5	14.6	10.8	9.2	5.9	Zaire	36.2	77.1	52.2	23.8	46.7
Japan	2.6	1.9	2.3	2.0	.6						
Kenya	20.4	11.5	10.2	13.0	4.0						

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly, with annual yearbooks.

No. 1401. Consumer Price Indexes for Selected Items—Selected Countries: 1980 and 1986

[For percent increases in total consumer prices, see table 742. For explanation of average annual percent change, see Guide to Tabular Presentation]

Country	Indexes (1967 = 100)										Avg. annual percent change, 1980–1986			
	Total [1]		Food [2]		Clothing		Housing [2]		Transportation		Food [2]	Clothing	Housing [2]	Transportation
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986				
United States	246.8	328.4	254.6	319.7	171.1	192.0	263.3	360.2	249.7	307.5	3.9	1.9	5.4	3.5
Australia	295.5	480.1	291.8	461.0	301.4	455.5	321.8	537.8	(NA)	(NA)	7.9	7.1	8.9	(NA)
Austria	203.3	262.4	186.5	233.9	178.3	215.5	233.2	311.4	216.6	278.0	3.8	3.2	4.9	4.2
Canada	243.5	362.6	289.9	409.6	195.5	248.8	242.9	362.9	233.1	372.5	5.9	4.1	6.9	8.1
France	294.2	477.2	294.6	484.7	267.0	445.6	309.4	508.7	337.4	536.5	8.6	8.9	8.6	8.0
Italy	403.2	812.5	362.3	727.3	437.3	901.8	385.6	786.7	480.9	956.5	11.3	12.6	12.7	12.1
Japan	261.8	324.9	268.2	330.4	288.7	356.4	226.7	269.0	252.6	278.7	2.3	3.6	2.9	1.7
Netherlands	237.4	292.4	197.8	230.7	256.5	304.7	244.2	324.7	223.9	270.4	2.6	2.9	4.9	3.2
Sweden	270.6	433.8	282.1	522.8	197.2	270.0	314.9	484.0	(NA)	(NA)	10.6	5.4	7.4	(NA)
United Kingdom	423.6	619.9	468.0	635.1	306.4	341.9	421.5	666.2	450.3	608.4	5.2	1.8	7.9	5.1
West Germany	175.6	211.9	158.9	186.6	178.8	215.6	192.8	235.4	186.1	220.2	2.7	3.2	3.4	2.8

NA Not available. [1] Includes other items not shown separately. [2] Restaurant meals, alcohol, and tobacco are included or some countries; excluded for others. [3] Includes shelter, utilities, and household furnishings and operations. However, actual coverage and measurement methods vary significantly from country to country.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic.

Digitized by Google

No. 1402. Labor Force Participation Rates, by Sex, and Females as Percent of Total Labor Force—Selected Countries: 1970 to 1986

Country	Labor force participation rates [1]										Females as percent of total labor force				
	Female					Male									
	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986	1970	1980	1984	1985	1986
United States	50.4	61.3	64.3	65.5	66.5	90.1	87.8	87.0	87.1	87.2	36.7	41.9	43.1	43.5	43.8
Canada	41.1	57.8	62.0	63.2	64.3	87.1	87.5	85.9	86.2	86.5	32.2	40.0	42.2	42.6	42.9
France	47.5	52.5	56.1	56.4	57.2	86.9	83.4	78.6	78.7	78.2	36.6	40.1	42.0	42.2	42.7
Italy	29.1	39.2	40.3	40.6	42.0	82.0	81.2	78.0	77.7	77.7	27.1	33.4	34.8	35.1	35.8
Japan	55.4	54.9	57.2	57.2	57.4	89.4	89.0	84.4	87.8	87.5	39.3	38.7	39.8	39.7	39.8
Sweden	60.6	75.7	78.8	79.7	80.5	90.6	89.8	87.2	87.5	87.5	39.5	45.2	46.9	47.1	47.3
United Kingdom	53.5	61.7	62.2	62.9	63.5	96.1	91.5	87.8	87.8	87.3	36.2	40.3	41.4	41.7	42.0
West Germany	48.1	50.0	49.2	50.4	51.4	92.5	83.6	79.9	79.9	79.2	35.9	37.8	38.5	38.7	39.0

[1] Labor force of all ages as percent of population, 15–64 years old.

No. 1403. Labor Force Participation Rates, by Sex and Age-Group—Selected Countries: 1980 and 1986

[Participation rates represent percent of population of each specified group in labor force]

Country and sex	15–19 years old		20–24 years old		25–54 years old		55–64 years old		65 years and over	
	1980	1986	1980	1986	1980	1986	1980	1986	1980	1986
United States: Total	[1] 56.5	[1] 54.9	77.5	79.0	78.4	81.7	55.1	53.8	11.9	10.3
Male	[1] 60.5	[1] 56.8	85.7	85.4	93.4	93.0	71.2	66.7	18.3	15.4
Female	[1] 52.4	[1] 52.9	69.1	72.5	63.8	70.6	41.0	42.0	7.6	6.9
Canada: Total	55.2	54.3	79.6	80.4	77.4	81.8	53.9	50.3	8.8	7.1
Male	56.1	55.9	86.2	84.5	94.8	93.9	76.2	68.5	14.7	11.8
Female	52.2	52.7	72.9	76.2	60.1	69.8	33.7	33.3	4.3	3.6
France: Total	22.0	15.2	73.7	70.8	79.8	83.2	53.4	39.8	5.0	3.2
Male	25.7	18.2	80.2	76.2	96.4	95.9	66.5	49.5	7.5	5.0
Female	18.3	12.1	67.5	65.5	63.0	70.5	39.7	30.9	3.3	2.0
Italy: Total	[2] 31.1	[2] 26.2	65.1	66.4	[3] 65.9	[3] 68.1	(NA)	(NA)	[4] 11.5	[4] 10.7
Male	[2] 33.0	[2] 27.6	72.5	71.9	[3] 93.1	[3] 91.5	(NA)	(NA)	[4] 19.3	[4] 18.3
Female	[2] 28.9	[2] 24.8	57.9	60.9	[3] 39.9	[3] 45.6	(NA)	(NA)	[4] 5.2	[4] 4.8
Japan: Total	17.9	17.6	69.8	72.2	76.8	78.7	63.1	62.7	26.3	23.7
Male	17.4	18.0	69.6	70.8	97.0	96.6	85.4	82.9	41.0	36.2
Female	18.5	17.2	70.0	73.7	56.7	60.8	45.3	44.7	16.5	15.2
Sweden: Total	55.5	45.0	83.1	81.1	89.3	92.6	66.8	68.3	8.7	6.8
Male	55.3	44.1	84.5	81.5	95.4	95.3	78.7	75.5	14.2	11.0
Female	55.8	46.0	81.6	80.7	82.9	89.8	55.3	61.4	3.7	3.2
United Kingdom: Total	74.4	72.4	77.1	77.0	79.5	80.7	59.4	50.4	6.2	4.6
Male	73.6	73.7	86.0	84.5	95.4	93.3	81.6	67.0	10.3	7.4
Female	75.3	71.1	66.8	69.2	63.4	68.0	39.1	35.0	3.6	2.7
West Germany: Total	43.9	42.9	73.8	73.4	74.0	74.7	42.8	37.0	4.5	3.1
Male	47.0	45.8	79.2	76.0	93.6	90.6	66.5	55.7	7.0	5.0
Female	40.5	39.7	68.0	70.5	53.6	57.8	27.2	22.1	3.1	2.1

NA Not available. [1] Persons 16–19 years old. [2] Persons 14–19 years old. [3] Persons 25–59 years old. [4] Persons 60 years old and over.

Source of tables 1402 and 1403: Organization for Economic Cooperation and Development, Paris, France, *Historical Statistics, 1960–1982*, 1984; and *Labour Force Statistics*, annual.

No. 1404. Labor Force and Unemployment—Selected Countries: 1970 to 1986

[Data based on U.S. labor force definitions adopted in 1967 (see text, section 13) except that minimum age for population base varies as follows: United States, France, Sweden, and, beginning 1975, United Kingdom, 16 years; Australia, Canada, Japan, West Germany, and, for 1970, United Kingdom, 15 years; Italy, 14 years]

Country	Civilian labor force (millions)							Percent unemployed						
	1970	1975	1980	1982	1983	1984	1985	1986	1970	1975	1980	1982	1983	1984	1985	1986
United States	82.8	93.8	106.9	110.2	111.6	113.5	115.5	117.8	4.9	8.5	7.1	9.7	9.6	7.5	7.2	7.0
Australia	5.5	6.2	6.7	6.9	7.0	7.1	7.3	7.6	1.6	4.9	6.1	7.2	10.0	9.0	8.3	8.1
Canada	8.4	10.0	11.6	12.0	12.2	12.4	12.6	12.9	5.7	6.9	7.5	11.0	11.9	11.3	10.5	9.6
France	20.8	21.8	22.8	23.2	23.1	23.3	[1] 23.5		2.5	4.2	6.4	8.3	8.5	9.9	10.4	[1] 10.7
Italy	19.7	20.1	21.1	21.4	21.6	[1] 21.7	[1] 21.8	[1] 22.0	3.2	3.4	4.4	5.4	5.9	[1] 5.9	[1] 6.0	[1] 6.3
Japan	50.7	52.5	55.7	57.0	58.1	58.5	58.8	59.4	1.2	1.9	2.0	2.4	2.7	2.8	2.6	2.8
Sweden	3.9	4.1	4.3	4.4	4.4	4.4	4.4	4.4	1.5	1.6	2.0	3.1	3.5	3.1	2.8	2.7
United Kingdom	25.1	25.7	26.5	[1] 26.7	[1] 26.8	[1] 27.1	[1] 27.3	[1] 27.3	3.1	4.8	7.0	[1] 11.4	[1] 11.9	[1] 11.7	[1] 11.3	[1] 11.5
West Germany [2]	26.2	26.1	26.5	26.7	26.7	[1] 26.9	[1] 27.1	[1] 27.3	.5	3.4	2.9	5.9	7.4	[1] 7.8	[1] 7.9	[1] 7.6

[1] Preliminary estimates based on incomplete data. [2] Includes West Berlin.

Source: U.S. Bureau of Labor Statistics, *Handbook of Labor Statistics*, periodic, and *Monthly Labor Review*.

Digitized by Google

No. 1405. Selected Indexes of Manufacturing Activity—Selected Countries: 1970 to 1986

[1977 = 100. Data relate to all employed persons in the United States and Canada; all employees in other countries. Minus sign (–) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

Index and year	United States	Belgium	Canada	Denmark	France	Italy	Japan	Netherlands	Sweden	United Kingdom	West Germany [1]
Output per hour:											
1970	80.8	59.9	75.6	65.5	69.6	72.7	64.8	64.3	80.7	79.7	71.2
1975	92.9	85.9	86.6	84.6	86.5	91.1	87.7	86.2	100.2	95.2	90.1
1980	101.4	119.7	98.2	112.3	112.0	116.9	122.7	113.9	112.7	101.7	106.6
1985	121.7	153.3	112.7	117.2	138.3	136.8	163.7	145.6	134.5	134.2	126.9
1986	126.0	(NA)	112.1	116.6	140.9	138.4	168.2	(NA)	136.4	138.2	131.4
Average annual percent change:											
1970–1980	2.3	7.2	2.6	5.5	4.9	4.9	6.8	5.9	3.4	2.5	4.3
1980–1985	3.7	5.1	2.8	.8	4.3	3.2	5.9	5.0	3.6	5.7	3.5
1985–1986	3.5	(NA)	–.5	–.5	1.9	1.2	2.8	(NA)	1.4	2.9	1.9
Compensation per hour, national currency basis: [2]											
1970	57.4	34.9	47.9	36.3	36.6	26.1	33.9	39.0	38.5	31.5	48.0
1975	85.1	79.0	78.9	81.0	76.7	70.2	84.2	82.2	77.3	77.3	84.5
1980	132.4	130.4	131.3	135.9	148.2	160.2	120.7	123.6	133.6	166.3	125.6
1985	176.7	183.7	195.9	194.4	252.5	339.5	152.0	159.0	206.9	261.3	162.8
1986	181.9	(NA)	202.2	202.6	274.0	353.9	157.3	(NA)	223.1	282.4	171.0
Average annual percent change:											
1970–1980	8.7	14.1	10.6	14.1	15.0	19.9	13.5	12.2	13.2	18.3	10.1
1980–1985	5.9	7.1	8.3	7.4	12.1	16.2	4.7	5.2	9.4	9.2	5.3
1985–1986	2.9	(NA)	3.3	4.2	4.4	4.2	3.5	(NA)	6.8	8.1	5.1
Real hourly compensation: [2] [3]											
1970	89.6	61.0	79.2	68.5	67.5	62.3	68.7	68.6	71.7	79.2	69.4
1975	95.9	92.3	91.7	98.1	92.2	97.7	99.6	95.4	95.9	105.1	91.3
1980	97.4	112.0	100.2	100.3	107.4	101.6	103.6	106.9	101.8	115.6	112.2
1985	99.5	112.3	104.5	98.0	120.8	112.9	113.9	112.1	101.5	127.1	120.2
1986	100.5	(NA)	103.7	98.6	122.8	110.9	117.1	(NA)	104.0	132.8	126.5
Average annual percent change:											
1970–1980	.6	6.3	2.4	3.9	4.8	5.0	4.2	4.5	3.6	3.9	4.9
1980–1985	.4	–	.8	–.5	2.4	2.1	1.9	.9	–	1.9	1.4
1985–1986	1.0	(NA)	–.8	.6	1.7	–1.8	2.8	(NA)	2.5	4.5	5.3
Unit labor costs, national currency:											
1970	71.0	58.2	63.4	55.4	52.6	36.0	52.3	60.7	47.7	39.5	67.4
1975	91.7	91.1	89.1	85.6	88.7	77.1	96.0	95.4	77.1	81.2	93.8
1980	130.6	109.0	133.7	121.0	132.3	137.0	98.4	108.5	118.6	165.4	115.7
1985	145.1	119.8	173.8	166.0	189.8	248.2	92.9	109.2	155.3	194.7	126.3
1986	144.3	(NA)	180.4	173.8	194.4	255.7	93.5	(NA)	163.6	204.4	130.2
Average annual percent change:											
1970–1980	6.3	6.5	7.8	8.1	9.7	14.3	6.5	6.0	9.5	15.4	5.6
1980–1985	2.1	1.9	5.4	6.5	7.5	12.6	–1.1	.1	5.5	3.3	1.8
1985–1986	–.6	(NA)	3.8	4.7	2.4	3.0	.7	(NA)	5.3	5.0	3.1
Unit labor costs, U.S. dollar basis: [4]											
1970	71.0	42.0	64.5	44.4	46.8	50.8	39.1	41.2	41.1	54.2	42.9
1975	91.7	89.7	93.1	89.6	99.5	104.3	86.7	92.8	83.2	103.4	88.7
1980	130.6	133.7	121.5	129.0	154.1	141.4	116.8	134.2	125.3	220.5	147.9
1985	145.1	72.3	135.2	94.0	103.9	114.8	104.3	80.7	80.6	144.8	99.6
1986	144.3	(NA)	137.9	126.9	138.0	151.4	148.7	(NA)	102.5	171.9	139.2
Average annual percent change:											
1970–1980	6.3	12.3	6.5	11.3	12.7	10.6	11.6	12.5	11.8	15.1	13.2
1980–1985	2.1	–11.6	2.2	–6.1	–7.6	–4.1	–2.2	–9.7	–8.4	–8.1	–7.6
1985–1986	–.6	(NA)	2.0	37.1	32.6	31.9	42.6	(NA)	27.1	18.8	39.6
Employment:											
1970	98.2	114.3	94.7	113.5	97.3	94.8	101.0	116.2	103.6	114.3	112.9
1975	93.0	108.6	101.7	100.0	101.4	99.7	101.7	106.8	103.9	102.7	102.0
1980	103.2	91.2	106.5	98.7	96.0	99.7	99.6	95.4	97.5	93.8	101.1
1985	98.3	78.6	101.4	107.1	84.2	87.5	107.4	84.0	89.0	73.5	91.4
1986	97.6	(NA)	103.4	109.1	82.2	86.1	106.9	(NA)	88.9	72.1	92.8
Average annual percent change:											
1970–1980	.5	–2.2	1.2	–1.4	–.1	.5	–.1	–2.1	–.6	–2.0	–1.1
1980–1985	–1.0	–2.9	–1.0	1.7	–2.6	–2.6	1.5	–2.5	–1.8	–4.8	–2.0
1985–1986	–.5	(NA)	2.0	1.8	–2.3	–1.5	–1.5	(NA)	–.1	–1.9	1.5
Hours:											
1970	97.3	130.2	97.2	125.1	105.3	107.4	107.9	131.2	114.6	119.1	121.7
1975	91.4	107.1	101.5	100.4	101.7	95.4	98.2	107.6	105.9	101.2	101.0
1980	101.7	89.6	105.5	98.1	95.2	96.7	101.2	93.6	92.3	90.2	98.1
1985	98.9	75.1	100.6	105.5	78.5	84.4	109.6	79.2	84.6	71.0	86.7
1986	98.7	(NA)	103.0	108.9	76.7	86.2	108.3	(NA)	83.9	69.5	87.2
Average annual percent change:											
1970–1980	.4	–3.7	.8	–2.4	–1.0	–.8	–.6	–3.3	–2.1	–2.7	–2.1
1980–1985	–.6	–3.5	–.9	1.5	–3.6	–3.1	1.8	–3.3	–1.7	–4.7	–2.5
1985–1986	–.2	(NA)	2.1	3.3	–2.3	2.1	–1.2	(NA)	–.9	–2.1	.8

– Represents or rounds to zero. NA Not available. [1] Includes West Berlin. [2] Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. [3] Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. [4] Indexes in national currency adjusted for changes in prevailing exchange rates.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, and *News Release* USDL 87-237, "International Comparisons of Manufacturing Productivity and Labor Cost Trends," June 15, 1987.

Digitized by Google

No. 1406. Organization for Economic Cooperation and Development (OECD)—Index of Industrial Production: 1975 to 1986

[Minus sign (–) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEX (1980 = 100)						AVERAGE ANNUAL PERCENT CHANGE					
	1975	1982	1983	1984	1985	1986	1975–1980	1980–1985	1981–1982	1982–1983	1983–1984	1984–1985	1985–1986
OECD, total	**61.3**	**96.6**	**99.6**	**107.0**	**110.2**	**111.7**	(NA)	**2.0**	**–3.5**	**3.1**	**7.4**	**3.0**	**1.4**
United States	**78.5**	**94.9**	**100.6**	**112.1**	**114.0**	**115.1**	**5.0**	**2.8**	**–7.1**	**5.9**	**11.5**	**1.7**	**1.0**
Australia	87.8	96.8	92.0	98.0	101.7	107.9	2.6	.3	–5.5	–5.0	8.6	3.8	6.1
Austria	80.0	97.6	96.5	103.8	108.4	109.3	4.6	1.6	–.8	1.0	5.3	4.4	.8
Belgium	87.5	96.4	99.3	102.2	104.3	105.8	2.7	.8	–	2.0	2.9	2.1	1.4
Canada	85.0	90.2	95.5	104.7	109.8	110.2	3.3	1.6	–10.7	5.9	9.8	4.8	.4
Finland	79	103.8	107.1	112.1	116.5	117.3	4.9	3.0	.9	3.2	4.7	3.9	.7
France	85	97	98	99	99	100	3.4	–	–1.6	.8	1.5	–	1.0
Greece	77.0	94.9	94.3	103.8	107.2	107.0	5.4	1.4	–4.4	–.6	10.1	3.2	– .2
Ireland	[1] 74.6	102.8	109.2	125.1	128.0	131.5	(NA)	4.7	.3	6.4	14.6	2.3	2.7
Italy	78.3	95.4	92.3	95.6	96.9	100.0	5.0	–.8	–3.1	–3.3	3.6	1.6	3.2
Japan	72.8	101.4	105.9	116.5	121.7	121.8	6.8	4.0	.4	3.6	10.9	4.5	– .3
Luxembourg	93.0	96.4	101.7	113.6	121.4	124.9	1.5	4.0	2.3	5.4	11.7	6.9	2.9
Netherlands	[2] 89	94	96	101	104	106	(NA)	.8	–4.1	2.1	5.2	3.0	1.9
Norway	76	99	106	115	121	126	5.7	3.2	–	6.1	5.6	5.2	4.1
Portugal	71	105.1	106.8	106.7	111.1	123.9	7.1	2.1	4.8	1.6	–.2	4.1	11.5
Spain	86.6	97.9	100.5	101.4	103.5	106.6	2.9	.7	–1.1	2.7	.9	2.1	3.0
Sweden [1]	102	97	101	107	109	110	–.4	2.3	–1.0	4.1	5.9	1.9	.9
Switzerland	97	96	95	97	103	106	2.7	.6	–3.8	–.7	2.7	6.2	4.9
United Kingdom	92.2	98.4	101.9	103.2	106.1	110.0	1.6	1.6	1.9	3.6	1.3	4.7	1.8
West Germany	85	96	96	100	105	107	3.3	1.0	–2.9	.7	3.4	5.0	1.9

– Represents or rounds to zero. NA Not available. [1] Mining and manufacturing. [2] Not comparable to later years.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators, Historical Statistics, 1964–1983*, 1984; and *Main Economic Indicators*, monthly.

No. 1407. Crude Steel Production and Consumption: 1975 to 1985

[Production data cover both ingots and steel for castings and exclude wrought (puddled) iron. Consumption data represent apparent consumption (i.e. production plus imports minus exports) and do not take into account changes in stocks]

COUNTRY	PRODUCTION (mil. metric tons)				CONSUMPTION							
					Total (mil. metric tons)				Per capita (kilograms)			
	1975	1980	1984	1985	1975	1980	1984	1985	1975	1980	1984	1985
World	**642.5**	**699.4**	**677.1**	**678.9**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
United States	[1] 105.8	[1] 101.5	[1] 83.9	[1] 80.1	116.8	115.6	113.3	107.3	541	508	479	448
Argentina	2.0	2.6	2.5	2.8	4.2	3.4	2.7	(NA)	163	120	88	(NA)
Australia	[2] 7.9	[2] 7.9	[2] 4.6	[2] 6.3	6.3	6.1	5.7	5.8	453	414	369	386
Austria	4.1	4.6	4.9	4.7	2.2	2.7	1.9	1.8	284	358	257	235
Bangladesh	.1	.1	.1	.1	.2	.4	.4	.5	2	4	4	5
Belgium	11.6	12.3	11.4	10.8	[3] 3.2	[3] 3.2	[3] 3.6	[3] 2.8	[3] 314	[3] 313	[3] 354	[3] 275
Brazil	7.8	10.2	10.8	9.1	11.1	14.2	9.3	(NA)	106	117	70	(NA)
Bulgaria	2.3	2.6	2.9	2.9	2.2	2.8	2.9	3.0	252	315	323	336
Canada	13.0	15.9	14.7	13.5	13.2	12.9	13.2	11.9	581	538	479	448
China: Mainland	23.8	37.1	43.5	46.8	29.1	43.3	57.9	66.8	31	43	55	63
Czechoslovakia	14.3	15.2	14.8	15.0	10.8	11.2	10.8	11.0	731	729	700	709
East Germany	6.5	7.3	7.6	7.9	9.5	9.8	8.9	9.5	566	583	536	574
France	21.5	23.2	19.0	19.1	19.3	20.0	15.2	14.2	365	373	276	256
Greece	[4] 1.0	[4] 1.1	.8	1.0	1.3	2.0	1.5	1.6	143	206	149	164
India	7.9	9.4	10.3	11.1	8.4	11.5	(NA)	(NA)	14	17	(NA)	(NA)
Indonesia	.1	.4	1.0	1.4	1.4	2.3	2.5	2.3	11	15	16	14
Italy	21.8	26.5	24.1	23.9	17.8	26.1	20.9	20.7	321	463	367	362
Japan	102.3	111.4	105.6	105.3	64.7	73.4	68.3	66.7	580	629	571	553
Mexico	5.2	7.0	7.3	7.2	6.1	10.6	8.6	8.3	102	152	113	105
Netherlands	4.8	5.0	3.5	3.4	4.5	4.6	4.2	4.2	332	328	295	305
Nigeria	(NA)	(Z)	.2	.3	1.4	1.9	.6	.9	21	24	7	9
North Korea	[4] 2.9	[4] 5.2	6.5	6.5	2.9	5.9	6.8	8.4	186	328	319	413
Pakistan	(NA)	(NA)	(NA)	(NA)	.5	.6	.7	.7	8	8	7	7
Philippines	(NA)	(NA)	(NA)	(NA)	1.0	1.2	1.5	2.4	25	27	32	9
Poland	14.6	18.6	15.2	15.4	17.8	19.3	15.3	15.2	524	542	418	409
Romania	9.5	13.2	14.4	13.8	9.8	12.1	11.5	10.9	463	545	509	480
South Africa	8.6	9.1	7.8	8.8	[5] 7.5	[5] 6.6	[5] 5.4	(NA)	[5] 259	[5] 203	[5] 172	(NA)
South Korea	2.0	5.8	5.1	4.9	1.8	4.9	8.1	(NA)	52	128	198	(NA)
Soviet Union	141.3	147.9	154.2	154.7	141.0	(NA)	(NA)	(NA)	554	(NA)	(NA)	(NA)
Spain	11.1	12.8	13.4	14.7	10.9	8.9	6.5	9.9	306	239	170	257
Sweden	5.8	4.2	4.7	4.9	6.3	4.1	3.7	3.2	773	496	441	394
Turkey	1.5	1.7	2.8	3.1	2.7	3.4	5.1	(NA)	68	76	105	(NA)
United Kingdom	20.1	11.3	15.1	15.7	21.0	13.8	14.4	14.4	378	246	255	254
Venezuela	.9	1.8	2.8	3.1	2.3	3.0	3.0	3.2	185	199	177	186
Vietnam	(NA)	(NA)	(NA)	(NA)	.2	.2	.1	.1	4	4	2	1
West Germany	40.4	43.8	39.3	39.2	30.3	33.8	29.9	29.3	489	549	489	481
Yugoslavia	2.9	2.3	2.0	2.1	5.3	5.7	5.0	5.1	248	255	217	221

NA Not available. Z Less than 50,000 metric tons. [1] Excludes steel for castings made in foundries operated by companies not producing ingots. [2] Year ending June 30. [3] Luxembourg included with Belgium. [4] Data from U.S. Bureau of Mines. [5] Including Botswana, Lesotho, Namibia, and Swaziland.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)

Digitized by Google

No. 1408. World Production of Major Mineral Commodities, by Selected Commodity: 1981 to 1985

[Metric ton = 1.023 short tons]

Commodity	Unit	1981	1982	1983	1984, prel.	1985, est.	Leading producers, 1985
MINERAL FUELS							
Coal	Mil. metric tons	3,833	3,972	4,009	4,222	4,381	China: Mainland, United States, Soviet Union.
Gas, natural, marketed	Tri. cu. ft.	55.0	54.7	54.7	59.4	60.4	Soviet Union, U.S., Netherlands.
Natural gas liquids [1]	Mil. barrels [2]	1,350	1,356	1,406	1,545	1,553	U.S., Soviet Union, Saudi Arabia.
Petroleum, crude	Mil. barrels [2]	20,403	19,338	19,212	19,757	19,365	Soviet Union, U.S., Saudi Arabia.
Petroleum, refined	Mil. barrels [2]	21,586	20,918	20,889	21,360	21,168	United States, Soviet Union, Japan.
NONMETALLIC MINERALS							
Cement, hydraulic	Mil. metric tons	886	868	916	947	972	China: Mainland, Soviet Union, Japan.
Diamond, gem and industrial [1]	1,000 carats	39,768	40,431	55,392	63,517	66,371	Zaire, Botswana, Soviet Union.
Nitrogen in ammonia	Mil. metric tons	77.0	75.9	78.5	84.4	85.5	Soviet Union, China: Mainland, United States.
Phosphate rock	Mil. metric tons	143	127	139	152	151	U.S., Soviet Union, Morocco.
Potash, marketable	Mil. metric tons	27.1	24.5	27.4	29.3	28.6	Soviet Union, Canada, East Germany.
Salt	Mil. metric tons	171	164	159	171	169	U.S., Soviet Union, China: Mainland.
Sulfur, elemental basis	Mil. metric tons	53.6	50.9	50.5	52.6	54.9	U.S., Soviet Union, Canada.
METALS							
Aluminum [3]	Mil. metric tons	15.1	13.4	13.9	15.7	15.3	U.S., Soviet Union, Canada.
Bauxite, gross weight	Mil. metric tons	86.9	80.9	80.2	89.8	86.7	Australia, Guinea, Brazil.
Chromite, gross weight [1]	1,000 metric tons	9,088	8,188	8,010	9,355	9,935	South Africa, Soviet Union, Albania.
Copper, metal content [4]	1,000 metric tons	7,777	7,619	7,712	7,995	8,114	Chile, United States, Canada.
Gold, metal content	Mil. troy ounces	41.3	43.1	45.0	46.4	48.2	South Africa, Soviet Union, Canada.
Iron ore, gross weight [5]	Mil. metric tons	858	780	738	831	859	Soviet Union, Brazil, Australia.
Lead, metal content [4]	1,000 metric tons	3,366	3,422	3,359	3,256	3,392	Australia, Soviet Union, U.S.
Manganese ore, gross weight	Mil. metric tons	23.6	24.2	21.9	23.8	24.4	Soviet Union, South Africa, Brazil.
Nickel, metal content [4]	1,000 metric tons	726	618	667	755	777	Soviet Union, Canada, Australia.
Steel, crude	Mil. metric tons	707	644	663	709	715	Soviet Union, Japan, United States.
Tin, metal content [4]	1,000 metric tons	238	220	197	196	191	Malaysia, Soviet Union, Indonesia.
Zinc, metal content [4]	1,000 metric tons	5,919	6,126	6,351	6,564	6,656	Canada, Soviet Union, Australia.

[1] Excludes China: Mainland. [2] 42-gallon barrels. [3] Unalloyed ingot metal. [4] Mine output. [5] Includes iron ore concentrates and iron ore agglomerates.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1409. Primary Energy Production, by Source of Energy and Region: 1970 to 1985

[**In millions of metric tons of coal equivalent.** See text, section 31, for general comments concerning the data]

Source of energy and year	World, total	Africa	United States and Canada	Other Western Hemisphere	Asia	Europe	Soviet Union	Oceania
Total primary energy: 1970	7,045	486	2,309	459	1,601	911	1,218	63
1975	8,087	437	2,225	416	2,287	1,047	1,578	99
1980	9,265	584	2,327	565	2,464	1,270	1,936	119
1982	8,916	477	2,266	618	2,099	1,313	2,005	138
1983	8,932	500	2,177	616	2,082	1,360	2,053	143
1984	9,310	536	2,357	635	2,182	1,331	2,114	155
1985	9,481	564	2,341	632	2,191	1,403	2,168	181
Coal and lignite: 1970	2,148	54	526	8	394	662	459	46
1975	2,306	62	535	11	501	635	501	60
1980	2,626	98	657	15	620	654	510	71
1982	2,712	107	667	16	674	660	502	86
1983	2,720	113	623	18	715	660	499	92
1984	2,840	128	716	19	778	606	497	97
1985	2,878	136	714	19	828	647	514	119
Crude petroleum: [1] 1970	3,433	427	878	398	1,148	56	514	12
1975	3,981	356	801	334	1,674	71	715	29
1980	4,497	444	818	437	1,681	210	879	30
1982	4,027	332	791	480	1,263	254	877	29
1983	3,989	336	799	473	1,163	287	882	29
1984	4,078	352	825	487	1,195	308	877	33
1985	4,024	368	831	481	1,137	318	852	38
Natural gas: 1970	1,311	3	852	42	39	145	228	2
1975	1,577	14	802	53	81	278	344	6
1980	1,840	35	752	85	117	320	517	14
1982	1,844	31	699	91	112	299	594	18
1983	1,864	45	639	92	129	305	636	19
1984	1,998	49	693	92	150	294	698	21
1985	2,052	54	668	93	158	303	756	20
Hydro and nuclear electricity: [2] 1970	154	3	53	10	20	49	16	3
1975	224	5	85	16	30	65	18	4
1980	301	7	102	28	45	86	30	4
1982	333	8	110	31	51	98	32	4
1983	360	6	116	31	56	108	36	4
1984	393	6	123	36	59	122	42	4
1985	427	7	128	39	68	135	46	5

[1] Includes natural gas liquids. [2] Includes geothermal.

Source: Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook 1985*. (Copyright.)

Digitized by Google

NO. 1410. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1985

[Metric ton = 1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.)				ELECTRIC ENERGY PRODUCTION [2] (bil. kWh)		CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons)		COAL PRODUCTION [4] (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)							
	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
World, total	**8,544.3**	**9,130.3**	**1,919**	**1,886**	**8,247**	**9,675**	**2,979**	**2,660**	**2,726**	**3,114**
United States	2,364.5	2,276.3	10,386	9,563	[5] 2,354	[5] 2,525	424.2	441.5	710.4	741.3
Algeria	24.8	16.7	1,327	767	7.1	12.3	47.4	29.4	(z)	[6] (z)
Argentina	49.3	52.0	1,746	1,703	39.7	45.3	25.3	23.6	.4	.4
Australia [7]	91.2	102.9	6,195	6,558	96.1	119.0	18.9	23.4	72.5	130.2
Austria	30.5	29.7	4,058	3,955	42.0	43.9	1.5	1.1	(z)	(z)
Bahrain	4.4	5.5	12,651	12,796	1.7	2.1	2.4	2.0	(NA)	(NA)
Bangladesh	3.8	5.7	44	57	2.7	4.9	(z)	(z)	(x)	(x)
Belgium	59.1	49.5	5,997	4,996	53.6	56.4	(x)	(x)	6.3	7.7
Brazil	92.5	93.8	763	692	139.5	192.9	9.1	27.5	5.2	7.7
Bulgaria	47.3	51.9	5,254	5,720	34.8	41.6	[6] .3	[6] .3	.3	.2
Burma	2.2	3.3	62	88	1.3	1.8	1.6	[6] 1.6	(z)	[6] (z)
Canada	254.2	252.0	10,547	9,910	377.5	460.4	70.4	72.2	20.2	34.3
Chile	11.4	10.7	1,025	890	11.6	13.9	1.6	1.6	1.0	1.2
China: Mainland	562.8	720.5	571	693	300.8	410.7	105.9	124.9	595.8	[6] 810.0
Taiwan [8]	37.8	45.6	2,126	2,365	43.6	57.0	.2	.1	2.6	1.9
Colombia	23.8	24.1	923	840	22.9	26.8	6.5	9.1	4.9	[6] 6.5
Cuba	13.6	14.3	1,394	1,428	9.9	12.2	.3	.9	(x)	(x)
Czechoslovakia	97.4	97.1	6,364	6,231	72.7	80.6	.1	.1	[6] 28.3	[6] 26.2
Denmark	26.9	27.3	5,254	5,334	27.1	29.1	.3	2.9	(x)	(x)
East Germany	121.6	130.6	7,276	7,791	98.6	113.6	.1	(z)	(z)	(z)
Ecuador	5.7	6.0	708	638	3.4	4.5	10.4	14.3	(NA)	(NA)
Egypt	20.1	31.0	488	662	18.9	23.2	29.4	44.3	(x)	(x)
Ethiopia	.9	.8	27	18	.7	.8	(x)	(x)	(NA)	(NA)
Finland	26.4	25.6	5,514	5,234	[6] 38.7	[6] 47.1	(x)	(x)	(x)	(x)
France [10]	237.3	219.3	4,409	4,013	[6] 246.4	[6] 326.4	1.2	2.6	[6] 20.2	[6] 17.1
Greece	20.1	23.0	2,088	2,332	22.7	27.7	(z)	1.3	(x)	(x)
Hong Kong	7.3	9.3	1,448	1,670	12.6	19.2	(NA)	(NA)	(x)	(x)
Hungary	40.8	41.8	3,787	3,892	23.9	26.8	2.0	2.0	[6] 3.1	[6] 2.6
India	139.4	193.0	202	254	119.3	186.5	9.4	29.9	109.1	149.7
Indonesia	34.7	42.5	230	255	14.2	27.8	77.6	67.7	.3	1.5
Iran	[11] 45.7	55.9	[11] 1,177	1,252	[11] 22.4	37.3	[11] 72.7	106.9	[6] [11] .9	[6] .9
Iraq	10.7	10.3	807	649	11.4	18.8	130.1	69.9	(NA)	(NA)
Ireland	11.1	11.1	3,268	3,084	10.9	11.7	(x)	(x)	.1	(Z)
Israel	6.6	10.4	2,273	2,435	12.5	15.7	(z)	(z)	(x)	(x)
Italy [12]	174.9	188.6	3,112	3,290	185.7	182.2	1.8	2.4	[6] (z)	[6] (z)
Japan	434.8	448.5	3,726	3,715	577.5	673.4	.4	.5	18.0	16.4
Kuwait [13]	6.9	12.9	5,019	7,134	9.4	15.7	84.1	53.8	(NA)	(NA)
Libya	7.3	12.7	2,456	3,536	4.8	8.2	88.3	49.9	(x)	(x)
Malaysia	12.2	24.5	882	1,575	10.2	14.9	13.2	21.8	(x)	(x)
Mexico	116.6	132.5	1,709	1,677	[6] 67.0	[6] 93.4	99.9	135.7	7.0	[6] 8.6
Morocco	6.4	7.2	319	327	4.9	7.0	(z)	(z)	.7	[6] .9
Netherlands	93.0	83.4	6,543	5,752	64.8	62.9	1.3	3.7	(z)	[14] 1
New Zealand	10.0	11.4	3,152	3,432	22.0	26.8	.3	[6] .8	2.0	2.2
Nigeria	11.0	21.6	136	227	7.2	9.0	104.2	73.2	.2	[6] .1
North Korea	48.5	54.7	2,713	2,661	35.0	48.0	(x)	(x)	[6] 36.0	[6] 39.0
Norway [15]	26.3	27.0	6,423	6,507	84.1	103.2	24.6	37.0	.3	.6
Pakistan	16.6	25.1	191	251	15.3	25.7	.5	1.3	1.5	2.2
Peru	12.0	11.8	693	591	9.8	12.1	9.6	9.3	[6] .1	[6] .1
Philippines	16.7	15.6	346	291	17.9	21.0	.5	.6	.3	1.2
Poland	176.8	172.4	4,935	4,636	121.9	137.7	.3	.2	193.1	191.6
Portugal	11.2	13.3	1,153	1,302	15.3	19.0	(x)	(x)	.2	.2
Romania	100.0	109.9	4,505	4,776	67.5	75.3	11.5	10.7	8.1	8.7
Saudi Arabia [16]	25.3	41.6	2,745	3,606	18.9	32.4	495.9	168.4	(NA)	(NA)
South Africa [16]	90.2	114.2	2,751	3,068	90.4	122.3	(x)	(x)	116.6	173.7
South Korea	52.3	66.8	1,373	1,614	40.1	62.7	(x)	(x)	18.8	22.5
Soviet Union	1,473.1	1,708.2	5,549	6,131	1,293.9	1,544.0	603.2	595.0	492.9	494.4
Spain	88.4	84.2	2,359	2,183	110.5	125.8	1.6	2.2	[6] 13.1	[6] [17] 16.3
Sudan	1.5	1.5	82	72	1.0	1.0	(x)	(x)	(NA)	(NA)
Sweden	44.5	41.4	5,376	4,960	96.7	136.5	(z)	(z)	(z)	(z)
Switzerland [17]	23.3	24.4	3,636	3,805	[6] 48.1	[6] 53.9	(x)	(x)	(x)	(x)
Syria	7.3	12.9	835	1,228	3.8	7.3	8.3	9.2	(x)	(x)

See footnotes at end of table.

Digitized by Google

NO. 1410. ENERGY CONSUMPTION AND PRODUCTION, BY COUNTRY: 1980 AND 1985—Continued

[Metric ton = 1.1023 short tons. See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.) Total (mil. metric tons)		ENERGY CONSUMED [1] (coal equiv.) Per capita (kilograms)		ELECTRIC ENERGY PRODUCTION [2] (bil. kWh)		CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons)		COAL PRODUCTION [4] (mil. metric tons)	
	1980	1985	1980	1985	1980	1985	1980	1985	1980	1985
Tanzania	.8	.7	44	40	.7	.9	(X)	(X)	(Z)	[5] (Z)
Thailand	17.3	21.4	372	417	15.1	24.2	(Z)	1.2	(Z)	[5] (Z)
Trinidad and Tobago	7.5	6.0	6,992	5,050	2.0	3.0	11.0	9.2	(NA)	(NA)
Tunisia	4.1	5.4	639	760	2.8	4.0	5.6	5.4	(X)	(X)
Turkey	31.9	45.5	718	923	23.3	33.3	2.3	2.1	3.6	3.6
United Arab Emirates	16.8	9.7	17,188	7,274	6.3	8.7	82.8	58.2	(NA)	(NA)
United Kingdom	271.0	276.8	4,850	4,914	284.9	294.7	78.9	122.4	[6] 130.1	[6] 94.0
Venezuela	49.0	54.5	3,140	3,150	35.9	45.4	114.8	87.9	(Z)	(Z)
Vietnam	8.8	7.0	122	118	3.8	5.0	(NA)	(NA)	5.2	[6] 5.3
West Germany	359.4	349.9	5,829	5,748	368.8	406.7	4.6	4.1	94.5	88.5
Yugoslavia	48.0	58.3	2,152	2,520	59.4	73.9	4.2	4.1	.4	.4
Zaire	2.0	1.9	69	65	4.2	4.8	1.0	[6] 1.3	.1	[6] .1
Zambia	2.3	2.2	403	323	[5] 9.2	[6] 10.1	(X)	(X)	.6	.5

NA Not available. X Not applicable. Z Less than 50,000 metric tons. [1] Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro, nuclear, and geothermal electricity. [2] Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Relates to production at generating centers, including station use and transmission losses. [3] Includes shale oil, but excludes natural gasoline. [4] Excludes lignite and brown coal, except as noted. [5] Net production, i.e. excluding station use. [6] United Nations Statistical Office estimate. [7] For year ending June 30 of year shown. [8] Source: U.S. Bureau of the Census. Data from Republic of China publications. [9] Includes slurries. [10] Includes Monaco. [11] For year ending March 20 of year shown. [12] Includes San Marino. [13] Includes share of production and consumption in the Neutral Zone. [14] Includes patent fuel and hard coal briquettes. [15] Includes Svalbard and Jan Mayen Islands. [16] Includes Botswana, Lesotho, Namibia, and Swaziland. [17] Includes Liechtenstein.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Energy Statistics Yearbook, 1985.* (Copyright.)

NO. 1411. INDICES OF FOOD PRODUCTION: 1980 TO 1986

[1976–1978 = 100. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (–) indicates decrease]

REGION AND COUNTRY	TOTAL FOOD PRODUCTION 1980	1984	1985	1986	Annual percent change 1980–1986	Annual percent change 1985–1986	PER CAPITA FOOD PRODUCTION 1980	1984	1985	1986	Annual percent change 1980–1986	Annual percent change 1985–1986
World	104	117	119	119	2.3	–	99	104	104	103	.7	–1.0
Developed countries	105	112	114	111	.9	–2.8	102	107	108	105	.5	–2.8
United States	102	109	115	109	1.1	–5.2	99	101	106	100	.2	–5.7
Canada	103	110	120	133	4.4	10.8	100	102	110	121	3.2	10.0
Western Europe	112	119	117	115	.4	–1.7	111	117	114	113	.3	–.9
Japan	90	100	100	100	1.8	–	88	94	94	94	1.1	–
Oceania	98	114	116	115	2.7	–.9	95	105	105	103	1.4	–1.9
South Africa	109	102	108	110	.2	1.9	101	86	89	89	–2.1	–
Centrally planned countries	101	120	118	122	3.2	3.4	98	111	108	111	2.1	2.8
Soviet Union	95	102	101	107	2.0	5.9	92	96	94	99	1.2	5.3
Eastern Europe	97	113	109	112	2.4	2.8	95	109	105	107	2.0	1.9
China: Mainland	119	164	162	163	5.4	.8	114	150	148	147	4.3	–.7
Developing countries	107	120	125	126	2.8	.8	100	102	103	102	.3	–1.0
East Asia	89	107	108	109	3.4	.9	85	96	95	95	1.9	–
South Asia	103	123	126	125	3.3	–.8	96	105	105	102	1.0	–2.9
Middle East	103	115	121	130	4.0	7.4	95	95	97	101	1.0	4.1
Sub-Saharan Africa	107	111	118	120	1.9	3.5	99	91	93	93	–1.0	–
North Africa	110	115	127	135	3.5	6.3	101	94	101	104	.5	3.0
Latin America	112	122	127	122	1.4	–3.9	104	103	105	99	–.8	–5.7

– Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Food Needs and Availabilities, 1987/88*, July 1987.

Digitized by Google

No. 1412. Wheat, Rice, and Corn Production, by Country: 1983 to 1985

[**In thousands of metric tons.** Rice data cover rough and paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, section 31, for general comments concerning quality of the data]

Country	Wheat			Rice			Corn		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
World, total	**494,737**	**523,842**	**510,029**	**451,812**	**470,871**	**465,970**	**347,357**	**452,814**	**490,155**
United States	65,858	70,618	65,992	4,523	6,296	6,171	106,041	194,928	225,180
Afghanistan	2,927	[1] 2,850	[1] 2,850	480	[2] 480	[2] 480	806	[2] 800	[2] 800
Argentina	12,300	13,200	[2] 8,500	277	476	400	9,000	9,500	12,600
Australia	22,016	18,294	16,550	548	632	864	139	238	311
Austria	1,417	1,501	1,583	(NA)	(NA)	(NA)	1,454	1,542	1,727
Bangladesh	1,095	1,212	1,464	21,751	21,930	[2] 21,900	[1] 1	[1] 1	[1] 1
Belgium [3]	1,062	1,330	[2] 1,204	(NA)	(NA)	(NA)	[1] 50	[2] 53	[2] 90
Brazil	2,237	1,983	4,247	7,742	9,027	9,019	18,731	21,164	22,017
Bulgaria	3,608	4,836	[1] 3,500	74	61	[1] 75	3,115	2,994	[1] 2,600
Burma	130	214	206	14,288	14,588	[2] 15,400	239	310	403
Cambodia	(NA)	(NA)	(NA)	1,700	1,970	[1] 1,900	[1] 80	[1] 90	[1] 76
Canada	26,505	21,199	23,900	(NA)	(NA)	(NA)	5,933	7,024	7,393
Chile	586	988	1,165	116	165	157	512	721	772
China: Mainland [1]	81,392	87,817	85,286	172,179	181,193	171,479	68,353	73,600	62,250
Colombia	78	59	79	1,780	1,606	1,764	864	864	862
Cuba	(NA)	(NA)	(NA)	518	555	524	[1] 96	[1] 97	[1] 97
Czechoslovakia	5,820	6,170	8,023	(NA)	(NA)	(NA)	722	940	1,114
Denmark	1,548	2,446	1,996	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
East Germany	3,550	3,903	[2] 3,806	(NA)	(NA)	(NA)	(*)	(*)	[1] 2
Ecuador	27	[2] 23	[2] 19	270	414	[1] 300	229	[2] 292	[1] 250
Egypt	1,996	1,815	[2] 1,874	2,442	2,236	[2] 2,312	3,509	3,170	[2] 3,982
Ethiopia	666	[1] 675	[1] 700	(NA)	(NA)	(NA)	1,533	[1] 1,275	[1] 1,400
Finland	550	478	472	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
France	24,745	32,977	29,030	38	36	61	10,525	10,493	11,839
Greece	2,096	2,646	1,792	83	92	106	1,763	2,091	1,800
Hungary	5,985	7,392	6,573	47	33	36	6,426	6,666	6,796
India	42,794	45,476	44,229	90,048	87,990	[1] 91,500	7,922	8,356	[1] 7,000
Indonesia	(NA)	(NA)	(NA)	35,303	38,136	[2] 38,660	5,087	5,288	[2] 5,300
Iran	5,956	[1] 5,500	[1] 6,000	1,216	1,600	1,100	[1] 90	[2] 50	[2] 50
Iraq	841	471	[2] 650	111	109	[1] 105	28	31	[1] 32
Ireland	389	660	[2] 500	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Israel	335	130	[2] 110	(NA)	(NA)	(NA)	26	26	[1] 26
Italy	8,517	10,047	8,516	1,021	989	1,064	6,699	6,776	6,352
Japan	695	741	874	12,958	14,848	14,578	1	1	(*)
Laos	(NA)	(NA)	(NA)	1,002	1,322	[1] 1,400	39	[1] 40	[1] 45
Madagascar	(*)	(*)	(*)	2,147	2,131	[2] 2,178	132	141	[2] 140
Malaysia	(NA)	(NA)	(NA)	1,818	1,755	[2] 1,895	20	22	[1] 24
Mexico	3,460	4,542	5,228	416	511	988	13,061	13,222	15,013
Nepal	657	634	534	2,757	2,709	[1] 2,800	761	820	[1] 770
Netherlands	1,043	1,131	851	(NA)	(NA)	(NA)	2	1	[1] 2
New Zealand	301	315	382	(NA)	(NA)	(NA)	143	154	220
North Korea	[1] 550	[1] 640	[1] 680	[1] 5,380	[1] 5,570	[1] 5,600	[1] 2,500	[1] 2,600	[1] 2,680
Pakistan	12,414	10,862	[2] 11,660	5,009	4,973	[2] 4,500	1,014	1,028	[1] 1,030
Panama	(NA)	(NA)	(NA)	199	175	199	74	71	[2] 70
Peru	76	84	90	798	1,156	973	585	776	708
Philippines	(NA)	(NA)	(NA)	7,841	8,200	[2] 8,300	3,134	3,439	[2] 3,542
Poland	5,165	6,010	6,461	(NA)	(NA)	(NA)	64	57	69
Portugal	329	475	385	109	134	147	461	526	570
Romania	5,205	7,580	[1] 6,800	84	110	[1] 85	11,982	13,274	[1] 13,800
South Africa	1,770	2,150	[2] 1,600	[1] 3	[1] 3	[1] 3	4,080	4,390	7,550
South Korea	112	17	[2] 11	7,808	7,970	[2] 7,855	101	133	132
Soviet Union	[1] 78,500	[1] 76,000	[1] 83,000	2,600	[1] 2,500	[1] 2,600	[1] 13,000	[1] 13,000	[1] 15,000
Spain	4,268	6,052	5,326	224	452	459	1,803	2,505	3,331
Sri Lanka	(NA)	(NA)	(NA)	2,484	2,141	[2] 2,634	31	38	[1] 38
Sweden	1,721	1,776	1,378	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Switzerland	445	597	547	(NA)	(NA)	(NA)	139	126	157
Syria	1,612	1,068	[2] 1,714	(*)	(*)	(*)	27	60	63
Thailand	(NA)	(NA)	(NA)	19,549	19,905	19,521	3,552	4,226	4,686
Turkey	16,437	17,235	17,032	315	280	265	1,480	1,500	1,900
United Kingdom	10,880	14,957	11,700	(NA)	(NA)	(NA)	[1] 1	[1] 1	[1] 1
Uruguay	419	349	[2] 440	323	340	423	104	112	108
Venezuela	(*)	(*)	[2] 1	449	408	[2] 472	488	547	[2] 900
Vietnam	(NA)	(NA)	(NA)	14,732	15,528	[1] 15,600	467	532	[1] 500
West Germany	8,996	10,223	9,866	(NA)	(NA)	(NA)	934	1,026	1,204
Yugoslavia	5,525	5,595	4,859	40	36	36	10,719	11,312	9,891

NA Not available. [1] FAO estimate. [2] Unofficial figure. [3] Includes Luxembourg. * None or negligible.

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, *1985 FAO Production Yearbook*, vol. 39 (copyright).

Digitized by Google

No. 1413. Wheat, Rice and Corn—Exports and Imports of 10 Leading Countries: 1983 to 1985

[In thousands of metric tons. Countries listed are the ten leading exporters or importers in 1985]

Leading exporters	Exports			Leading importers	Imports		
	1983	1984	1985		1983	1984	1985
WHEAT				**WHEAT**			
United States	38,491	42,243	24,810	Soviet Union	21,700	26,700	20,309
Canada	21,808	21,091	16,983	China: Mainland	11,811	10,539	6,135
France	13,409	13,617	16,943	Japan	5,816	5,978	5,510
Australia	8,215	10,535	15,704	Italy	2,801	4,019	4,534
Argentina	10,182	7,245	9,616	Egypt	4,230	4,520	4,524
Hungary	1,107	1,271	2,003	Brazil	4,182	4,868	4,041
United Kingdom	1,324	2,175	1,886	West Germany	1,140	1,593	3,083
Soviet Union	1,800	1,621	1,250	Algeria	2,129	2,006	3,030
West Germany	1,113	1,803	1,045	South Korea	1,854	2,648	2,986
Belgium-Luxembourg	741	589	763	Iran	2,667	3,780	2,750
RICE				**RICE**			
Thailand	3,478	4,616	4,062	Bangladesh	316	167	741
United States	2,385	2,141	1,940	Philippines	–	190	536
China: Mainland	1,113	1,370	1,050	Iraq	440	487	500
Italy	546	538	727	Malaysia	358	437	480
Pakistan	905	1,265	719	Saudi Arabia	491	490	427
Burma	858	721	470	Iran	622	710	400
Australia	405	246	341	Hong Kong	371	366	378
Indonesia	–	–	340	Italy	172	170	352
Uruguay	196	152	220	Senegal	339	371	350
India	200	200	160	Nigeria	544	213	345
CORN				**CORN**			
United States	47,645	49,104	44,153	Soviet Union	5,850	12,200	16,600
Argentina	6,525	5,518	7,041	Japan	14,701	14,170	14,225
China: Mainland	68	952	6,340	Spain	4,455	2,712	3,874
France	4,455	5,208	4,456	South Korea	4,057	3,065	3,406
Thailand	2,630	3,117	2,752	China: Mainland	5,569	3,015	3,107
Yugoslavia	1,331	685	900	Netherlands	2,117	2,229	2,374
Belgium-Luxembourg	1,585	1,400	656	Belgium-Luxembourg	3,156	2,860	1,930
Romania	430	500	615	Egypt	1,523	1,582	1,907
Italy	100	114	523	Mexico	4,687	2,498	1,726
Canada	454	499	329	West Germany	1,751	1,617	1,670

– Represents or rounds to zero.

Source: U.S. Dept. of Agriculture, Economic Research Service. Data from Food and Agriculture Organization of the United Nations, Rome, Italy, *FAO Trade Yearbook*.

No. 1414. Meat—Production, by Country: 1980 to 1985

[In thousands of metric tons, carcass weight. Covers beef and veal (incl. buffalo meat), pork (incl. bacon and ham), and mutton and lamb (incl. goat meat). Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. Excludes lard, tallow, and edible offals. See text, section 31, for general comments concerning the data]

Country	1980	1984	1985, est.	Country	1980	1984	1985, est.
World, total	**103,014**	**110,464**	**113,537**	Iran	457	454	457
				Italy	2,305	2,471	2,474
United States	17,680	17,819	17,673	Japan	1,893	1,960	2,086
				Kenya	232	240	237
Argentina	3,220	2,897	3,044	Mexico	1,036	1,137	1,203
Australia [1]	2,332	2,048	2,000	Netherlands	1,565	1,831	1,925
Belgium [2]	985	1,052	1,056	New Zealand [1]	1,091	1,145	1,264
Brazil	3,115	3,006	3,086	Nigeria	459	452	447
Canada	1,832	1,869	1,869	Pakistan	657	890	920
China: Mainland	12,664	16,146	16,340	Poland	2,397	1,971	2,190
Czechoslovakia	1,210	1,231	1,247	Romania	1,359	1,384	1,265
Denmark	1,218	1,289	1,329	Soviet Union	12,698	14,037	14,165
East Germany	1,612	1,658	1,636	Spain	1,545	1,715	1,689
France	3,823	3,992	3,895	United Kingdom	2,305	2,379	2,385
Hungary	1,065	1,263	1,108	West Germany	4,786	4,864	4,845
India	642	741	759	Yugoslavia	1,167	1,342	1,270
Indonesia	298	319	323				

[1] Year ending June 30 for Australia and September 30 for New Zealand. [2] Includes Luxembourg.

Source: Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*. (Copyright.)

Digitized by Google

No. 1415. Foreign Trade of Selected Countries—Source of Imports and Destination of Exports: 1986

[In billions of dollars, except percent. All exports are f.o.b. (free on board) and all imports are c.i.f. (cost insurance freight) except for U.S., Australian and Canadian imports, which are f.o.b.]

Country	Total [1]	O.E.C.D. [2]		Soviet Union and Eastern Europe	China: Mainland, Vietnam, North Korea	O.P.E.C. [4]	Other developing countries [5]	Africa	America [6]	Middle East [7]	Far East [8]
		Total	E.E.C. [3]								
IMPORTS											
United States	370.0	242.9	75.7	2.0	4.8	19.8	98.1	10.3	41.9	7.9	59.3
Australia	23.9	18.8	5.8	.1	.3	.8	3.8	.2	.3	.7	3.2
Austria	26.7	22.2	17.9	2.2	.1	.6	1.5	.7	.5	.2	.6
Belgium [9]	68.5	59.8	49.6	1.5	.2	1.8	4.7	2.8	1.1	1.5	1.3
Canada	81.3	72.7	9.2	.2	.4	1.1	6.6	.7	2.7	.4	4.1
Denmark	22.8	19.8	11.9	.7	.2	.4	1.7	.3	.7	.3	.6
France	126.8	102.0	78.8	4.3	.7	7.5	13.7	8.4	3.1	4.1	3.8
Italy	100.0	73.7	55.4	4.1	.7	9.5	10.1	9.1	3.1	5.0	2.4
Japan	127.7	60.7	14.2	2.3	6.0	24.0	32.4	3.9	8.2	18.3	29.9
Netherlands	75.4	62.7	48.2	1.9	.3	4.0	6.4	2.5	2.0	2.8	3.0
Spain	34.9	24.8	17.8	.8	.2	3.9	5.0	3.3	2.5	2.1	1.1
Sweden	32.5	26.5	18.6	1.2	.1	.5	2.1	.3	.8	.3	1.9
Switzerland	40.9	37.1	29.8	.8	.1	.8	2.2	.7	.8	.3	1.1
United Kingdom	126.2	102.0	65.3	2.2	.5	2.4	13.8	4.3	2.5	2.0	7.4
West Germany	189.7	152.3	99.5	8.3	1.3	6.1	20.8	7.4	6.4	2.4	8.7
Percent distribution:											
United States	100.0	65.7	20.5	.5	1.3	5.3	26.5	2.8	11.3	2.1	16.0
Australia	100.0	78.8	24.3	.3	1.4	3.2	15.8	.9	1.1	2.8	13.5
Austria	100.0	82.0	66.9	8.3	.2	2.3	5.8	2.7	1.8	.8	2.3
Belgium [9]	100.0	87.3	72.3	2.3	.3	2.7	6.9	4.0	1.7	2.2	1.8
Canada	100.0	89.5	11.3	.3	.5	1.3	8.1	.9	3.4	.5	5.0
Denmark	100.0	86.7	52.0	3.2	.9	1.6	7.2	1.2	3.1	1.4	2.8
France	100.0	79.2	59.7	3.4	.6	5.8	10.7	6.5	2.4	3.2	2.9
Italy	100.0	73.7	55.4	4.1	.7	9.5	10.1	9.2	3.1	5.0	2.4
Japan	100.0	47.5	11.1	1.8	4.7	18.8	25.4	3.0	6.4	14.3	23.4
Netherlands	100.0	83.2	63.9	2.5	.4	5.3	8.5	3.3	2.6	3.8	4.0
Spain	100.0	71.1	50.3	1.8	.7	11.3	14.4	9.6	7.1	6.0	3.2
Sweden	100.0	87.9	57.2	3.7	.4	1.5	6.5	1.0	2.6	.9	3.1
Switzerland	100.0	90.7	73.0	2.0	.3	1.5	5.3	1.7	1.5	.9	2.7
United Kingdom	100.0	84.0	51.8	1.8	.4	1.9	11.0	3.4	2.0	1.6	5.8
West Germany	100.0	80.3	52.5	4.4	.7	3.2	10.8	3.9	3.4	1.3	4.6
EXPORTS											
United States	217.3	139.7	53.2	2.0	3.1	10.8	60.5	6.0	31.1	6.4	26.1
Australia	22.5	13.5	3.3	.9	1.1	1.4	5.8	.5	.2	1.2	4.0
Austria	22.4	17.7	13.5	2.2	.2	.9	1.5	.6	.2	.7	.4
Belgium [9]	68.6	59.7	50.2	1.0	.4	1.8	5.7	2.1	.8	2.1	1.9
Canada	86.7	78.8	5.9	1.1	.8	1.1	4.8	.8	2.3	.5	2.3
Denmark	21.2	18.1	9.9	.4	.1	.8	2.0	.4	.7	.6	.6
France	119.3	91.3	69.0	2.8	.7	6.6	17.4	11.3	4.0	3.6	4.0
Italy	97.5	76.0	52.2	2.9	1.0	8.2	11.0	5.3	2.3	5.0	2.7
Japan	210.8	131.7	31.1	3.9	10.3	11.7	51.8	4.3	8.8	8.8	42.1
Netherlands	80.8	71.0	60.4	1.1	.2	2.1	5.9	2.3	1.1	1.8	1.9
Spain	27.1	21.0	18.4	.5	.3	1.5	3.8	1.7	1.5	1.1	.9
Sweden	37.2	32.2	18.6	.8	.2	.9	2.9	.9	.8	.8	1.2
Switzerland	37.2	29.2	20.4	1.1	.4	1.7	4.8	1.1	1.3	1.7	2.2
United Kingdom	107.0	82.9	51.4	1.7	.8	6.9	13.4	5.0	2.3	6.8	6.1
West Germany	242.4	199.1	123.5	9.0	2.9	8.2	21.2	7.4	5.1	6.8	8.2
Percent distribution:											
United States	100.0	64.3	24.5	.9	1.4	5.0	27.8	2.8	14.3	3.9	12.0
Australia	100.0	59.8	14.9	3.9	4.9	6.1	24.9	2.4	.9	5.2	17.9
Austria	100.0	78.8	60.1	9.6	.9	3.8	6.5	2.5	1.1	3.1	1.7
Belgium [9]	100.0	87.0	73.1	1.5	.5	2.3	8.3	3.1	.9	3.0	2.8
Canada	100.0	90.9	6.8	1.3	.9	1.2	5.5	.9	2.6	.5	2.7
Denmark	100.0	85.2	46.7	2.1	.8	2.8	9.2	1.8	3.1	2.8	2.7
France	100.0	76.6	57.9	2.3	.6	5.5	14.6	9.5	3.3	3.0	3.4
Italy	100.0	78.0	53.8	2.9	1.1	8.4	11.3	5.4	2.3	5.1	2.7
Japan	100.0	62.5	14.8	1.8	4.9	5.6	24.6	2.0	4.2	4.2	20.0
Netherlands	100.0	88.1	74.9	1.3	.3	2.7	7.3	2.9	1.3	2.3	2.3
Spain	100.0	77.2	60.3	1.8	1.2	5.8	13.9	6.4	5.8	3.9	2.1
Sweden	100.0	86.8	50.0	2.2	.6	2.4	7.8	2.4	2.0	2.1	3.3
Switzerland	100.0	78.3	54.9	3.0	1.1	4.6	12.4	2.9	3.4	4.6	5.8
United Kingdom	100.0	77.5	48.0	1.6	.7	6.5	12.5	4.6	2.1	6.4	5.7
West Germany	100.0	82.1	50.9	3.7	1.2	3.4	8.7	3.1	2.1	2.8	3.4

[1] Includes other areas not shown separately. [2] Organization for Economic Cooperation and Development. For member countries, see text, section 31. [3] European Economic Community comprises Belgium-Luxembourg, Denmark, France, Greece, Ireland, Italy, Netherlands, Portugal, Spain, United Kingdom, and West Germany. [4] Organization of Petroleum Exporting Countries. For member countries, see footnote 4, table 1422. [5] Comprises trade with all countries other than China: Mainland, North Korea, Vietnam, South Africa, Soviet Union, Eastern Europe, and members of O.P.E.C. and O.E.C.D. [6] All countries comprising the continent except Canada and the United States. [7] Comprises Syria, Lebanon, Israel, Gaza Strip, Jordan, Iraq, Saudi Arabia, Yemen (Aden), Yemen (Sanaa), Kuwait, Bahrain, United Arab Emirates, Qatar, Oman, and Iran. [8] All countries comprising the continent of Asia except Japan, China: Mainland, North Korea, Vietnam, and those countries listed under Middle East. [9] Includes Luxembourg.

Source: Organization for Economic Cooperation and Development, Paris, France. Data derived from *Monthly Statistics of Foreign Trade*, series A, July 1987.

Digitized by Google

No. 1416. Reserve Assets and International Transaction Balances: 1980 to 1986

[In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (−) indicates debits]

Country	Total reserve assets				Current account balance			Merchandise trade balance		
	1980	1985	1986		1980	1985	1986	1980	1985	1986
			Total	Currency holdings [1]						
United States	15,600	32,100	37,450	17,330	1,840	−116,430	−141,460	−25,500	−122,150	−144,340
Algeria	3,773	2,819	1,660	1,312	249	1,015	(NA)	4,056	4,223	(NA)
Argentina	6,719	3,124	2,308	2,308	−4,774	−954	(NA)	−1,373	4,877	(NA)
Australia	1,690	5,768	7,246	6,684	−4,248	−8,715	−9,232	1,369	−1,277	−2,170
Austria	5,280	4,757	6,162	5,534	−1,725	−262	−28	−6,617	−3,994	−4,394
Bangladesh	300	337	409	371	−757	−540	−637	−1,560	−1,287	−1,374
Belgium	7,823	4,849	5,536	4,630	−4,945	671	(NA)	−5,154	−482	(NA)
Brazil	5,769	10,605	5,803	5,803	−12,806	−273	(NA)	−2,823	12,466	(NA)
Burma	261	34	33	33	−347	−206	(NA)	−360	−202	(NA)
Cameroon	189	132	59	55	−440	(NA)	(NA)	38	(NA)	(NA)
Canada	3,041	2,503	3,351	2,318	−867	−432	−5,990	6,001	13,297	7,716
Chile	3,123	2,450	2,351	2,351	−1,971	−1,328	−1,091	−764	850	1,100
China: Mainland	2,545	12,728	11,453	10,514	(NA)	−11,417	(NA)	(NA)	−13,123	(NA)
Colombia	4,831	1,595	2,696	2,556	−206	−1,809	423	−297	−23	1,890
Denmark	3,387	5,429	4,965	4,555	−2,466	−2,728	−4,321	−2,023	−771	−1,178
Ecuador	1,013	716	644	588	−642	−85	(NA)	278	1,147	(NA)
Egypt	1,046	792	829	829	−438	−2,245	(NA)	−2,960	−4,503	(NA)
Finland	1,870	3,750	1,787	1,417	−1,409	−677	−808	−658	862	1,664
France	27,340	26,589	31,454	28,428	−4,208	907	(NA)	−13,419	−4,532	−2,119
Ghana	180	479	513	511	29	−134	−43	195	−36	61
Greece	1,346	868	1,519	1,433	−2,209	−3,276	(NA)	−5,557	−5,053	(NA)
Hungary	2,090	3,119	3,062	3,062	−577	−52	−1,289	−143	610	−529
India	6,944	6,420	6,396	5,544	−1,785	−4,177	(NA)	−5,644	−5,616	(NA)
Indonesia	5,392	4,974	4,051	3,919	2,864	−1,840	(NA)	9,170	5,822	(NA)
Ireland	2,860	2,940	3,236	2,936	−2,132	−578	−445	−2,222	654	1,307
Israel	3,351	3,680	4,660	4,660	−746	957	1,262	−3,150	−2,427	−1,924
Italy	23,126	15,595	19,987	18,132	−9,901	−5,645	4,429	−16,887	−8,316	4,214
Ivory Coast	20	5	20	11	−1,827	100	(NA)	399	1,482	(NA)
Japan	24,636	26,719	42,257	37,657	−10,750	49,170	85,960	2,130	55,990	92,650
Kenya	492	391	413	386	−867	−211	(NA)	−1,083	−347	(NA)
Kuwait	3,929	5,471	5,501	4,713	15,302	4,815	6,180	13,877	4,712	1,979
Libya	13,091	5,904	5,953	[2] 5,438	8,214	1,890	(NA)	11,551	4,640	(NA)
Malaysia	4,367	4,912	6,027	5,697	−285	−734	−296	2,406	3,577	3,369
Mexico	2,960	4,906	5,670	5,661	−8,162	1,237	−1,270	−2,830	8,451	4,599
Morocco	399	115	211	192	−1,420	−891	(NA)	−1,355	−1,366	(NA)
Nepal	183	56	67	60	−39	−126	−113	−226	−289	−297
Netherlands	11,645	10,782	11,191	9,583	−1,043	4,192	4,648	−1,415	5,273	6,999
Nigeria	10,235	1,667	1,081	1,081	5,104	1,265	365	11,106	4,353	2,535
Norway	6,048	13,917	12,525	11,546	1,098	2,926	(NA)	1,896	4,680	(NA)
Pakistan	496	807	709	696	−921	−1,080	−700	−2,876	−3,230	−2,819
Peru	1,980	1,827	1,430	1,430	62	123	−1,030	837	1,172	−16
Philippines	2,846	615	1,728	1,675	−1,917	6	1,022	−1,939	−482	−202
Poland	128	870	698	698	−3,417	−996	−1,109	−1,776	347	467
Portugal	795	1,395	1,456	1,354	−1,064	410	1,144	−4,029	−1,457	−1,634
Romania	323	199	582	582	−2,399	915	1,408	−1,534	1,445	1,917
Saudi Arabia	23,437	25,004	16,324	7,102	42,754	−13,255	(NA)	75,155	7,032	(NA)
Singapore	8,567	12,847	12,939	12,751	−1,507	−15	479	−4,200	−3,014	−2,328
South Africa	726	315	370	370	3,506	2,622	3,194	7,430	5,842	7,063
South Korea	2,925	2,869	3,320	3,301	−5,321	−887	4,617	−4,384	−19	4,206
Spain	11,863	11,175	14,755	13,805	−5,173	2,851	(NA)	−11,728	−4,171	(NA)
Sri Lanka	246	451	353	353	−657	−556	(NA)	−784	−657	(NA)
Sudan	49	12	59	59	−320	152	−18	−438	−135	−307
Sweden	3,418	5,793	6,551	5,921	−4,404	−1,150	823	−2,198	2,388	5,100
Switzerland	15,656	18,016	21,786	21,334	−1,544	6,206	(NA)	−5,891	−1,561	(NA)
Syria	337	85	(NA)	(NA)	251	−952	(NA)	−1,998	−1,951	(NA)
Thailand	1,560	2,190	2,804	2,736	−2,070	−1,537	(NA)	−1,902	−1,332	(NA)
Trinidad and Tobago	2,781	1,129	396	164	335	−78	(NA)	753	756	176
Turkey	1,077	1,056	1,465	1,425	−3,409	−1,030	−1,528	−4,603	−2,975	−3,081
United Kingdom	20,650	12,860	18,420	14,890	7,063	4,905	−240	3,362	−2,440	−12,144
Venezuela	6,604	10,251	6,437	5,026	4,728	3,086	−1,626	8,174	6,790	986
West Germany	48,592	44,380	51,734	45,866	−15,900	15,740	35,770	6,880	26,950	53,630
Yugoslavia	1,384	1,095	1,460	1,460	−2,316	(NA)	(NA)	−4,889	(NA)	(NA)
Zaire	204	190	269	269	−154	(NA)	(NA)	566	(NA)	(NA)

– Represents zero. NA Not available. [1] Holdings of convertible foreign currencies. [2] Estimated.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly with annual supplements.

Digitized by Google

No. 1417. Foreign Exchange Rates: 1970 to 1987

[National currency units per dollar, except as noted. Except as indicated, data are annual averages of certified noon buying rates for cable transfers]

YEAR	Australia [1] (dollar)	Austria (schilling)	Belgium (franc)	Canada (dollar)	China: Taiwan (dollar)	Denmark (krone)	France (franc)	Greece (drachma)	Hong Kong (dollar)
1970	111.36	25.880	49.680	1.0103	40.050	7.4890	5.5200	30.00	6.0600
1975	130.77	17.443	36.799	1.0175	38.000	5.7481	4.2676	32.29	4.9380
1976	122.15	17.955	38.606	.9863	38.000	6.0460	4.7824	36.52	4.9040
1977	110.82	16.545	35.848	1.0633	38.000	6.0049	4.9160	36.84	4.6620
1978	114.41	14.525	31.493	1.1405	37.054	5.5182	4.5090	38.75	4.6850
1979	111.77	13.397	29.342	1.1693	36.048	5.2822	4.2586	37.04	5.0030
1980	114.00	12.945	29.237	1.1693	36.015	5.6345	4.2250	42.82	4.9780
1981	114.95	15.946	37.194	1.1990	36.849	7.1350	5.4396	55.41	5.5678
1982	101.65	17.060	45.780	1.2344	39.124	8.3443	6.5793	66.87	6.0697
1983	90.14	17.968	51.121	1.2325	40.065	9.1483	7.6203	87.90	7.2569
1984	87.94	20.005	57.749	1.2953	39.633	10.3540	8.7355	112.73	7.8188
1985	70.03	20.676	59.336	1.3658	39.889	10.5980	8.9799	138.40	7.7911
1986	67.09	15.260	44.662	1.3896	37.857	8.0954	6.9256	139.93	7.8037
1987, June	69.69	12.675	37.967	1.3332	32.914	6.9258	6.1033	135.71	7.8000

YEAR	India (rupee)	Ireland [1] (pound)	Italy (lira)	Japan (yen)	Malaysia (ringgit)	Netherlands (guilder)	New Zealand [1] (dollar)	Norway (krone)	Portugal (escudo)
1970	7.576	239.59	623.00	357.60	3.0900	3.5970	111.48	7.1400	28.75
1975	8.409	222.16	653.09	296.78	2.4030	2.5293	121.16	5.2262	25.51
1976	8.971	180.48	833.55	296.45	2.5421	2.6448	99.12	5.4589	30.24
1977	8.769	174.49	882.76	268.62	2.4625	2.4547	96.89	5.3239	38.34
1978	8.198	191.84	849.12	210.38	2.3168	2.1642	103.84	5.2466	44.03
1979	8.156	204.65	831.16	219.02	2.1721	2.0072	102.23	5.0650	48.95
1980	7.867	205.77	856.20	226.63	2.1767	1.9675	97.34	4.9381	50.08
1981	8.681	161.32	1,138.80	220.63	2.3048	2.4998	86.85	5.7430	61.74
1982	9.485	142.05	1,354.00	249.06	2.3395	2.6719	75.10	6.4567	80.10
1983	10.104	124.81	1,519.30	237.55	2.3204	2.8543	66.79	7.3012	111.61
1984	11.348	108.64	1,756.10	237.45	2.3448	3.2083	57.84	8.1596	147.70
1985	12.332	106.62	1,908.90	238.47	2.4806	3.3184	49.75	8.5933	172.07
1986	12.597	134.14	1,491.16	168.35	2.5830	2.4484	52.46	7.3984	149.60
1987, June	12.921	146.08	1,313.18	148.35	2.5224	2.0646	57.11	6.8553	142.20

YEAR	Singapore (dollar)	South Africa [1] (rand)	South Korea (won)	Spain (peseta)	Sweden (krona)	Switzerland (franc)	Thailand (baht)	United Kingdom [1] (pound)	West Germany (deutsche mark)
1970	3.0800	139.24	310.57	69.72	5.1700	4.3160	21.000	239.59	3.6480
1975	2.3713	136.47	484.00	57.43	4.1530	2.5839	20.379	222.16	2.4613
1976	2.4708	114.85	484.00	66.96	4.3579	2.5001	20.400	180.48	2.5184
1977	2.4394	114.99	484.00	75.99	4.4801	2.4064	20.400	174.49	2.3238
1978	2.2745	115.01	484.00	76.72	4.5206	1.7906	20.336	191.84	2.0096
1979	2.1746	118.72	484.00	67.16	4.2892	1.6643	20.419	212.24	1.8342
1980	2.1412	128.54	607.43	71.76	4.2309	1.6772	20.476	232.43	1.8175
1981	2.1053	114.77	681.03	92.40	5.0659	1.9674	21.731	202.43	2.2631
1982	2.1406	92.30	731.93	110.09	6.2838	2.0327	23.014	174.80	2.4260
1983	2.1136	89.85	776.04	143.50	7.6717	2.1006	22.991	151.59	2.5539
1984	2.1325	69.53	807.91	160.78	8.2706	2.3500	23.582	133.66	2.8454
1985	2.2006	45.57	861.89	169.94	8.6031	2.4551	27.193	129.74	2.9419
1986	2.1782	43.95	884.61	140.04	7.1272	1.7979	26.314	146.77	2.1704
1987, June	2.1296	46.69	837.41	127.48	6.4249	1.5246	25.870	159.51	1.8310

[1] Value is U.S. cents per unit of foreign currency.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1418. Exchange Rates—Indexes of Value of Foreign Currency Relative to U.S. Dollar: 1970 to 1986

[1977 = 100]

YEAR	United States	Canada	Japan	Belgium	Denmark	France	Italy	Netherlands	Norway	Sweden	United Kingdom	West Germany
1970	100.0	101.8	74.8	72.2	80.0	88.9	140.8	67.9	74.5	86.1	137.3	63.7
1971	100.0	105.2	77.1	73.8	81.1	89.2	142.8	70.3	75.8	87.5	140.1	66.8
1972	100.0	107.3	88.4	81.4	86.3	97.4	151.2	76.4	80.8	93.9	143.3	72.9
1973	100.0	106.2	98.9	92.3	99.7	110.8	151.8	88.3	92.6	102.6	140.5	87.6
1974	100.0	108.7	91.9	92.1	98.7	102.3	135.7	91.4	96.4	100.8	134.1	89.9
1975	100.0	104.4	90.3	97.6	104.7	114.8	136.3	97.3	102.1	107.9	127.3	94.5
1976	100.0	107.8	90.4	92.9	99.3	102.9	106.3	92.9	97.5	102.6	103.4	92.2
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.0	93.2	126.5	114.0	109.0	109.2	104.0	113.6	101.5	98.9	109.9	115.8
1979	100.0	90.7	122.7	122.2	114.1	115.5	106.2	122.3	105.1	104.2	121.6	126.7
1980	100.0	90.9	118.7	122.7	106.7	116.5	103.2	123.6	107.8	105.6	133.3	127.9
1981	100.0	88.6	121.4	96.8	84.1	90.4	77.5	98.6	92.7	86.2	116.0	103.0
1982	100.0	86.1	107.5	78.3	71.9	74.7	65.2	91.8	82.4	71.1	100.2	95.6
1983	100.0	86.2	112.7	70.1	65.6	64.5	58.1	86.0	72.9	58.2	86.9	90.9
1984	100.0	82.0	112.8	62.0	58.0	56.3	50.3	76.5	65.2	54.0	76.8	81.6
1985	100.0	77.8	112.3	60.4	56.6	54.7	46.2	73.9	61.9	51.9	74.4	78.9
1986	100.0	76.5	159.1	80.2	74.2	71.0	59.2	100.4	71.9	62.7	84.1	107.0

Source: U.S. Bureau of Labor Statistics, News Release USDL: 87-237, "*International Comparisons of Manufacturing Productivity and Labor Cost Trends*"; June 15, 1987.

Digitized by Google

No. 1419. Central Bank Discount Rates, Money Market Rates, and Government Bond Yields—Selected Countries: 1980 to 1987

[**In percent per annum. Central bank discount rates** refer to the rate at which the monetary authority lends or discounts eligible paper for deposit money banks. **Money market rates** refer to the rate at which short-term borrowings are effected between financial institutions. **Government bond yields** refer to one or more series representing average yields to maturity of government bonds or other bonds that would be indicative of longer term rates]

National interest rate and year	United States	Canada	Japan	France	West Germany	Italy	Netherlands	Sweden	Switzerland	United Kingdom
Central bank discount rates: [1]										
1980	13.00	17.26	7.25	9.50	7.50	16.50	8.00	10.00	3.00	14.00
1982	8.50	10.26	5.50	9.50	5.00	18.00	5.00	10.00	4.50	(*)
1983	8.50	10.04	5.00	9.50	4.00	17.00	5.00	8.50	4.00	(*)
1984	8.00	10.16	5.00	9.50	4.50	16.50	5.00	9.50	4.00	(*)
1985	7.50	9.49	5.00	9.50	4.00	15.00	5.00	10.50	4.00	(*)
1986	5.50	8.49	3.00	9.50	3.50	12.00	4.50	7.50	4.00	(*)
1987, June	5.50	8.59	2.50	9.50	3.00	11.50	4.50	7.50	3.50	(*)
Money market rates: [2]										
1980	13.36	13.28	(NA)	11.85	9.10	17.17	10.13	12.17	2.29	15.62
1982	12.26	14.35	6.94	14.67	8.67	20.16	8.06	13.29	1.32	11.36
1983	9.09	9.62	6.39	12.53	5.36	18.44	5.28	10.85	1.84	9.09
1984	10.23	10.91	6.10	11.74	5.55	17.27	5.78	11.77	3.34	7.62
1985	8.10	9.57	6.46	9.93	5.19	15.25	6.30	13.85	3.75	10.78
1986	6.81	9.30	4.79	7.74	4.57	13.50	5.83	10.15	3.17	10.66
1987, June	6.73	8.50	3.16	8.01	3.61	10.92	5.19	8.22	4.45	8.84
Government bond yields:										
1980	11.46	12.48	9.22	13.03	8.50	16.11	10.21	11.74	4.77	13.79
1982	13.00	14.26	8.06	15.69	8.95	20.90	10.10	13.04	4.83	12.88
1983	11.11	11.79	7.42	13.63	7.89	18.02	8.61	12.30	4.52	10.81
1984	12.52	12.75	6.81	12.54	7.78	14.95	8.33	12.28	4.70	10.69
1985	10.62	11.04	6.34	10.94	6.87	13.00	7.34	13.09	4.78	10.62
1986	7.68	9.52	4.94	8.44	5.92	10.52	6.35	10.26	4.29	9.87
1987, June	8.40	9.78	3.91	9.32	5.60	9.48	6.26	(NA)	4.11	8.90

NA Not available. [1] End of period. [2] Minimum lending rate suspended as of August 20, 1981. [3] Period averages.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

No. 1420. External Debt of Soviet Union and Eastern European Countries: 1975 to 1986

[**In millions of dollars.** Net debt represents gross debt minus assets held with Western commercial banks]

Type and source	1975	1979	1980	1981	1982	1983	1984	1985	1986
Gross debt, total	41,400	91,600	102,000	105,000	100,000	103,000	101,000	115,000	137,000
Soviet Union: Gross debt	11,600	19,700	18,800	20,000	19,500	20,900	21,500	26,200	36,700
Commercial debt	7,340	10,200	9,700	12,600	11,100	12,200	13,100	19,400	26,600
Official debt	4,300	9,480	9,140	7,420	8,370	8,740	8,440	8,790	10,100
Net debt	8,080	10,300	9,490	10,800	8,280	8,890	10,000	14,900	21,700
Bulgaria: Gross debt	2,640	4,030	3,550	3,050	2,750	2,390	2,260	3,610	4,880
Commercial debt	2,453	3,620	3,215	2,680	2,285	1,915	1,770	3,060	4,150
Official debt	187	410	335	370	465	475	490	550	730
Net debt	2,257	3,290	2,760	2,225	1,750	1,320	830	1,080	3,500
Czechoslovakia: Gross debt	1,132	4,100	4,920	4,500	4,050	3,950	3,600	3,830	4,480
Commercial debt	926	3,500	4,060	3,695	3,110	2,935	2,565	2,840	3,380
Official debt	206	600	860	805	940	1,015	1,035	990	1,100
Net debt	827	3,050	3,670	3,400	3,300	3,010	2,590	2,840	3,260
East Germany: Gross debt	5,388	12,300	14,100	14,900	13,000	12,840	12,150	13,900	16,750
Commercial debt	4,423	10,220	11,255	11,610	9,460	8,875	8,050	10,000	12,850
Official debt	965	2,080	2,845	3,290	3,540	3,965	4,100	3,900	3,900
Net debt	3,748	10,340	11,600	12,300	10,700	9,450	7,810	7,460	9,300
Hungary: Gross debt	3,135	8,140	9,090	8,700	7,700	8,260	8,840	11,760	15,090
Commercial debt	3,081	8,010	8,790	8,335	6,940	6,950	6,940	9,760	12,380
Official debt	54	130	300	365	525	740	780	830	1,090
BIS/IMF [1]	–	–	–	–	235	570	1,140	1,170	1,620
Net debt	2,195	8,910	7,000	7,050	6,600	6,690	6,740	8,860	12,010
Poland: Gross debt	8,014	22,668	25,000	25,500	24,800	26,400	26,800	29,300	33,500
Commercial debt	5,910	(NA)	14,900	14,215	13,640	10,900	9,400	10,600	12,100
Official debt	2,104	(NA)	10,100	11,285	11,160	15,500	17,400	18,700	21,400
Net debt	7,381	21,500	24,350	24,700	23,800	25,130	25,250	27,710	31,780
Romania: Gross debt	2,924	8,950	9,400	10,160	9,780	8,780	7,100	6,600	6,000
Commercial debt	2,024	5,100	6,545	8,167	5,415	4,770	3,430	2,900	2,700
Official debt	706	900	1,670	1,845	1,430	875	1,070	1,100	1,100
IMF/World Bank/CEMA bank [1]	194	950	1,185	2,148	2,935	3,115	2,600	2,600	2,200
Net debt	2,449	8,650	9,100	9,815	9,400	8,250	6,450	6,140	5,500
Yugoslavia: Gross debt	8,584	13,680	17,606	18,337	18,468	19,000	18,820	19,180	19,360
Commercial debt	4,280	10,150	12,911	12,200	11,928	10,315	8,955	7,780	7,390
Official debt	1,557	1,931	2,578	3,222	3,050	4,600	5,765	7,130	7,740
IMF/World Bank [1]	747	1,599	2,119	2,915	3,510	4,085	4,100	4,270	4,230
Net debt	5,804	12,477	16,237	16,830	17,718	18,080	17,660	17,700	17,900

– Represents zero. NA Not available. [1] BIS = Bank of International Settlements. IMF = International Monetary Fund. CEMA = Council for Economic Mutual Assistance.

Source: U.S. Central Intelligence Agency, *Handbook of Economic Statistics, 1987*; and unpublished data.

Digitized by Google

No. 1421. Total External Public Debt, 1980 to 1985, and by Type of Creditor, 1985, and Debt Service Payments and Ratio, 1980 to 1985

[External public debt is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than one year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undisbursed debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. Debt service payments represent the sum of interest payments and repayments of principal on external public debt]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO [3] (percent)		
	1980	1983	1984	1985				1980	1984	1985	1980	1984	1985
				Total [1]	Bilateral official	Banks [2]	International organizations						
Algeria	16,298	12,985	12,211	13,664	2,215	8,428	469	3,856	4,559	4,584	26.6	33.6	33.3
Argentina [4]	10,181	25,445	26,746	35,604	2,214	30,553	1,932	1,967	2,563	4,314	17.7	25.9	41.7
Bangladesh	3,549	4,885	5,155	5,968	2,998	48	2,886	77	173	214	7.1	14.3	16.7
Bolivia	2,229	3,105	3,203	3,259	1,591	840	757	290	321	214	27.8	37.8	29.1
Brazil	40,105	59,494	66,535	73,894	7,113	57,543	6,921	6,040	7,513	7,776	34.5	24.8	26.6
Burma [5]	1,452	2,225	2,250	2,947	1,873	195	744	112	160	197	22.6	37.4	(NA)
Cameroon	2,049	1,829	1,738	1,975	861	304	709	186	222	238	6.9	8.7	8.3
Chile	4,740	6,872	10,839	12,734	714	10,186	1,481	1,375	1,259	1,230	21.9	26.2	26.2
China: Mainland	793	3,280	4,023	7,020	(NA)	(NA)	(NA)	65	343	(NA)	.3	1.2	(NA)
Colombia	4,064	6,885	7,980	9,377	1,916	3,636	3,245	529	1,095	1,407	9.0	20.5	29.2
Congo	1,117	1,519	1,559	1,780	634	671	309	93	258	323	9.0	19.0	(NA)
Costa Rica	1,701	3,325	3,358	3,665	1,007	1,911	738	205	350	464	18.8	26.7	36.6
Dominican Republic	1,191	2,181	2,384	2,521	1,185	735	567	154	167	220	11.7	12.1	(NA)
Ecuador	3,300	6,269	6,834	7,121	1,149	4,908	614	559	991	939	16.6	33.4	28.8
Egypt	12,388	15,403	16,368	17,751	10,836	848	3,966	1,401	1,828	2,249	21.5	24.8	33.9
El Salvador	527	1,346	1,387	1,460	676	150	634	42	194	196	3.3	20.3	(NA)
Ethiopia	701	1,225	1,398	1,742	652	152	609	34	84	105	6.0	13.5	(NA)
Ghana	1,099	1,132	1,113	1,170	461	3	566	94	82	82	7.7	13.5	12.2
Greece	4,788	6,206	9,457	12,452	705	9,670	1,741	915	1,344	1,760	10.9	18.3	24.8
Guatemala	549	1,389	1,991	2,148	644	793	711	45	195	255	2.4	15.4	21.3
Guinea	1,032	1,249	1,170	1,292	814	45	263	95	116	66	(NA)	(NA)	(NA)
Honduras	991	1,614	1,860	2,178	629	409	1,088	98	130	170	10.2	14.9	17.6
Hungary	6,409	6,548	7,380	10,138	953	7,942	345	1,417	2,539	2,582	13.9	24.2	25.0
India [6]	17,550	21,152	22,295	26,649	10,455	3,216	12,746	1,038	1,464	1,885	8.4	10.7	13.3
Indonesia	14,971	21,685	22,862	26,625	9,854	7,894	5,103	1,758	3,251	4,015	7.9	14.7	20.1
Israel	11,495	14,986	15,765	15,850	11,161	4,584	86	1,392	1,798	2,110	14.2	17.1	19.7
Ivory Coast	4,334	4,793	4,955	5,700	1,401	2,888	1,217	674	605	577	24.0	19.7	17.4
Jamaica	1,438	2,394	2,554	2,823	1,637	426	732	202	253	398	14.2	19.0	36.5
Jordan	1,279	2,230	2,487	2,693	1,441	874	399	133	207	454	7.8	10.4	22.1
Kenya	2,241	2,431	2,824	2,857	1,094	364	1,343	253	346	386	12.3	21.4	25.5
Madagascar	958	1,860	1,987	2,340	1,381	307	498	59	74	117	11.5	18.9	(NA)
Malaysia	3,858	10,593	12,226	13,834	2,098	9,961	1,172	378	1,480	3,989	2.5	7.8	22.3
Mauritania	732	1,166	1,204	1,363	887	82	341	30	43	78	11.7	13.1	(NA)
Mexico	33,987	66,759	70,071	72,510	2,645	63,894	5,754	7,901	11,343	10,977	32.1	34.9	36.9
Morocco	7,110	10,153	10,556	11,230	5,403	3,842	1,776	1,193	781	1,034	36.5	25.2	32.3
Nicaragua	1,683	3,383	4,010	4,753	2,691	1,307	720	82	64	41	16.0	(NA)	(NA)
Nigeria	4,238	12,237	11,641	13,018	976	8,456	1,317	504	3,155	4,004	1.8	25.5	30.8
Oman	440	1,132	1,345	1,946	253	1,484	113	197	214	255	5.1	4.5	4.8
Pakistan	6,785	9,753	9,990	10,681	6,914	637	3,031	593	937	1,072	17.9	27.1	29.5
Panama	2,283	3,147	3,230	3,278	403	2,089	741	466	536	432	6.0	8.2	6.8
Papua New Guinea	510	927	990	1,061	116	561	380	81	138	131	5.6	13.4	(NA)
Paraguay	633	1,144	1,287	1,525	503	456	528	80	117	153	11.6	13.5	12.9
Peru	6,169	8,664	9,612	10,527	3,449	4,360	1,314	1,512	582	299	31.2	14.6	7.9
Philippines	6,594	10,578	11,812	13,561	3,378	8,237	3,504	589	1,115	1,257	7.4	13.9	15.8
Portugal	6,576	9,958	10,036	10,803	1,335	8,102	1,217	1,033	2,631	2,502	15.1	36.8	31.5
Romania	7,131	7,577	6,337	5,801	1,103	2,998	1,829	1,156	1,851	1,773	9.5	13.6	13.6
Senegal	961	1,497	1,530	1,989	1,175	245	563	179	84	89	20.1	(NA)	(NA)
Singapore	1,320	1,495	1,905	1,791	246	1,234	139	263	317	722	1.0	1.0	2.4
Somalia	714	1,236	1,277	1,308	758	36	499	9	27	57	4.3	25.1	44.8
South Korea	16,227	22,689	24,983	29,126	5,724	17,251	4,435	2,770	4,871	5,030	12.3	13.9	15.2
Sri Lanka	1,344	2,215	2,422	2,815	1,426	606	742	84	202	226	6.3	11.2	13.9
Sudan	3,802	5,664	5,663	5,066	3,182	886	990	104	104	130	10.1	13.2	15.6
Syria	2,107	2,305	2,415	2,751	2,132	45	476	297	330	360	11.6	12.9	14.8
Tanzania	2,042	2,662	2,758	2,982	1,346	326	1,065	73	69	61	10.2	(NA)	(NA)
Thailand	4,100	7,000	7,539	9,898	2,649	3,614	3,096	434	1,251	1,499	5.1	12.0	14.7
Trinidad and Tobago	623	886	915	1,087	180	868	42	216	127	184	6.4	4.6	7.1
Tunisia	3,230	3,858	3,802	4,442	2,310	1,101	806	431	654	677	12.9	23.4	24.9
Turkey	15,441	15,687	16,112	17,821	7,556	4,798	4,813	881	2,288	3,582	24.0	23.4	30.9
Uruguay	1,127	2,510	2,545	2,686	142	2,225	295	198	411	406	12.4	29.8	30.6
Venezuela	10,873	12,914	17,249	18,650	87	18,441	74	2,964	2,537	2,160	13.3	13.4	12.9
Yemen (Aden)	499	903	1,044	1,446	1,117	--	329	14	77	114	7.7	47.9	(NA)
Yemen (Sanaa)	900	1,574	1,686	1,868	1,377	10	476	21	88	126	6.1	26.9	55.8
Yugoslavia [7]	4,598	7,252	8,681	9,919	2,267	5,452	2,200	618	946	1,170	4.5	8.0	9.3
Zaire	4,288	4,380	4,236	4,821	3,366	640	693	365	319	341	16.7	14.8	(NA)
Zambia	2,182	2,616	2,812	3,214	1,770	441	750	294	117	86	18.1	12.0	10.2
Zimbabwe	697	1,539	1,413	1,526	400	850	251	44	272	326	2.6	19.9	(NA)

- Represents zero. NA Not available. [1] Includes other types of creditors, not shown separately. [2] Includes other private financial institutions. [3] Debt service payments as percent of exports. [4] The increase in debt outstanding from 1980 to 1983 includes the refinancing of short-term private debt by public debt, which matures in 1986-87. [5] Fiscal year basis. [6] The bulk of the debt of Yugoslavian enterprises is reported as nonguaranteed.

Source: The World Bank, Washington, DC, *World Debt Tables*, periodic.

Digitized by Google

No. 1422. Net Flow of Financial Resources to Developing Countries, by Origin and Type of Resource: 1970 to 1986

[**In billions of U.S. dollars.** Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. The DAC list differs from the UN list (see table 1378) by the inclusion of Greece, Malta, Portugal, Spain (through 1981), and Yugoslavia, and the exclusion of South Africa. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986, est.
Development Assistance Committee countries [1]	15.9	44.8	75.9	75.3	91.4	84.0	70.1	84.3	47.3	69.2
Official development assistance	6.9	13.8	22.8	27.3	25.5	27.7	27.8	28.7	29.4	36.8
Bilateral grants [2]	3.3	6.3	11.7	14.1	13.2	13.4	14.2	15.5	17.8	21.0
Bilateral loans	2.4	3.5	4.6	4.0	5.0	5.0	4.4	4.2	4.1	5.2
Multilateral contributions [3]	1.3	4.0	6.5	9.2	7.3	9.3	9.0	9.0	7.5	10.6
Other official flows	1.1	3.9	2.9	5.3	6.6	7.4	4.9	5.2	3.4	3.8
Private flows at market terms	7.0	25.7	46.1	40.7	57.2	46.6	35.4	46.8	11.5	25.5
Direct investment	3.7	10.3	12.4	10.5	15.4	10.4	7.8	11.1	6.6	10.2
Private export credits	2.2	3.5	9.4	11.5	10.5	7.3	5.3	4.2	1.5	3.5
Portfolio investment	1.2	11.9	26.3	18.7	31.3	28.8	22.2	31.5	3.4	11.9
Private voluntary agencies	.9	1.3	2.0	2.4	2.0	2.3	2.3	2.6	2.9	3.3
Organization of Petroleum Exporting Countries [4]	.6	8.8	8.0	10.8	10.8	7.7	5.9	3.7	4.1	(NA)
Official development assistance	.4	6.2	7.4	9.7	8.3	5.8	5.0	3.6	3.6	4.6
Other official flows	.2	2.6	.6	1.1	2.5	1.9	.9	−.9	.5	(NA)
Centrally-planned economies: [5]										
Official development assistance	1.0	1.5	2.1	2.8	3.1	3.2	3.1	3.2	3.6	4.2
Total net flow to developing countries, by DAC country [1]	15.9	44.8	75.9	75.3	91.4	84.0	70.1	84.3	47.3	69.2
United States	6.4	17.7	18.8	13.9	26.4	30.2	23.0	28.6	1.8	12.1
Official development assistance	3.2	4.2	4.7	7.1	5.8	8.2	8.1	8.7	9.4	9.6
Bilateral grants [2]	1.4	1.7	2.5	3.0	3.2	5.8	4.5	5.6	7.3	7.0
Bilateral loans	1.3	1.2	1.8	1.4	1.2	1.1	1.0	.8	.9	.8
Multilateral contributions [3]	.5	1.2	.6	2.8	1.5	3.3	2.5	2.3	1.2	2.0
Other official flows	.1	.9	1.1	1.1	.9	1.6	(Z)	1.0	.2	−.6
Private flows at market terms	2.5	11.8	12.0	4.3	18.7	19.1	13.6	17.4	−9.3	1.3
Direct investment	1.9	7.2	8.0	3.4	6.5	5.5	2.3	4.4	.9	3.1
Private export credits and portfolio investment	.6	4.6	4.0	.9	12.2	13.6	11.2	13.0	−10.2	−1.8
Private voluntary agencies	.6	.8	1.0	1.3	1.0	1.3	1.1	1.5	1.1	1.8
Australia	.4	.6	.9	.9	.8	1.2	1.0	1.5	1.2	1.8
Austria	.1	.2	.3	.3	.3	.1	.1	.1	.2	.3
Belgium	.3	.9	2.3	2.9	2.8	.7	1.0	3.5	1.3	−.9
Canada	.6	2.0	2.4	3.2	5.8	1.9	2.6	2.8	1.7	1.6
Denmark	.1	.3	.8	.8	.9	.8	1.1	.6	.4	.9
Finland	(Z)	.1	.2	.2	.2	.2	.2	.3	.3	.4
France	1.8	3.9	8.8	11.6	11.5	13.6	9.3	8.9	8.9	9.9
Ireland	(NA)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	.1	.1	.1
Italy	.7	1.6	4.1	4.0	3.7	5.0	3.1	2.3	2.2	3.7
Japan	1.8	2.9	7.6	6.8	12.2	8.8	8.0	16.0	12.9	14.2
Netherlands	.4	1.3	2.0	2.4	2.2	2.5	2.2	2.0	2.6	2.8
New Zealand	(Z)	.1	.1	.1	.1	.1	.1	.1	.1	.1
Norway	.1	.3	.8	.9	.7	.8	.7	1.5	1.7	1.9
Sweden	.2	.8	1.2	1.9	1.4	1.8	1.3	1.3	1.4	1.7
Switzerland	.1	.7	5.0	2.7	2.3	3.2	3.3	3.4	2.3	3.5
United Kingdom	1.3	6.6	13.5	12.2	11.9	6.3	5.8	4.8	2.4	7.4
West Germany	1.5	5.0	7.3	10.6	8.1	7.0	7.0	6.5	5.7	7.9

NA Not available. Z Less than $50 million. [1] Includes flows to OPEC countries (see footnote 4). Comprises as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, United States, and West Germany. [2] Includes "grant-like" flows (i.e., loans repayable in recipients' currencies). [3] Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. [4] Algeria, Ecuador, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. [5] Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Soviet Union.

No. 1423. Per Capita Public and Private Aid to Developing Countries: 1980 to 1986

[**In dollars.** See headnote, table 1422. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranked by per capita gross national product in 1986]

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID			COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID		
	1980	1985	1986	1980	1985	1986		1980	1985	1986	1980	1985	1986
Switzerland	40	46	[1] 66	10	8	[1] 9	France	77	72	93	1	1	[1] 1
United States	31	39	[1] 41	6	6	7	Austria	24	33	26	3	2	[1] 3
Japan	29	31	46	(Z)	(Z)	(Z)	Netherlands	115	78	119	6	7	10
Norway	119	136	191	8	12	14	Belgium	60	45	[1] 56	5	2	(Z)
Sweden	116	101	130	7	9	10	United Kingdom	33	27	[1] 31	2	3	[1] 3
Denmark	92	86	136	3	3	[1] 4	Australia	45	48	47	3	3	2
West Germany	58	48	64	7	7	9	Italy	12	19	42	(Z)	(Z)	(Z)
Finland	23	43	64	3	3	(Z)	New Zealand	23	17	[1] 23	2	3	[1] 2
Canada	45	64	66	4	7	7	Ireland	9	11	[1] 17	-	6	6

- Represents zero. Z Less than 50 cents. [1] Estimated.

Source of tables 1422 and 1423: Organization for Economic Cooperation and Development, Paris, France, unpublished data.

Digitized by Google

No. 1424. Military Expenditures in Current and Constant (1983) Dollars: 1975 to 1984

[In millions of dollars, except as indicated. See also table 517. For most countries, data for expenditures and for GNP were based on local currencies which were deflated to constant 1983 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1983 average par/market exchange rates as supplied by the International Bank for Reconstruction and Development]

COUNTRY	CURRENT DOLLARS					CONSTANT (1983) DOLLARS						
	1975	1980	1982	1983	1984	1975	1980	1984	Per capita (dollars)		Percent of GNP [2]	
									1980	1984	1980	1984
United States	90,950	144,000	196,400	217,200	237,100	157,900	174,200	229,200	765	968	5.3	6.0
Algeria [3]	423	968	1,921	1,420	1,403	734	1,171	1,357	62	63	2.9	2.7
Argentina	781	2,036	3,461	2,745	2,327	1,357	2,463	2,250	87	74	3.6	3.7
Australia	1,539	2,969	3,851	4,308	4,657	2,672	3,593	4,502	246	291	2.5	2.9
Austria	344	604	[4] 773	[4] 890	[4] 921	597	731	[3] 891	97	118	1.1	1.3
Belgium	1,253	2,241	2,629	2,672	2,669	2,175	2,712	2,580	275	262	3.3	3.1
Brazil	994	1,191	1,833	1,726	1,778	1,726	1,441	1,719	12	13	.7	.8
Bulgaria [3]	2,181	3,121	4,137	4,310	4,532	3,786	3,777	4,381	426	489	7.3	7.5
Canada	2,903	4,733	6,245	6,563	7,604	5,039	5,727	7,350	238	292	1.9	2.2
Chile	404	625	742	759	817	700	757	790	69	67	3.6	4.2
China:												
Mainland [5]	12,730	19,060	21,680	22,670	24,040	22,110	23,070	23,240	23	23	10.5	7.5
Taiwan	1,099	[6] 2,353	3,536	4,085	3,867	1,908	[6] 2,847	3,738	160	196	6.6	6.1
Cuba [3]	393	1,140	1,330	1,470	1,600	682	1,380	1,547	149	155	6.5	5.0
Czechoslovakia [3]	3,715	5,386	6,885	7,271	7,642	6,449	6,518	7,388	427	478	5.4	5.5
Denmark	682	1,091	1,319	1,375	1,395	1,183	1,320	1,349	256	264	2.5	2.4
East Germany [3]	4,687	7,265	9,293	9,966	10,680	8,136	8,791	10,330	525	619	5.8	6.2
Egypt [3]	3,593	2,322	5,476	5,894	5,122	6,237	2,810	4,952	67	104	9.2	10.5
El Salvador [3]	29	101	154	160	251	51	123	243	26	50	2.7	6.1
Finland	329	594	707	843	790	570	719	764	150	156	1.6	1.5
France	9,459	16,700	20,340	21,650	22,350	16,420	20,210	21,600	375	394	4.0	4.3
Greece	1,096	1,615	2,273	2,195	2,664	1,903	1,954	2,575	203	260	5.5	7.2
Hungary [3]	1,827	2,640	3,114	3,197	3,286	3,171	3,195	3,177	298	298	4.4	4.3
India	2,499	4,496	5,948	6,778	[3] 7,141	4,338	5,441	[3] 6,903	8	9	3.4	3.6
Indonesia	1,024	1,726	2,268	2,125	2,211	1,778	2,089	2,138	13	13	2.1	2.0
Iran [3]	13,210	7,538	9,283	8,163	11,360	22,940	9,121	10,980	235	251	6.6	7.2
Iraq [3]	3,058	11,230	14,090	13,990	14,840	5,308	13,590	14,150	1,035	944	22.5	42.5
Israel	3,546	6,085	5,456	6,308	7,206	6,155	7,364	6,966	1,955	1,721	30.4	27.1
Italy	4,224	7,135	8,903	9,481	10,110	7,331	8,635	9,771	153	171	2.4	2.7
Japan	4,280	8,155	10,470	11,600	12,700	7,430	9,868	12,280	84	102	.9	1.0
Kuwait	692	897	1,127	1,408	1,438	1,201	1,086	1,391	793	850	3.0	5.0
Malaysia	433	875	1,545	[3] 1,443	[3] 1,193	752	1,059	[3] 1,154	77	76	4.4	3.9
Mexico	444	471	693	726	966	771	570	934	8	12	.4	.7
Morocco	250	639	803	657	666	434	773	643	38	28	6.5	5.0
Netherlands	2,191	3,450	4,059	4,257	4,510	3,803	4,175	4,360	295	302	3.1	3.0
Nicaragua [3]	39	151	330	348	473	68	183	457	67	146	5.8	13.4
Nigeria	2,314	1,960	[3] 1,758	[3] 1,644	[3] 1,210	4,018	2,371	[3] 1,170	26	12	2.7	1.7
North Korea [3]	2,000	3,500	4,600	4,900	5,200	3,472	4,235	5,027	237	256	22.6	22.1
Norway	767	1,250	1,531	1,699	1,679	1,332	1,513	1,623	370	382	3.0	2.9
Oman	699	1,180	1,685	1,944	2,111	1,213	1,428	2,040	1,460	1,728	22.1	20.7
Pakistan	664	1,068	1,499	1,934	1,990	1,153	1,292	1,923	15	20	5.0	5.9
Peru [3]	436	851	970	921	1,450	757	1,030	1,402	60	73	4.8	7.3
Philippines	422	512	533	549	396	732	619	383	12	7	1.9	1.2
Poland [3]	6,355	9,559	12,350	12,240	13,440	11,030	11,570	12,990	325	352	5.2	5.7
Portugal	466	576	680	693	680	813	700	658	71	66	3.6	3.5
Qatar	85	604	(NA)	(NA)	(NA)	147	731	(NA)	3,184	(NA)	9.3	(NA)
Romania [3]	2,852	3,794	4,914	5,189	5,350	4,951	4,591	5,172	207	226	4.3	4.4
Saudi Arabia	6,360	16,330	24,910	27,020	[3] 22,220	11,040	19,760	[6] 21,480	2,098	1,960	14.4	21.7
Singapore	257	582	773	724	1,015	446	704	982	292	388	5.9	5.3
South Africa	1,414	3,219	[6] 2,779	[6] 3,737	[6] 3,540	2,454	3,896	[6] 3,422	136	108	5.2	4.2
South Korea	1,144	3,069	4,052	4,390	4,590	1,985	3,714	4,437	94	106	6.1	5.4
Soviet Union [3]	121,000	196,000	232,000	247,000	260,000	210,000	237,200	251,300	893	914	12.8	12.9
Spain	2,192	2,437	3,085	3,335	[3] 3,633	3,805	2,949	[6] 3,512	79	91	1.9	2.2
Sweden	1,573	2,261	2,737	2,868	2,928	2,731	2,736	2,831	329	340	3.1	3.1
Switzerland	1,023	1,648	1,945	2,055	2,203	1,775	1,994	2,139	312	331	2.0	2.0
Syria	1,145	2,316	2,730	[6] 4,044	[6] 4,255	1,987	2,802	[6] 4,114	319	405	16.9	22.1
Thailand	361	1,123	1,442	1,519	1,882	627	1,359	1,626	29	32	4.0	3.9
Turkey	1,312	1,593	2,450	2,469	2,487	2,278	1,928	2,385	43	46	4.4	4.0
United Arab Emirates	34	1,724	1,980	1,973	1,932	59	2,087	1,866	2,118	1,500	6.2	7.4
United Kingdom	11,610	18,190	21,070	24,170	25,410	20,150	22,010	24,570	391	436	5.0	5.3
Venezuela	675	747	1,143	995	1,067	1,172	903	1,031	60	61	1.3	1.3
West Germany	11,490	17,680	20,970	22,130	22,780	19,940	21,390	22,020	347	360	3.3	3.3
Yugoslavia	1,089	1,864	1,707	1,665	1,791	1,891	2,013	1,731	90	75	4.3	3.8

NA Not available. [1] Military expenditure as percent of gross national product. For additional information on comparisons between communist and noncommunist countries, see footnote 4, table 517. [2] Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual

Digitized by Google

No. 1425. Armed Forces Personnel—Number and Rate, by Country: 1975 to 1984

Personnel data as of July. Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included)

Country	Armed forces personnel (1,000)						Armed forces per 1,000 population					
	1975	1980	1981	1982	1983	1984	1975	1980	1981	1982	1983	1984
United States	2,098	2,101	2,168	2,201	2,222	2,244	9.7	9.2	9.4	9.5	9.5	9.5
Algeria	80	101	101	120	130	170	5.0	5.4	5.2	6.0	6.3	7.9
Argentina	160	155	155	175	175	174	6.1	5.5	5.4	6.0	5.9	5.8
Australia	70	71	72	73	73	71	5.1	4.9	4.8	4.8	4.8	4.6
Austria	50	40	40	40	50	40	6.6	5.3	5.3	5.3	6.6	5.3
Belgium	103	108	110	109	109	107	10.5	10.9	11.1	11.0	11.1	10.9
Brazil	455	450	450	460	460	459	4.2	3.7	3.6	3.6	3.5	3.4
Bulgaria	175	162	165	175	177	177	20.1	18.3	18.6	19.6	19.8	19.8
Canada	78	82	81	82	81	82	3.4	3.4	3.3	3.3	3.3	3.3
Chile	110	116	116	116	126	123	10.8	10.5	10.4	10.2	10.9	10.4
China												
Mainland	4,300	4,850	4,750	4,350	4,100	4,100	4.7	4.7	4.8	4.3	4.0	4.0
Taiwan	504	465	461	457	464	470	31.3	26.1	25.4	24.8	24.2	24.7
Cuba	120	220	225	230	250	297	12.9	22.8	23.2	23.5	25.3	29.7
Czechoslovakia	210	212	212	213	214	213	14.2	13.9	13.8	13.9	13.9	13.8
Denmark	34	33	33	32	30	31	6.7	6.4	6.4	6.2	5.9	6.1
East Germany	220	231	232	233	240	240	13.1	13.8	13.9	14.0	14.4	14.4
Egypt	400	447	447	447	447	466	10.8	10.6	10.2	9.9	9.6	9.8
El Salvador	8	16	23	26	32	45	1.9	3.4	5.0	6.0	6.7	9.2
Finland	40	36	36	36	40	40	8.5	7.5	7.5	7.5	8.2	8.2
France	585	575	575	578	578	571	11.1	10.7	10.6	10.6	10.6	10.4
Greece	185	186	188	186	177	197	20.5	19.3	19.3	19.0	18.0	19.9
Honduras	12	14	17	17	19	20	3.8	3.7	4.3	4.2	4.5	4.6
Hungary	118	119	120	110	105	105	11.2	11.1	11.2	10.3	9.8	9.8
India	1,670	1,104	1,104	1,120	1,250	1,380	2.7	1.6	1.6	1.6	1.7	1.8
Indonesia	260	250	265	280	280	281	1.9	1.6	1.7	1.7	1.7	1.7
Iran	385	305	260	240	240	335	11.5	7.9	6.5	5.8	5.8	7.6
Iraq	155	430	392	404	434	788	13.9	32.7	28.9	28.8	29.9	52.5
Israel	172	196	201	205	205	205	51.1	52.0	52.4	52.6	51.7	50.6
Italy	459	500	505	517	498	508	8.3	8.9	8.9	9.1	8.8	8.9
Japan	237	242	241	243	241	241	2.1	2.1	2.0	2.1	2.0	2.0
Kuwait	25	12	12	13	13	15	24.8	8.8	8.4	8.7	8.3	9.2
Malaysia	76	83	90	95	105	105	6.2	6.0	6.4	6.6	7.1	6.9
Mexico	95	120	125	130	130	129	1.5	1.7	1.7	1.8	1.7	1.7
Morocco	75	117	120	125	135	149	4.1	5.7	5.7	5.8	6.1	6.6
Netherlands	107	107	108	106	104	103	7.8	7.6	7.6	7.4	7.2	7.1
Nicaragua	5	24	39	41	46	67	2.1	8.7	13.6	13.9	15.2	21.4
Nigeria	270	150	144	144	144	144	3.5	1.7	1.5	1.5	1.5	1.4
North Korea	470	700	768	782	784	784	29.6	39.1	41.9	41.7	40.9	39.9
Norway	38	40	39	40	41	39	9.6	9.7	9.4	9.7	9.9	9.4
Oman	12	15	15	15	20	25	15.7	15.3	14.6	13.9	17.7	21.2
Pakistan	502	467	549	584	584	646	6.7	5.5	6.2	6.4	6.2	6.7
Peru	95	151	157	164	167	135	6.3	8.7	8.8	9.0	8.9	7.0
Philippines	120	155	156	157	157	157	2.7	3.1	3.0	3.0	2.9	2.8
Poland	435	421	424	429	430	430	12.8	11.8	11.8	11.8	11.8	11.6
Portugal	104	86	88	91	93	100	11.0	9.0	9.0	9.2	9.4	10.0
Qatar	5	6	6	6	6	6	30.3	26.1	24.8	23.6	22.5	21.5
Romania	220	215	214	238	244	244	10.4	9.7	9.6	10.6	10.8	10.8
Saudi Arabia	75	79	79	80	80	95	10.3	8.4	8.1	7.9	7.7	8.8
Singapore	27	50	59	60	60	59	11.9	20.7	24.1	24.3	24.0	23.3
South Africa	50	70	78	78	77	97	2.0	2.4	2.6	2.6	2.5	3.1
South Korea	630	600	606	601	602	602	17.2	15.2	15.1	14.7	14.6	14.3
Soviet Union	4,100	4,400	4,400	4,500	4,500	4,500	16.1	16.6	16.4	16.7	16.5	16.4
Spain	375	341	341	353	340	411	10.5	9.1	9.0	9.3	8.9	10.7
Sweden	75	70	70	70	68	68	9.2	8.4	8.4	8.4	8.2	8.3
Switzerland	25	23	23	23	26	25	3.9	3.6	3.6	3.6	4.3	3.9
Syria	230	250	270	300	400	402	31.0	28.4	29.7	31.8	40.9	39.6
Thailand	227	234	250	250	250	250	5.4	5.0	5.2	5.1	5.0	4.9
Turkey	584	717	741	769	824	815	14.4	15.9	16.0	16.3	17.0	16.5
United Arab Emirates	21	44	44	44	44	44	40.4	44.7	40.7	38.1	36.5	35.3
United Kingdom	348	330	341	335	333	336	6.2	5.9	6.0	5.9	5.9	6.0
Venezuela	55	55	55	56	56	64	4.3	3.7	3.6	3.5	3.4	3.6
Vietnam	643	900	1,000	1,000	1,000	1,000	25.8	16.8	18.2	17.8	17.4	16.9
West Germany	491	490	493	495	495	487	7.9	8.0	8.0	8.0	8.1	8.0
Yugoslavia	270	258	260	258	259	259	12.6	11.6	11.6	11.4	11.4	11.3

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

Digitized by Google



Appendix I

Guide to — Sources of Statistics, State Statistical Abstracts, and Foreign Statistical Abstracts

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1977 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 866-869) and foreign statistical abstracts (see pp. 870 and 871) and in reports for particular commodities, industries, or similar segments of our economic and social structures, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, DC. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Bureau of the Census Publications

In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

Abortions—*see* Vital Statistics.

Accidents—*see also* Health; Insurance; *and* Vital Statistics

U.S. Government

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Injuries in the Logging Industry. 1984. (Bulletin No. 2203.)

Injuries Resulting From Falls From Elevations. 1984. (Bulletin No. 2195.)

Injuries Resulting From Falls On Stairs. 1984. (Bulletin No. 2214.)

Injuries to Warehouse Workers. 1986. (Bulletin No. 2257.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Department of Transportation

Transportation Safety Information Report. Quarterly.

Federal Railroad Administration

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in the United States. Annual.

Accidents—Con.

U.S. Government—Con.

Federal Railroad Administration—Con.

Rail-Highway Crossing Accident/Incident and Inventory Bulletin. Annual.

Mine Safety and Health Administration

Informational Reports by Mining Industry: Coal, Metallic Minerals, Nonmetallic Minerals (except stone and coal), Stone, Sand, and Gravel. Annual.

Mine Injuries and Worktime. (Preliminary data.) Quarterly.

National Center for Health Statistics

Vital Statistics of the United States. Annual.

National Transportation Safety Board

Accidents. Annual.

Other

Metropolitan Life Insurance Company, New York, NY

Health and Safety Education.

Statistical Bulletin. Quarterly.

Digitized by Google

Accidents—Con.

Other—Con.

National Fire Protection Association, Quincy, MA

Fire Journal. Bimonthly.

National Safety Council, Chicago, IL

Accident Facts. Annual.

Agriculture—*see also* Food; Foreign Commerce; Labor; Money and Banking; *and* Population

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial. (1982, most recent.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES2.)

Bureau of the Census and Bureau of Mines

Raw Materials in the United States Economy; 1900-1977. (Issued 1980. Working Paper No. 47.)

Bureau of Reclamation

Annual Report.

Summary Statistics:

Vol. I, Water, Land, and Related Data.

Vol. II, Finances and Physical Features.

Vol. III, Project Data.

Commodity Futures Trading Commission

Annual Report.

Commitments of Traders in Commodity Futures. Monthly.

Department of Agriculture

Agricultural Chartbook, 1986. Annual.

Agricultural Economics Research. Quarterly Journal.

Agricultural Finance, Outlook and Situation. Annual.

Agricultural Finance Statistics, 1960-83. (Statistical Bulletin No. 706.) April 1984.

Agricultural Outlook. 11 issues.

Agricultural Price Reports. Reports on prices received for farm commodities, prices paid for farm supplies, indexes and parity ratios. Monthly and annual.

Agricultural Statistics. Annual.

Conversion Factors and Weights and Measures for Agricultural Commodities and Products. March 1979. (Statistical Bulletin No. 616.)

Crop Production Reports. Acreage, yield, and production of various commodities. Monthly and annual.

Crop Values Report. Price and value of various commodities. Annual.

Agriculture—Con.

U.S. Government—Con.

Department of Agriculture—Con.

Economic Indicators of the Farm Sector. A series of 5 annual issues.

Farmline. 11 issues.

Food Consumption, Prices, and Expenditures, 1964/84. (Statistical Bulletin No. 736.) Revised annually.

Foreign Agricultural Trade of the United States (FATUS). 6 issues with annual supplements on calendar year and fiscal year trade data.

Fruit and Vegetable Reports. Acreage, yield, production, value, and utilization of various fruits and vegetables. Periodic.

The Hired Farm Working Force of 1981. (Agricultural Economic Report No. 507.)

Landownership in the United States. 1978. (Agricultural Economic Report No. 435.)

Livestock and Livestock Products. Reports pertaining to cattle, cattle on feed, hogs and pigs, lamb crop, livestock slaughter, sheep and goats, and wool and mohair. Periodic.

Major Uses of Land in the United States, 1982. 1985.

Milk and Dairy Products Reports. Milk cows, milk production, and dairy products. Monthly and annual.

Other Reports. Reports on varied items including cold storage, farm employment and wages, farm production expenditures, mink, mushrooms, and floriculture crops. Monthly and annual.

Poultry and Egg Reports. Reports covering eggs, chickens, turkeys, hatcheries, egg products, and poultry slaughter. Weekly, monthly, annual.

Rural Development Perspectives. 3 issues.

Situation Reports. Issued for cotton and wool, dairy, feed, fruit, inputs, livestock and poultry, oil crops, rice, sugar and sweeteners, tobacco, vegetables, wheat, and world agriculture. Monthly, quarterly, annual.

Statistics of Farmer Cooperatives. Annual.

Statistics on Oilseeds and Related Data, 1965-82. (Statistical Bulletin No. 695.)

Stock Reports. Stocks of grain, hops, peanuts, potatoes, rice, and soybeans. Quarterly, annual, periodic.

Weekly Weather and Crop Bulletin. Report summarizing weather and its effect on crops the previous week.

Digitized by Google

Agriculture—Con.

U.S. Government—Con.

Farm Credit Administration
Annual Report.
Loans and Discounts of Farm Credit Banks and Associations. Annual.

National Oceanic and Atmospheric Administration
Weekly Weather and Crop Bulletin. National summary.

Soil Conservation Service
National Resources Inventory, 1982. Periodic.
Report of Administrator of Soil Conservation Service. Annual.

Air Force—*see* National Defense.

Air Pollution—*see* Environment.

Aliens—*see* Immigration.

American Samoa—*see* Outlying Areas.

Area—*see* Geography.

Army—*see* National Defense.

Aviation—*see* Transportation.

Banks and Banking—*see* Money.

Births—*see* Vital Statistics.

Broadcasting—*see* Communications.

Building Permits—*see* Construction.

Business—*see also* Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Science Resources; *and* Service Establishments

U.S. Government

Administrative Office of the United States Courts
Annual Report of the Director.

Board of Governors of the Federal Reserve System
Federal Reserve Bulletin. Monthly.

Bureau of the Census
Census of Retail Trade. Quinquennial. (1982, most recent.)
Census of Service Industries. Quinquennial. (1982, most recent.)
Census of Wholesale Trade. Quinquennial. (1982, most recent.)
County Business Patterns. Annual.
Current Business Reports. Retail Trade, Sales, and Inventories, BR; and Wholesale Trade, Sales, and Inventories, BW.
Minority-Owned Businesses. Quinquennial. (1977 and 1982.)

Business—Con.

U.S. Government—Con.

Bureau of the Census—Con.
Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations

Bureau of Economic Analysis
Business Conditions Digest. Monthly.
Business Statistics: 1984. 1985.
The Detailed Input-Output Structure of the U.S. Economy, 1977. 1984.
Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.
Handbook of Cyclical Indicators. 1984.
The National Income and Product Accounts of the United States, 1929-1982: Statistical Tables. 1986.
Selected Data on U.S. Direct Investment Abroad, 1950-79. 1985.
Summary Input-Output Tables of the U.S. Economy: 1976, 1978, and 1979. 1983. (Staff Paper No. 39.)
Survey of Current Business. Monthly.

Council of Economic Advisers
Economic Indicators. Monthly.
Economic Report of the President. Annual.

Federal Trade Commission
Mergers & Acquisitions, 1972-1974. 1978.

Internal Revenue Service
Statistics of Income.
Corporation Tax Returns. Annual.
Statistics of Income Bulletin. Quarterly.

International Trade Administration
U.S. Industrial Outlook. Annual.

Patent and Trademark Office
Commissioner of Patents and Trademarks Annual Report.

Securities and Exchange Commission
Annual Report.
Directory of Companies Required to File Annual Reports with the Securities and Exchange Commission—Under the Securities Exchange Act of 1934. Annually.
A Report on the Operation of the Intermarket Trading System: 1978-1982. June 1982.
Securities Traded on Exchanges Under the Securities Exchange Act. Annual with quarterly supplements.
Staff Report on the Securities Industry in 1981. October 1982.
Statistical Review. Monthly.
Stock Trading Statistics. Monthly.

Digitized by Google

Business—Con.

U.S. Government—Con.

Small Business Administration
Annual Report.

Other

The Conference Board, New York, NY
Economic Road Maps. Monthly.

Dun & Bradstreet Corporation, New York, NY
The Business Failure Record. Annual.
Monthly Business Starts Report.
Monthly Failure Report.
Monthly New Business Incorporations Report.
Quarterly Businessmen's Expectations Report.

Fortune (Time, Inc.), New York, NY
The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, MA
Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL.)
The U.S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. (Studies in Income and Welfare, No. 47.) (University of Chicago Press, Chicago, IL.)

l Welfare—*see* Education; *and* Social Insurance.

Government—*see* State and Local Government.

Service—*see* Federal Government; *and* State and Local Government.

te—*see also* Agriculture

Government

ational Oceanic and Atmospheric Administration
Climatography of the United States, No. 81: Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1951-80. 1982. Issued by State.
Climatological Data. Issued in sections for States and outlying areas. Monthly with annual summary.
Comparative Climatic Data Through 1985.
eneral Summary of Tornadoes. Annual.
ourly Precipitation Data. Monthly with annual summary; for each State.
ocal Climatological Data. Monthly with annual summary; for major cities.

Climate—Con.

U.S. Government—Con.

National Oceanic and Atmospheric Administration—Con.

Storm Data. Monthly.
Weekly Weather and Crop Bulletin. National summary.

Commerce—*see* Foreign Commerce; Retail and Wholesale Trade; *and* Transportation.

Commodity Prices—*see also* Economic Indexes

U.S. Government

Board of Governors of the Federal Reserve System
Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics
Consumer Prices: Energy and Food. Monthly.
CPI Detailed Report. Monthly.
Handbook of Labor Statistics. Periodic. (1985, most recent.)
Monthly Labor Review.
Producer Price Indexes. Monthly, with annual supplement.
Relative Importance of Components in the Consumer Price Indexes. Annual.
U.S. Import and Export Price Indexes. Quarterly.

Department of Agriculture
Agricultural Price Reports. Monthly and annual.
Agricultural Statistics. Annual.

Other

Commodity Research Bureau, a Knight-Ridder Business Information Service, New York, NY
Commodity Year Book Statistical Abstract Service. (3 editions annually.)
CRB Commodity Index Report. Weekly.
CRB Commodity Year Book. Annual.
CRB Futures Chart Service. Weekly.
CRB Outlook. Monthly.
Electronic Futures Trend Analyzer. Daily.
Futures Market Service. Weekly.

Morgan Guaranty Trust Company of New York
The Morgan Guaranty Survey. Monthly. (Wholesale price index.)

Digitized by Google

Commodity Prices—Con.

Other—Con.

Wall Street Journal. (Dow Jones & Co., New York, NY.) Daily except Saturdays, Sundays, and holidays.

Communications—*see also* Newspapers

U.S. Government

Federal Communications Commission
Annual Report.
Statistics of Communications Common Carriers. Annual.

Rural Electrification Administration
Annual Statistical Report—Rural Telephone Borrowers.

U.S. Postal Service
Annual Report of the Postmaster General.
Revenue and Cost Analysis. Annual.

Other

John Blair & Company, New York, NY
Statistical Trends in Broadcasting. Annual.

Book Industry Study Group, Inc., New York, NY
Book Industry Trends. Annual.

Broadcasting Publications, Inc., Washington, DC
Broadcasting Magazine. Weekly.
Broadcasting Cablecasting Yearbook.

Corporation for Public Broadcasting, Washington, DC
Public Broadcasting Income. Annual.
Public Broadcasting: Statistical Brief. Annual.
Public Radio and Television Programming Content by Category. Biennial.
Summary Statistical Report of PTV Licensees. Annual.
Summary Statistical Report of Public Radio Stations. Annual.

Editor & Publisher Co., Inc., New York, NY
International Year Book. Annual.
Market Guide. Annual.

Electronic Industries Association, Washington, DC
Electronic Market Data Book. Annual.
Electronic Market Trends. Monthly.
Electronics Foreign Trade. Monthly.
Electronics Foreign Trade Five-Year Summary. Annual.

Radio Advertising Bureau, New York, NY
Radio Facts. Annual.

Communications—Con.

Other—Con.

Television Digest, Inc., Washington, DC
Cable Action Update. Weekly.
Cable and Station Coverage Atlas. Annual.
Television Action Update. Weekly.
Television and Cable Factbook. Annual.

United States Telephone Association, Washington, DC
Statistics of the Independent Telephone Industry. Annual.

Construction, Housing, and Real Estate—*see also* Money *and* Roads

U.S. Government

Board of Governors of the Federal Reserve System
Federal Reserve Bulletin. Monthly.

Bureau of Census
Census of Construction Industries. Quinquennial. (1982, most recent.)
Census of Housing. Decennial. (1980, most recent.)
Current Construction Reports: Housing Starts, C20 (monthly); New Residential Construction in Selected Metropolitan Statistical Areas, C21 (quarterly); Housing Completions, C22 (monthly); New One-Family Houses Sold and for Sale, C25 (monthly with annual report, Characteristics of New Housing); Price Index of New One-Family Houses Sold, C27 (quarterly); Value of New Construction Put in Place, C30 (monthly with occasional historical supplement); Housing Units Authorized by Building Permits, C40 (monthly and annual); Residential Alterations and Repairs, C50 (Quarterly and annual).
Current Housing Reports: Housing Vacancies, H-111 (quarterly and annual); Market Absorption of Apartments, H-130 (quarterly and annual); Characteristics of Apartments Completed, H-131 (annual); Annual Housing Survey, H-150 (series of six biennial reports); Annual Housing Survey—Housing Characteristics for Selected Metropolitan Areas, H-170.
Social Indicators, 1973; 1976; 1980.

Bureau of Economic Analysis
Business Conditions Digest. Monthly.
Business Statistics: 1984. 1985.
Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.
Handbook of Cyclical Indicators. 1984.
The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Digitized by Google

Construction, Housing, and Real Estate—Con.

U.S. Government—Con.

Bureau of Economic Analysis—Con.

New Structures and Equipment by Using Industries, 1972: Detailed Estimates and Methodology. 1980. (Staff Paper No. 35.)

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Current Wage Developments. Monthly.

Employment and Earnings. Monthly.

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No.1312-12.)

Injuries to Construction Laborers. 1986. (Bulletin No. 2252.)

Monthly Labor Review.

Occupational Employment in Mining, Construction, Finance, and Services. 1986. (Bulletin No. 2264.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Department of Housing and Urban Development

Statistical Yearbook. (Discontinued with 1979 edition.)

Survey of Mortgage Lending Activity. Monthly and quarterly press releases.

Energy Information Administration

Residential Energy Consumption Survey: Housing Characteristics. Triennial.

Federal Home Loan Bank Board

Annual Report.

Savings and Home Financing Source Book. Annual.

International Trade Administration

Construction Review. Bimonthly.

Veterans Administration

Loan Guaranty Highlights. Quarterly.

Other

Dodge, F.W., Division, McGraw-Hill Information Systems Co., New York, NY

Dodge Construction Potentials. Monthly.

NATIONAL ASSOCIATION OF REALTORS, Washington, DC

Existing Home Sales. Monthly.

Whitman, Requardt and Associates, Baltimore, MD

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

Consumer Income and Expenditures, and Personal Income—*see also* Agriculture; Economic Indexes; Investments; *and* National Income

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-60.)

Special Studies Reports. (Series on Special Studies, P-23.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Handbook of Cyclical Indicators. 1984.

Local Area Personal Income, 1979-84. Annual personal income by type of income and by major industries, and population, and per capita income, for States, counties, and metropolitan areas. Nine volumes. 1986.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Consumer Expenditure Survey: Interview Survey, 1984. 1986. (Bulletin No. 2267.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Internal Revenue Service

Statistics of Income. (Annual report on Individual Income Tax Returns.)

Statistics of Income Bulletin. Quarterly.

National Science Foundation

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Social Security Administration

Studies in Income Distribution. (A series of studies presenting information on the distribution of income, taxes, and transfer payments.) (November 1979, most recent.)

Trends since 1960 in the Economic Status of Aged Men and Women. (Research and Statistics Note No. 3. 1983.)

Digitized by Google

Consumer Income and Expenditures, and Personal Income—Con.

Other

American Financial Services Association, Washington, DC

AFSA Annual Research Report and Second Mortgage Lending Report on Finance Companies. Annual.

AFSA Annual Research Report and Second Mortgage Lending Report Supplements. Annual.

Finance Facts Yearbook. Annual.

Consumer Prices—*see* Commodity Prices.

Corporations—*see* Business; *and* Manufactures.

Correctional Institutions—*see* Law Enforcement.

Cost of Living—*see* Commodity Prices.

Courts—*see* Law Enforcement.

Crime—*see* Law Enforcement.

Crops—*see* Agriculture.

Deaths—*see* Vital Statistics.

Defense—*see* National Defense.

Divorce—*see* Vital Statistics.

Domestic Trade—*see* Retail and Wholesale Trade; *and* Service Establishments.

Economic Indexes—*see also* Agriculture; Business; Commodity Prices; *and* Manufactures

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Banks. Monthly review published by each Bank with special reference to its own Federal Reserve District.

Federal Reserve Bulletin. Monthly. (Also monthly releases on industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Economic Indexes—Con.

U.S. Government—Con.

National Science Foundation

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

A Comparative Analysis of Information on National Industrial R&D Expenditures. Special Report. (NSF 85-311.)

Federal Funds for Research and Development. Detailed Statistical Tables. Annual.

Federal R&D Funding by Budget Function. Report. Annual.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. Detailed Statistical Tables. Annual.

International Science and Technology Data Update. Report. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Research and Development in Industry. Detailed Statistical Tables. Annual.

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison With the United States. Special Report. (NSF 86-310.)

Other

Business Week. (Billboard Publications, Inc., New York, NY.) (Index of Business Activity.)

The Conference Board, New York, NY

The Conference Board Statistical Bulletin. Monthly.

National Bureau of Economic Research, Cambridge, MA

The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL.)

The U. S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Wealth, No. 47.) (University of Chicago Press, Chicago, IL.)

Education—*see also* Science Resources; *and* Vocational Rehabilitation

U.S. Government

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Characteristics, P-20; Spe-

Digitized by Google

Education—Con.

U.S. Government—Con.

Bureau of the Census—Con.

cial Studies, P-23; and Population Estimates, P-25.)

Finances of Public School Systems. Annual. (GF No. 10.)

Social Indicators, 1980.

Bureau of Labor Statistics

Educational Attainment of Workers, March 1982-83. 1984. (Bulletin No. 2191.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

How Workers Get Their Training. 1985. (Bulletin No. 2226.)

Labor Force Statistics Derived From the Current Population Survey: A Databook. 1982. (Bulletin No. 2096.)

Occupational Projections and Training Data. Biennial.

Students, Graduates, and Dropouts, October 1980-82. 1983. (Bulletin No. 2192.)

Center for Education Statistics

Associate Degrees and Other Formal Awards Below the Baccalaureate. Annual.

College and University Library Survey. (1985, most recent.)

The Condition of Education. Annual.

Digest of Education Statistics. Annual.

Earned Degrees Conferred. Annual.

Faculty Salaries, Tenure, and Benefits. Annual.

Fall Enrollment in Colleges and Universities. Annual.

National Longitudinal Study. Reports issued 1972-78 on high school seniors from class of 1972 and their transition to higher education and the labor force.

Participation in Adult Education. (1984, most recent.)

Projections of Education Statistics. Biennial.

Residence and Migration of College Students. (1984, most recent.)

Revenues and Expenditures for Public Elementary and Secondary Education. Annual.

Department of Education

Annual Report.

Inflation Measures for Schools and Colleges. September 1983.

Employment and Training Administration

Employment and Training Report of the President. Annual.

Education—Con.

U.S. Government—Con.

National Science Foundation

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables.Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

Resources Supporting Scientific and Engineering Activities at Historically Black Colleges and Universities. Special Report. (NSF 84-332.)

Science and Engineering Doctorates: 1960-85. Detailed Statistical Tables. Biennial.

Science and Engineering Personnel: A National Overview. Report. Biennial.

Science and Technology Data Book. Report. Annual.

Science Resources Studies Highlights. Frequent.

Academic R&D Expenditures Expected to Continue Substantial Growth Through FY 1986. (NSF 87-302.)

All Fields Share in 3% Growth in Academic Science/ Engineering Employment. (NSF 85-317.)

8% Real Growth Projected Annually for Academic R&D Expenditures Through 1986. (NSF 86-302.)

Federal Academic R&D Funds Continue Strong Growth Through 1985. (NSF 85-314.)

Foreign Students Fueled 2% Rise in 1985 Graduate Science and Engineering Enrollment. (NSF 87-306.)

Output of Science and Engineering Doctorates Stable in 1985, But Non-U.S. Citizens and Women Increase Their Shares of the Total. (NSF 86-308.)

Recent-Doctorate Faculty Increase in Engineering and Some Science Fields. (NSF 87-310.)

Science and Engineering (S/E) Graduates Find Increasing Opportunities for Employment in S/E Occupations. (NSF 85-324.)

Digitized by Google

Education—Con.

U.S. Government—Con.

National Science Foundation—Con.

Universities Report Research Equipment Shortages Are Most Severe in the Physical Sciences and Engineering. (NSF 85-320.)

Women and Minorities in Science and Engineering. Report. Biennial.

Office for Civil Rights

Racial, Ethnic and Sex Enrollment Data, From Institutions of Higher Education. Fall 1982. Biennial.

State and National Summaries of Data from the Fall 1982 Civil Rights Survey of Elementary and Secondary Schools. Biennial.

Other

American Council on Education, Washington, DC

A Fact Book on Higher Education. Quarterly.

National Norms for Entering College Freshmen. Annual.

Bowker (R.R.) Company, New York, NY

American Library Directory. Annual.

Book Publishing Annual. (1985, most recent.)

The Bowker Annual of Library and Book Trade Information.

College Entrance Examination Board, New York, NY

National Report on College-Bound Seniors. Annual.

National Catholic Educational Association, Washington, DC

Catholic Schools in America. Annual.

U.S. Catholic Schools. 1986-87.

National Education Association, Washington, DC

Estimates of School Statistics. Annual.

Rankings of the States. Annual.

Status of the American Public School Teacher, 1985-86. Quinquennial.

Research Associates of Washington, Washington, DC

Higher Education Prices and Price Indexes. Annual.

Higher Education Finances of Public Institutions.

Elections

U.S. Government

Bureau of the Census

Congressional District Data:

1980 Census of Population and Housing, PHC80-4, Congressional Districts of the 98th and 99th Congress

1980 Census of Population and Housing, PC80-SI-8, Congressional District Profiles, 98th Congress.

Current Population Reports. (Series P-20, Voting and Registration in the Election of November 19--. Biennial survey; P-23, No. 74, Registration and Voting in November 1976—Jurisdictions Covered by Voting Rights Act Amendments of 1975; and P-25, Projections of the Population of Voting Age for States: November 19--, Biennial projection.)

Commission on Civil Rights

The Voting Rights Act: Unfulfilled Goals. 1981.

Congress. Clerk of the House

Statistics of the Presidential and Congressional Election Years. Biennial.

Congress. Joint Committee on Printing

Congressional Directory. Biennial.

Other

The Council of State Governments, Lexington, KY

The Book of the States and its Supplement I, State Elective Officials and the Legislatures. Biennial.

State Legislative Leadership, Committees, and Staff. Biennial.

Elections Research Center, Washington, DC

America Votes. A handbook of contemporary American election statistics, compiled and edited by Richard M. Scammon and Alice V. McGillivray. Biennial.

Joint Center for Political Studies, Washington, DC

Black Elected Officials: A National Roster. 1986.

Michigan, The University of, Center for Political Studies, Institute for Social Research, Ann Arbor, MI

Who Voted and for Whom. Biennial.

Newspaper Enterprise Association, Inc., New York, NY

The World Almanac. Annual.

Electric Utilities—*see* Energy.

Emigration—*see* Immigration.

Digitized by Google

Employment—*see* Federal Government; Labor; *and* State and Local Government.

Energy—*see also* Communications; Manufactures; Minerals; *and* Transportation

U.S. Government

Bureau of the Census
- Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Bureau of the Census and Bureau of Mines
- Raw Materials in the United States Economy: 1900-1977. (Issued 1980. Working Paper No. 47.)

Bureau of Labor Statistics
- CPI Detailed Report. Monthly.
- Consumer Prices: Energy and Food. Monthly.
- Handbook of Labor Statistics. Periodic. (1985, most recent.)
- Monthly Labor Review.

Congress. Committee on Science and Astronautics
- Energy Facts II. 1975. (94th Congress.)

Department of the Interior
- Energy Perspectives. February 1975. June 1976.

Energy Information Administration
- Annual Energy Outlook.
- Annual Energy Review.
- Coal Distribution. Quarterly.
- Coal Production. Annual.
- Cost and Quality of Fuels for Electric Utility Plants. Annual.
- Electric Power Annual.
- Electric Power Monthly.
- Electric Power Quarterly.
- Energy Conservation Indicators. Annual.
- Financial Statistics of Selected Electric Utilities. Annual.
- Historical Plant Cost and Annual Production Expenses for Selected Electric Plants. 1985.
- Inventory of Power Plants in the United States. Annual.
- International Energy Annual.
- Monthly Energy Review.
- Natural Gas Annual.
- Natural Gas Monthly.
- Performance Profiles of Major Energy Producers. Annual.
- Petroleum Marketing Monthly.
- Petroleum Supply Annual.
- Petroleum Supply Monthly.
- Quarterly Coal Report.
- Residential Energy Consumption Survey: Consumption and Expenditures. Triennial.

Energy—Con.

U.S. Government—Con.

Energy Information Administration—Con.
- Residential Transportation Energy Consumption Survey. Triennial.
- Short-Term Energy Outlook. Quarterly.
- Solar Collector Manufacturing Activity. Annual.
- State Energy Data Report. Annual.
- State Energy Price and Expenditure Report. Annual.
- Statistics of Interstate Natural Gas Pipeline Companies. Annual.
- Typical Electric Bills. Annual.
- Uranium Industry Annual.
- U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves. Annual.
- Weekly Coal Production.

National Science Foundation
- Federal R&D Funding by Budget Function. Report. Annual.
- Federal R&D Funding for Energy: Fiscal Years 1971-84. Special Report. (NSF 83-301.)

Rural Electrification Administration
- Annual Statistical Report—Rural Electrification Borrowers.

Tennessee Valley Authority, Knoxville, TN.
- Annual Report.

Other

American Gas Association, Arlington, VA
- Gas Facts. Annual.
- Monthly Gas Utility Statistical Report.
- Quarterly Report of Gas Industry Operations.

American Petroleum Institute, Washington, DC
- The Basic Petroleum Data Book. Triennial.

Atomic Industrial Forum, Bethesda, MD
- Historical Profile of U.S. Nuclear Power Development.
- Nuclear Power Information: Key Issues.
- Uranium: 1983.

The Center for Strategic and International Studies, Washington, DC
- Bioenergy and Economic Development: Planning for Biomass Energy Programs in the Third World. 1985.
- Forecasting U.S. Electricity Demand: Trends and Methodologies. 1985.
- Global Security: A Review of Strategic and International Issues. 1987.
- International Security Yearbook, 1984/85. 1985.

Digitized by Google

Energy—Con.

Other—Con.

The Center for Strategic and International Studies, Washington, DC—Con.

National Security and Strategic Minerals. 1985.

The Planetary Product in 1982. (World Economic Output, 1970-1982.) 1983.

Small Nuclear Forces and U.S. Security Policy. 1984.

The Strategic Consequences of the Oil Price Collapse. 1987.

The Strategic Dimension of Military Manpower. 1987.

U.S. Maritime Industries: Down for the Third Time? 1987.

The United States and The World Economy. 1985.

Edison Electric Institute, Washington, DC

Electric Power Annual Report.

Statistical Yearbook of the Electric Utility Industry. Annual.

McGraw-Hill Publications Co., New York, NY

Electrical World Directory of Electric Utilities. Annual.

National Coal Association, Washington, DC

Steam-Electric Plant Factors. Annual.

Carl H. Pforzheimer & Co., New York, NY

Comparative Oil Company Statistics, 1986-1985.

Whitman, Requardt and Associates, Baltimore, MD

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

The Handy-Whitman Index of Water Utility Construction Costs. Semiannual.

Environment

U.S. Government

Bureau of the Census

Current Industrial Report, series MA-200.

Council on Environmental Quality

Environmental Quality. Annual.

Environmental Statistics. 1978.

Environmental Trends. 1981.

Environmental Protection Agency

Air Quality Data. Annual.

Cost of Clean Water. Annual.

Federal Certification Test Results for Motor Vehicles. Annual.

Municipal Water Facilities Inventory. Quinquennial.

National Air Pollutant Emission Estimates, 1940-80.

Environment—Con.

U.S. Government—Con.

Environmental Protection Agency—Con.

Needs Survey, Conveyance and Treatment of Municipal Wastewater Summaries of Technical Data. Biennial.

Pesticides Monitoring Journal. Quarterly.

Radiation Data and Reports. Monthly.

Sewage Facility Construction. Annual.

Summary of Water Enforcement Actions Pursued by EPA since December 3, 1970. (Updated continuously.)

Geological Survey

Estimated Use of Water in the United States in 1980. 1983. (Circular 1001.)

A Statistical Summary of Data from the U. S. Geological Survey's National Water Quality Networks. (Open-File Report 83-533.)

Other

The Conservation Foundation, Washington, DC

The Coastal Almanac, by Paul L. Ringold and John Clark. 1980.

State of the Environment. 1982.

Executions—*see* Law Enforcement.

Exports—*see* Foreign Commerce.

Family Characteristics—*see* Population.

Farms and Farm Characteristics—*see* Agriculture.

Federal Government Finances and Employment—*see also* Elections; Science Resources; *and* State and Local Government

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Federal Expenditures by State for Fiscal Year. Annual.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Handbook of Cyclical Indicators. 1984.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Council on Environmental Quality

Environmental Quality. Annual.

Digitized by Google

ederal Government Finances and Employment—Con.

U.S. Government—Con.

Department of Labor
Annual Report of the Secretary.

Department of the Treasury
Consolidated Financial Statements of the United States Government. (Prototype.)
Daily Treasury Statement.
Monthly Statement of the Public Debt of the United States.
Monthly Treasury Statement of Receipts and Outlays of the United States Government.
Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances Through 1980.
Treasury Bulletin. Monthly through 1982; beginning 1983, quarterly.
United States Government Annual Report and Appendix.

Internal Revenue Service
Annual Report of the Commissioner and Chief Counsel.
Statistics of Income. (Annual report on Corporation Income Tax Returns.)
Statistics of Income Bulletin. Quarterly.

National Science Foundation
Federal Funds for Research and Development. (Includes geographic distribution and funding by function.) Detailed Statistical Tables. Annual.
Federal R&D Funding by Budget Function. Report. Annual.
Federal Scientists and Engineers. Detailed Statistical Tables. Annual.
Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.
International Science and Technology Data Update. Report. Annual.
National Patterns of Science and Technology Resources. Report. Annual.
1990 R&D Funding Projections. Special Report. (NSF 82-315.)
Science and Technology Data Book. Report. Annual.
Science Indicators. Report. Biennial.

Office of Management and Budget
The Budget of the United States Government. Published annually in a group of five documents:
The Budget of the United States Government.
The Budget of the United States Government, Appendix.
The Budget of the United States Government, Special Analyses.

Federal Government Finances and Employment—Con.

U.S. Government—Con.

Office of Management and Budget—Con.
Historical Tables, Budget of the United States Government.
The United States Budget in Brief.

Office of Personnel Management
Affirmative Employment Statistics. Biennial.
Compensation Report. Annual.
Monthly Release of Federal Civilian Workforce Statistics.
Occupations of Federal White-Collar and Blue-Collar Workers. Biennial.
Pay Structure of the Federal Civil Service. Annual.
Work Years and Personnel Costs. Annual.

Other

Advisory Commission on Intergovernmental Relations, Washington, DC
A Catalog of Federal Grant-in-Aid Programs to State and Local Governments, FY 87. 1987.
Changing Public Attitudes on Governments and Taxes. Annual.
Fiscal Discipline in the Federal System: National Reform and the Experience of the States. 1987.
Government Finance Data Diskettes. Various series. Annual.
Significant Features of Fiscal Federalism. Annual.
Strengthening the Federal Revenue System: Implications for State and Local Taxing and Borrowing. 1984.

Moody's Investors Service, New York, NY
Moody's Municipal and Government Manual. Annual with semiweekly supplements.

National Bureau of Economic Research, Cambridge, MA
The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL.)

Tax Foundation, Inc., Washington, DC
Facts and Figures on Government Finance. Annual.

Finance—*see* Federal Government; Investments; Money; *and* State and Local Government.

Digitized by Google

Fisheries

U.S. Government

National Oceanic and Atmospheric Administration, National Marine Fisheries Service

Fisheries of the United States. Annual.

Fishery Statistics of the United States. (Statistical Digest.) Annual.

Marine Recreational Fishery Statistical Survey, Atlantic and Gulf Coasts. Annual.

Marine Recreational Fishery Statistical Survey, Pacific Coast. Annual.

Food—*see also* Agriculture

U.S. Government

Bureau of the Census

Canned Food Report. (Issued five times a year.) (Last report, July 1981.)

Bureau of Labor Statistics

Consumer Expenditure Survey: Interview Survey, 1984. 1986. (Bulletin No. 2267.)

Consumer Prices: Energy and Food. Monthly.

CPI Detailed Report. Monthly.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Producer Price Indexes. Monthly, with annual supplement.

Department of Agriculture

Agricultural Outlook. 11 issues.

Food Consumption, Prices, and Expenditures, 1965/85. (Statistical Bulletin No. 749.) Revised annually.

Food Cost Review. 1986. (Agricultural Economic Report No. 574.) Revised annually.

National Food Review. Quarterly.

Department of Agriculture, Food and Nutrition Service

Annual Statistical Review:

Food and Nutrition Service Programs.

Food Program Update. Monthly.

Department of Agriculture, Science and Education Administration.

Family Economics Review. Quarterly.

Other

American Frozen Food Institute, Burlingame, CA

Frozen Food Pack Statistics. Annual.

National Food Processors Association, Washington, DC

Canned Fruit and Vegetable Statistics Reports. Annual.

Foreign Commerce—*see also* Economic In dexes; *and* International Accounts and A

U.S. Government

Army, Corps of Engineers

Waterborne Commerce of the United States (in five parts). Annual.

Bureau of the Census

Highlights of U.S. Export and Impor Trade. Monthly; includes cumulative data. (FT 990.)

Summary of U.S Export and Import Merchandise Trade. Monthly; includes cumulative data. (FT 900.)

Survey of the Origin of Exports of Manufacturing Establishments. Triennial. (Current Industrial Reports M76(AS)-8.)

U.S. Airborne Exports and General Imports. Monthly and annual. (FT 986.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES 2.)

U.S. Exports of Domestic Merchandise, SIC-Based Products by World Areas. Annual. (FT 610.)

U.S. Exports, Schedule B Commodity by Country. Annual. (FT 446.)

U.S. Exports, Schedule E Commodity by Country. Monthly; includes cumulative data. (FT 410.)

U.S. Exports, Schedule E Commodity Groupings by World Area and Country. Annual. (FT 450.)

U.S. Exports, World Area and Country by Schedule E Commodity Groupings. Annual. (FT 455.)

U.S. General Imports and Imports for Consumption, Schedule A Commodity by Country. Monthly; includes cumulative data. (FT 135.)

U.S. General Imports, Schedule A Commodity Groupings by World Area and Country. Annual. (FT 150.)

U.S. General Imports, World Area by Schedule A Commodity Groupings. Annual. (FT 155.)

U.S. Imports, SIC-Based Products. Annual. (FT 210.)

U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin. Annual. (FT 246.)

U.S. Trade with Puerto Rico and U.S. Possessions. Monthly and Annual. (FT 800.)

U.S. Waterborne Exports and General Imports. Monthly and Annual. (FT 985.)

Bureau of Economic Analysis

Business Statistics: 1984. 1985.

Survey of Current Business. Monthly. (June issue contains detailed data on merchandise trade.)

Digitized by Google

reign Commerce—Con.

U.S. Government—Con.

Bureau of Economic Analysis—Con.

U.S. Merchandise Trade: Exports and Imports, 1965-76, Classified by BEA End-Use Commodity Categories. 1978.

Bureau of International Commerce

Overseas Business Reports. Annual.

Department of Agriculture

Foreign Agricultural Trade of the United States (FATUS). Bimonthly with annual supplements on calendar year and fiscal year trade statistics.

U.S. Foreign Agricultural Trade Statistical Report. Calendar year. A supplement to FATUS. Annual.

U.S. Foreign Agricultural Trade Statistical Report. Fiscal year. A supplement to FATUS. Annual.

World Indices of Agricultural and Food Production. Annual.

Department of Commerce

Commerce America. Biweekly. (Issues in March, June, September, and December contain quarterly data on U.S. share of world exports of manufactures.)

Export Administration Report, East-West Trade: Quarterly Report to the President, Senate, and House of Representatives.

Department of the Treasury

Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances through 1980.

Energy Information Administration

Annual Energy Review

Monthly Energy Review.

International Trade Administration

Market Share Reports. Annual.

Overseas Business Reports. Irregular.

U.S. Trade Performance and Outlook. Annual.

International Trade Commission

Annual Report.

Maritime Administration

Annual Report.

Containerized Cargo Statistics. Annual.

United States Oceanborne Foreign Trade Routes. Annual.

National Science Foundation

Comparison of Scientific and Technical Personnel Trends in the United States, France, West Germany, and the United Kingdom Since 1970. Special Report. (NSF 84-335.)

Foreign Commerce—Con.

U.S. Government—Con.

National Science Foundation—Con.

International Science and Technology Data Update. Report. Annual.

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison with the United States. Special Report. (NSF 86-310.)

Other

Aerospace Industries Association of America, Washington, DC

Exports of Aerospace Products. Quarterly.

Imports of Aerospace Products. Quarterly.

Commodity Research Bureau, New York, NY

Commodity Yearbook. Annual.

Forests and Lumber—*see also* Economic Indexes

U.S. Government

Bureau of the Census

Census of Manufactures. Quinquennial. (1982, most recent.)

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Bureau of Labor Statistics

Injuries in the Logging Industry. 1984. (Bulletin No. 2203.)

Department of Agriculture

Agricultural Statistics. Annual.

Forest Service

An Analysis of the Timber Situation in the United States, 1952-2030. Appendix 3.

Land Areas of the National Forest System. Annual.

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-86. Annual.

Wildfire Statistics. Annual.

International Trade Administration

Construction Review. Bimonthly.

Other

American Paper Institute, Inc., New York, NY

Statistics of Paper, Paperboard, and Wood Pulp. Annual.

Wood Pulp and Fiber Statistics. Annual.

Digitized by Google

Forests and Lumber—Con.

Other—Con.

National Forest Products Association, Washington, DC

Economics. Monthly.

Gas Utilities—*see* Energy.

Geography—*see also* Environment *and* Public Lands

U.S. Government

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

United States Maps, Series GE-50 and GE-70—Statistical maps.

Urbanized Areas, 1980. (PC 80-S1-14, and PC80-S1-18 (MSAs).)

Geological Survey

Catalog of Information on Water Data. 1981.

Elevations and Distances in the United States. 1980.

Estimated Use of Water in the United States in 1980. 1983. (Circular 1001.)

A Land Use and Land Cover Classification System for Use with Remote Sensor Data. Reprinted, 1978. (Geological Survey Professional Paper 964.)

National Gazetteer of the United States. 1984. (Issued by State.) (Geological Survey Professional Paper 1200.)

State Hydrologic Unit Maps. (Open-File Report 84-708.) 1984.

Government—*see* Federal Government; *and* State and Local Government.

Guam—*see* Outlying Areas.

Health Insurance—*see* Insurance.

Health and Medical Care—*see also* Accidents; Environment; Food; Insurance; Social Insurance; *and* Vital Statistics

U.S. Government

Bureau of the Census

Social Indicators, 1973; 1976; 1980.

Bureau of Labor Statistics

CPI Detailed Report. Monthly.

Employee Benefits in Medium and Large Firms. Annual.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Centers for Disease Control

Morbidity and Mortality Weekly Report. (HHS Pub. No. CDC 87-8017.)

Health and Medical Care—Con.

U.S. Government—Con.

Department of Agriculture, Food and Nutrition Service

Annual Statistical Review:

Food and Nutrition Service Programs.

Food Program Update. Monthly.

Department of Health and Human Services

Annual Report.

Cancer Incidence and Mortality in the United States, 1973-81. Revised November 1984.

Drug Enforcement Administration

Drug Abuse and Law Enforcement Statistics. Irregular.

Health Care Financing Administration

Annual Medicare Program Statistics. Annual.

Health Care Financing Program Statistics. Medicare and Medicaid data. Annual.

Health Care Financing Research Reports. Occasional.

Health Care Financing Review. Quarterly publication focusing on research, demonstrations, and statistics.

National Center for Health Statistics

Current Estimates from the Health Interview Survey. Annual.

Health: United States. Annual. (DHHS Pub. No. PHS 86-1232.)

Vital and Health Statistics. (A series of statistical reports covering health-related topics.)

Series 10: Health Interview Survey Statistics. Irregular.

Series 11: Health and Nutrition Examination Survey Statistics. Irregular.

Series 13: Health Resources Utilization Statistics. Irregular.

Series 14: Health Resources: Manpower and Facilities Statistics. Irregular.

National Institute on Drug Abuse

Drug Abuse Warning Network. 1983.

High School Senior Survey. 1975-1984.

National Drug and Alcoholism Treatment Utilization Survey. 1982.

National Survey on Drug Abuse. 1977. 1979. 1982.

Social Security Administration

Social Security Bulletin. Monthly with annual statistical supplement. Data on the health insurance benefits program and on medical care of public assistance recipients.

Digitized by Google

Health and Medical Care—Con.

U.S. Government—Con.

Veterans Administration
Annual Report of Administrator of Veterans Affairs.

Other

American Dental Association, Chicago, IL
Dental Statistics Handbook. Triennial.
Dental Students' Register. Annual.
Distribution of Dentists in the United States by Region and State. Triennial.
Survey of Dental Practice. Annual.

American Hospital Association, Chicago, IL
Hospital Statistics. Annual.

American Medical Association, Chicago, IL
Physician Characteristics and Distribution in the U.S. Annual.
Reference Data on the Profile of Medical Practice. Annual.
U.S. Medical Licensure Statistics, and License Requirements. Annual.

American Nurses Association, Kansas City, MO
Facts About Nursing: A Statistical Summary. Annual.
The Nation's Nurses: Inventory of Registered Nurses 1977-1978.

American Osteopathic Association, Chicago, IL
Yearbook and Directory of Osteopathic Physicians. Annual.

Firing & Associates, San Francisco, CA
The Physically Impaired Population of the United States. 1978.

Medical Economics, Oradell, NJ
Physicians' Earnings and Expenses. Published annually in Medical Economics magazine.

Metropolitan Life Insurance Company, New York, NY
Health and Safety Education.
Statistical Bulletin. Quarterly.

Rutgers Center of Alcohol Studies, Journal of Studies on Alcohol, Inc., New Brunswick, NJ
Statistics on Consumption of Alcohol and on Alcoholism, by M. Keller and C. Gurioli. 1976.

Hospitals—*see* Health.

Hotels—*see* Service Establishments.

Household Appliances—*see* Construction, Housing, and Real Estate.

Housing—*see* Construction.

Immigration and Naturalization

U.S. Government

Department of State, Bureau of Consular Affairs
Report of the Visa Office. Annual. (Dept. of State Pub. 8810.)

Department of Transportation
Report of Passenger Travel Between the United States and Foreign Countries. Annual, semiannual, quarterly, monthly.

Immigration and Naturalization Service
I&N Reporter. Quarterly.
Statistical Yearbook. Annual.

National Science Foundation
Immigrant Scientists and Engineers. Detailed Statistical Tables. Annual.
Output of Science and Engineering Doctorates Stable in 1985, But Non-U.S. Citizens and Women Increase Their Shares of the Total. Science Resources Studies Highlights. (NSF 86-308.)

Imports—*see* Foreign Commerce.

Income—*see* Consumer Income; *and* National Income.

Industry—*see* Business; Economic Indexes; *and* Manufactures.

Institutions—*see* Education; Health; *and* Law Enforcement.

Insurance—*see also* Social Insurance

U.S. Government

Veterans Administration
Annual Report of Administrator of Veterans Affairs.
Government Life Insurance Programs for Veterans and Members of the Service. Annual.

Other

American Council of Life Insurance, Washington, DC
Life Insurance Fact Book. Annual.

Best (Alfred M.) Co., New York, NY
Best's insurance publications. Monthly and annual publications on life, fire, and casualty companies.

Health Insurance Association of America, Washington, DC
Source Book of Health Insurance Data. Annual (odd years.) Update (even years.)

Insurance Information Institute, New York, NY
Insurance Facts. Yearbook.

Digitized by Google

Insurance—Con.

Other—Con.

The National Underwriter Co., Cincinnati, OH

Argus Chart. Health insurance company financial data. Annual.

Argus F.C. & S. Chart. Property and liability insurance company financial data. Annual.

Life Rates and Data. Premiums, values, dividends, and contract analysis by company. Annual.

Life Reports. Life company financial data. Annual.

Timesaver. Health insurance costs and contract analysis by company. Annual.

International Accounts and Aid

U.S. Government

Agency for International Development

U.S. Overseas Loans and Grants and Assistance From International Organizations. Annual.

Arms Control and Disarmament Agency

World Military Expenditures and Arms Transfers. Annual.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Economic Analysis

Business Statistics: 1984. 1985.

Selected Data on Foreign Direct Investment in the United States, 1950-79. 1985.

Survey of Current Business. Monthly. (March, June, September, and December issues contain data on U.S. international transactions. Articles on the net U.S. investment position abroad, direct investments, travel, and other topics appear periodically in other issues.)

U.S. Merchandise Trade: Exports and Imports, 1965-76, Classified by BEA End-Use Commodity Categories. 1978.

Department of Defense

Foreign Military Sales and Military Assistance Facts. Annual.

Department of State

United States Contribution to International Organizations. Issued in the House Documents series. Annual.

Department of the Treasury

Active Foreign Credits of the United States Government. Quarterly.

Treasury Bulletin. Monthly through 1982; beginning 1983, quarterly.

International Accounts and Aid—Con.

U.S. Government—Con.

Export-Import Bank of the United States

Annual Report.

Report to the U.S. Congress on Export Credit Competition and the Export-Import Bank of the United States. Annual.

National Advisory Council on International Monetary and Financial Policies

Annual Report to the President and to the Congress.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Other

International Bank for Reconstruction and Development, Washington, DC

Annual Report.

World Bank Atlas. 1987.

World Debt Tables. 1986-87.

World Development Report. 1987.

World Tables: The Third Edition.

International Monetary Fund, Washington, DC

Annual Report.

Balance of Payments Statistics. Monthly with annual yearbook.

Direction of Trade Statistics. Monthly with annual yearbook.

Government Finance Statistics Yearbook.

International Financial Statistics. Monthly with annual yearbook.

International Statistics—*see also* International Accounts

U.S. Government

Bureau of the Census

A Compilation of Age-Specific Fertility Rates for Developing Countries. International Research Document No. 7.

Country Demographic Profiles. (Series ISP-30.)

International Population Reports. Irregular. (Series P-91.)

Social Indicators, 1980.

World Population Profile: 1985 (most recent).

Bureau of Labor Statistics

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Digitized by Google

International Statistics—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

International Comparisons of Manufacturing Productivity and Labor Cost Trends. Annual.

U.S. Department of State Indexes of Living Costs Abroad, Quarters Allowances, and Hardship Differentials. Quarterly.

Energy Information Administration

International Energy Annual.

Internal Revenue Service

Statistics of Income

International Income and Taxes, Foreign Income and Taxes Reported on Individual Income Tax Returns, 1972-1978.

International Income and Taxes, U.S. Corporations and Their Controlled Foreign Corporations, 1974-1978.

Studies of International Income and Taxes.

National Science Foundation

Comparison of Scientific and Technical Personnel Trends in the United States, France, West Germany, and the United Kingdom Since 1970. Special Report. (NSF 84-335.)

International Science and Technology Data Update. Report. Annual.

Science and Technology Data Book. Report. Annual.

The Science and Technology Resources of West Germany: A Comparison with the United States. Special Report. (NSF 86-310.)

Other

The Economist Newspaper Ltd., London, England

The Economist Diary. 1987.

World Business Cycles. 1982.

The World in Figures. 1984.

Euromonitor Publications Ltd., London, England

European Marketing Data and Statistics. Annual.

International Marketing Data and Statistics. Annual.

Food and Agriculture Organization of the United Nations, Rome, Italy

Production Yearbook.

Trade Yearbook.

Yearbook of Fishery Statistics.

Yearbook of Forest Products.

International Statistics—Con.

Other—Con.

Inter-American Development Bank, Washington, DC

Annual Report.

Economic and Social Progress in Latin America. Annual Survey.

The International Institute for Strategic Studies, London, England

The Military Balance. Annual.

International Labour Office, Geneva, Switzerland

Economically Active Population: Estimates and Projections 1950-2025, Vols. 1-6. 3rd Edition. 1986.

Yearbook of Labour Statistics.

International Monetary Fund, Washington, DC

International Financial Statistics. Monthly with annual yearbook.

Jane's Publishing Co., Ltd., London, England

Jane's Airport Equipment. Annual.

Jane's All the World's Aircraft. Annual.

Jane's Armour and Artillery. Annual.

Jane's Avionics. Annual.

Jane's Fighting Ships. Annual.

Jane's Infantry Weapons. Annual.

Jane's Merchant Ships. Annual.

Jane's Military Communications. Annual.

Jane's Military Vehicles and Ground Support Equipment. Annual.

Jane's Surface Skimmers. Annual.

Jane's Urban Transport Systems. Annual.

Jane's Weapon Systems. Annual.

Jane's World Railways. Annual.

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI

World Motor Vehicle Data. Annual.

Organization for Economic Cooperation and Development, Paris, France

Annual Oil and Gas Statistics.

Annual Oil Market Report.

Balance of Payments of OECD Countries, 1960-1977. 1979.

Coal Information. Annual.

Demographic Trends 1950-1990.

Energy Balances of Developing Countries.

Energy Balances of OECD Countries. Annual.

Energy Prices and Taxes. Quarterly.

Energy Statistics. Annual.

Financial Market Trends.

Digitized by Google

International Statistics—Con.

Other—Con.

Organization for Economic Cooperation and Development, Paris, France—Con.

Financing and Delivering Health Care, 1987.
Food Consumption Statistics. Irregular.
Geographical Distribution of Financial Flows to Developing Countries.
Historical Statistics of Foreign Trade Series A. Annual.
Indicators of Industrial Activity. Quarterly.
Industrial Structure Statistics. Annual.
The Iron and Steel Industry. Annual.
Labour Force Statistics. Annual.
Latest Information on National Accounts of Developing Countries. Annual.
Living Conditions in OECD Countries.
Main Economic Indicators. Monthly.
Maritime Transport. Annual.
Measuring Health Care, 1960-1983.
Meat Balances in OECD Countries. Annual.
Milk and Milk Products Balances in OECD Countries. Annual.
Mortality in Developing Countries Data-Bank. 3 Tomes.
National Accounts of OECD Countries. Annual.
Vol. I: Main Aggregates.
Vol. II: Detailed Tables.
OECD Economic Outlook. Bi-annual and Historical Statistics. Annual.
OECD Economic Studies. Annual for member countries.
OECD Employment Outlook. Annual.
OECD Environmental Data-Compendium 1987.
OECD Financial Statistics. Annual (3 vols.) and monthly supplements.
OECD Microtables covering Series B (Reporting Countries) and Series C (Commodities.) Annual from 1977.
OECD Science and Technology Indicators.
The Pulp and Paper Industry. Annual.
Purchasing Power Parities and Real Expenditure in the OECD.
Quarterly Labor Force Statistics.
Quarterly National Accounts.
Quarterly Oil and Gas Statistics.
Revenue Statistics of OECD Member Countries. Annual.
Review of Fisheries in OECD Member Countries. Annual.
Social Expenditure, 1960-1990.
Statistics of Area Production and Field of Crop Products in OECD Member Countries.

International Statistics—Con.

Other—Con.

Organization for Economic Cooperation and Development, Paris, France—Con.

Statistics of Foreign Trade:
Series A. Statistics of Foreign Trade. Monthly.
Series C. Foreign Trade by Commodities. Annual.
Tourism Policy and International Tourism in OECD Member Countries. Annual.
Transport Statistical Series (ECMT).
Uranium Resources Production and Demand. Biennial.
World Steel Trade Developments, 1960-1983.

United Nations Educational, Scientific and Cultural Organization, Paris, France
Statistical Yearbook.

United Nations Population Division, New York, NY
World Population Prospects as Assessed in 1984. (ST/ESA/SER.A/98.)

United Nations Statistical Office, New York, NY
Demographic Yearbook 1983. (Sales No. E/F. 84. XIII. 1.)
Energy Statistics Yearbook.
Monthly Bulletin of Statistics.
1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.
Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.
Statistical Yearbook.
World Energy Supplies, Supplement, 1974-79. 1981.
World Population Trends and Policies—
1981 Monitoring Policies, Vol. I Population Trends. 1982.
1981 Monitoring Policies, Vol. II Population Trends. 1982.
Yearbook of Construction Statistics.
Yearbook of International Trade Statistics.
Yearbook of National Accounts Statistics.

World Health Organization, Geneva, Switzerland
World Health Statistics. Quarterly and annual.

International Trade—*see* Foreign Commerce; *and* International Statistics.

Digitized by Google

nvestments and Securities—*see also* Business; Construction; Insurance; International Accounts; *and* Money

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Commodity Futures Trading Commission

Annual Report.

Commitments of Traders in Commodity Futures. Monthly.

Securities and Exchange Commission

Annual Report.

Directory of Companies Required to File Annual Reports with the Securities and Exchange Commission— Under the Securities and Exchange Act of 1934. Annually.

Securities Traded on Exchanges Under the Securities Exchange Act. Annual with quarterly supplements.

Statistical Review. Monthly.

Stock Trading Statistics. Monthly.

Other

Commercial and Financial Chronicle. (William B. Dana Co., New York, NY.) Semi-weekly.

Investment Company Institute, Washington, DC

Mutual Fund Fact Book. Annual.

Moody's Investors Service, New York, NY

Moody's Manuals. (Volumes on Industrials, OTC, Banks and Finance, International, Municipals and Governments, Transportation, and Public Utilities.) Annual with semi-weekly supplements.

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL.)

New York Stock Exchange, Inc., New York, NY

Fact Book. Annual.

Shareownership, 1975, 1980, 1981, 1983, and 1985.

Securities Industry Association, New York, NY

Municipal Market Developments. Monthly.

Standard and Poor's Corporation, New York, NY

Analyst's Handbook. Annual with monthly cumulative supplements.

Corporation Records. Six basic volumes; News Supplements, daily; Dividend

Investments and Securities—Con.

Other—Con.

Standard and Poor's Corporation, New York, NY—Con.

Record, daily, and cumulative monthly and annual.

Daily Stock Price Records. Quarterly.

Security Owner's Stock Guide. Monthly.

Statistical Service. (Security Price Index Record; business and financial basic statistics with monthly supplement.)

Wall Street Journal. (Dow Jones & Co., New York, NY.) Daily except Saturdays, Sundays, and holidays.

Irrigation, Drainage, and Soil Conservation—*see* Agriculture

Juvenile Court—*see* Law Enforcement.

Labor—*see also* Accidents; Business; Economic Indexes; International Statistics; Science Resources; *and* Social Insurance

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

County Business Patterns. Annual.

Current Governments Reports: Public Employment, GE No. 1 (annual); City Employment, GE No. 2 (annual); Local Government Employment in Selected Metropolitan Areas and Large Counties, GE No. 3 (annual); County Government Employment, GE No. 4 (annual).

Labor Force Status and Other Characteristics of Persons With a Work Disability: 1982. (Current Population Reports, Special Studies, Series P-23, No. 127.)

Population Profile of the United States. (Annual—Series P-23.)

Social Indicators, 1980.

Women in the American Economy. (Current Population Reports, Special Studies, Series P-23, No. 146.)

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration) and Bureau of the Census

Expenditure and Employment Data for the Criminal Justice System. Annual through 1978.

Justice Expenditure and Employment in the U.S. Annual from 1979.

Digitized by Google

Labor—Con.

U.S. Government—Con.

Bureau of Labor Statistics

Area Wage Surveys: Selected Metropolitan Areas. Annual.

Bargaining Calendar. Annual.

Current Wage Developments. Monthly.

Employee Benefits in Medium and Large Firms. Annual.

Employment and Earnings. Monthly with annual supplement.

Employment and Earnings Characteristics of Families. Quarterly.

Employment and Wages. Annual.

Employment Cost Index. Quarterly.

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No. 1312-12.)

Employment in Perspective: Minority Workers. Quarterly.

Employment in Perspective: Women in the Labor Force. Quarterly.

Employment Projections for 1995: Data and Methods. 1986. (Bulletin No. 2253.)

The Employment Situation. Monthly.

Geographic Profile of Employment and Unemployment. Annual.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

How Workers Get Their Training. 1985. (Bulletin No. 2226.)

Industry Wage Surveys. (Separate bulletins for selected industries; each industry on a 3- to 5-year cycle.)

Labor Force Statistics Derived from the Current Population Survey: A Databook. 1982. (Bulletin No. 2096.) Supplement. 1984. (Bulletin No. 2096-1.)

Linking Employment Problems to Economic Status. Annual.

Major Collective Bargaining Settlements. Quarterly.

Major Work Stoppages. Annual.

Monthly Labor Review.

National Survey of Professional, Administrative, Technical, and Clerical Pay. Annual.

Occupational Employment in Manufacturing Industries. 1985. (Bulletin No. 2248.)

Occupational Employment in Mining, Construction, Finance, and Services. 1984. (Bulletin No. 2186.)

Occupational Employment in Transportation, Communications, Utilities, and Trade. 1984. (Bulletin No. 2220.)

Occupational Injuries and Illnesses in the United States, by Industry. Annual.

Occupational Projections and Training Data. Biennial.

Labor—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

Real Earnings. Monthly.

State and Metropolitan Area Employment and Unemployment. Monthly.

Weekly Earnings of Wage and Salary Workers. Quarterly.

Work Experience of the Population in 1981-82. 1984. (Bulletin No. 2199.)

Department of Agriculture

Farm Labor. Quarterly.

Department of Labor

Annual Report of the Secretary.

Employment and Training Administration

Area Trends in Employment and Unemployment. Monthly.

Employment and Training Report of the President. Annual.

Employment and Wages of Workers. Quarterly.

Employment and Wages of Workers Covered by Unemployment Insurance Programs. Quarterly.

Employment Service Statistics. Monthly.

Farm Labor Developments. Employment and Wage Supplement. Monthly.

Unemployment Insurance Claims. Weekly.

Interstate Commerce Commission

Monthly Report of Class I Employees, by Group.

Wage Statistics of Class I Railroads in the United States. Annual. (Statement No. 300.)

Maritime Administration

Employment Report of United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over. Annual. (Monthly and quarterly data available from source.)

Seafaring Wage Rates. Biennial.

National Science Foundation

U.S. Scientists and Engineers: 1984 Detailed Statistical Tables.

Office of Personnel Management

Affirmative Employment Statistics. Biennial.

Occupations of Federal White-Collar and Blue-Collar Workers. Biennial.

Women's Bureau

Handbook on Women Workers. Periodic.

Digitized by Google

abor—Con.

Other

Aerospace Industries Association of America, Washington, DC

Employment in the Aerospace Industry. Monthly.

Survey of Aerospace Employment. Annual.

The Bureau of National Affairs, Inc., Washington, DC

The Employment Outlook. Quarterly.

Job Absence and Turnover. Quarterly.

Wages and Benefits. Quarterly.

aw Enforcement, Courts, and Prisons

U.S. Government

Administrative Office of the United States Courts

Annual Report of the Director ... with, as issued, Reports of the Proceedings of the Judicial Conference of the United States. Includes statistics on Federal Courts.

Calendar Year Reports on Authorized Wiretaps. (State and Federal.)

Calendar Year Reports on the Right to Financial Privacy Act of 1978.

Federal Court Management Statistics. Annual.

Federal Offenders in U.S. District Courts. Annual.

Grand and Petit Juror Service in U.S. District Courts. Annual.

Judicial Workload Statistics. Quarterly.

Bureau of the Census

Census of Population. Decennial. (1980, most recent.)

Social Indicators, 1973; 1976; 1980.

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration)

American Response to Crime: An Overview of Criminal Justice Systems. December 1983.

Bank Robbery: Federal Offenses and Offenders. August 1984.

Bibliography on Crime Forecasting and Related Topics. January 1984.

Case Filing in State Courts, 1983. October 1984.

Capital Punishment. Annual.

Census of Jails, 1978. Data for Individual Jails, vols. I-IV. December 1981.

Census of Jails and Survey of Jail Inmates, 1978. February 1979.

Characteristics of the Parole Population, 1978. December 1980.

Law Enforcement, Courts, and Prisons—Con.

U.S. Government—Con.

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration)—Con.

Children in Custody: Advance Report on the 1979 Census of Private Facilities. April 1981.

Children in Custody: Public Juvenile Facilities, 1986. October 1986.

Crime Control and Criminal Records. July 1985.

Crime and the Elderly. November 1981.

Crime Prevention Measures. March 1986.

Crime of Rape. March 1985.

Criminal Defense Systems: A National Survey. August 1984.

Criminal Justice Agencies in the United States. Periodic.

Criminal Victimization. Annual.

Criminal Victimization in the United States. Trends. Annual.

Death-row Prisoners. July 1981.

Economic Cost of Crime to Victims. April 1984.

Electronic Fund Transfer Fraud: Computer Crime. April 1986.

Examining Recidivism. February 1986.

Expenditure and Employment Data for the Criminal Justice System. Annual.

Family Violence. April 1984.

Federal Drug Law Violators. February 1984.

Federal Justice Statistics. March 1982.

Growth of Appeals: 1973-83 Trends. February 1985.

Habeas Corpus. March 1984.

Household Burglary. January 1986.

Households Touched by Crime. 1985.

Intelligence and Investigative Records: Criminal Justice Information Policy Series: April 1985.

Jail Inmates, 1984. May 1986.

Justice Agencies in the United States. May 1980.

Justice Expenditure and Employment, 1985. March 1987.

Locating City, Suburban, and Rural Crime. December 1986.

Measuring Crime. February 1981.

National Survey of Court Organization, 1977 Supplement to State Judicial Systems.

Parole in the United States. Annual.

Police Employment and Expenditure. February 1986.

Pretrial Release and Misconduct: Federal Offenses and Offenders. January 1986.

Prevalence of Crime. April 1981.

Digitized by Google

Law Enforcement, Courts, and Prisons—Con.

U.S. Government—Con.

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration)—Con.

Prevalence of Guilty Pleas. December 1984.

Prevalence of Imprisonment. July 1985.

Prison Admissions and Releases, 1983. March 1986.

Prisoners, 1925-81. December 1982.

Prisoners and Alcohol. January 1983.

Prisoners and Drugs. March 1983.

Prisoners in State and Federal Institutions on December 31, 1984. February 1987.

Prisons and Prisoners. January 1982.

Probation and Parole, 1985. January 1987.

Profile of Jail Inmates. October 1980.

Profile of State Prison Inmates. August 1979.

Reporting Crime to the Police. December 1986.

Returning to Prison. November 1984.

Risk of Violent Crime. May 1985.

Severity of Crime. January 1984.

Sourcebook of Criminal Justice Statistics. Annual.

State Court Caseload Statistics,1977-81. February 1983.

Teenage Victims. November 1986.

Time Served in Prison. June 1984.

Tracking Offenders: White-Collar Crime. November 1986.

Tracking Offenders: The Child Victim. December 1984.

Use of Weapons in Committing Crime. January 1986.

Veterans in Prison. October 1981.

Victim and Witness Assistance: New State Laws and the System's Response. May 1983.

Victims of Crime. December 1981.

Violent Crime by Strangers and Nonstrangers. January 1987.

Bureau of Prisons

Statistical Report. Annual through 1985.

Drug Enforcement Administration

Drug Abuse and Law Enforcement Statistics. Irregular.

Federal Bureau of Investigation

Crime in the United States. Annual. Supplemented by Uniform Crime Reporting, semiannual and annual summary. (Releases of preliminary crime data for the United States.)

Law Enforcement, Courts, and Prisons—Con.

Other

American Bar Foundation, Chicago, IL

The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s. 1985.

Supplement to the Lawyer Statistical Report: The U.S. Legal Profession in 1985. 1986.

Criminal Justice Institute, Inc., New York, NY

The Corrections Yearbook.

National Center for Juvenile Justice, Pittsburgh, PA

Delinquency in the United States 1983: A Description of Delinquency and Status Offense Cases Processed by Courts with Juvenile Jurisdiction. Annual.

Juvenile Court Statistics: 1983. Annual.

National Center for State Courts, Williamsburg, VA

State Court Caseload Statistics. Annual.

National Governors' Association and National Association of State Budget Officers, Washington, DC

Fiscal Survey of the States. Annual.

National Governors' Association and National Conference of State Legislatures, Washington, DC

Impact on the States, The President's 1987 Budget.

Libraries—*see* Education.

Livestock—*see* Agriculture.

Lumber—*see* Forests and Lumber.

Manufactures—*see also* Agriculture; Business; Economic Indexes; Forests and Lumber; Investments; Labor; *and* Minerals

U.S. Government

Board of Governors of the Federal Reserve System

Capacity Utilization: Manufacturing, Mining, Utilities, and Industrial Materials. G.3(402). Monthly.

Federal Reserve Bulletin. Monthly.

Industrial Production. 1986.

Industrial Production. G.12.3(414). Monthly.

Bureau of Alcohol, Tobacco, and Firearms

Alcohol and Tobacco Summary Statistics. Annual.

Bureau of the Census

Annual Survey of Manufactures. (1984, most recent.)

Digitized by Google

Manufactures—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Census of Manufactures. Quinquennial. (1982, Final Reports, Industry series, MC 82-I.)

Census of Mineral Industries. Quinquennial. (1982, Final Reports, Industry series MIC 82-I.)

Concentration Ratios in Manufacturing Industry. (1982, most recent.)

Cotton Production and Distribution. Annual.

County Business Patterns. Annual.

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Manufacturers' Shipments, Inventories, and Orders. Monthly. (Current Industrial Reports M3-1.)

Manufacturers' Shipments, Inventories, and Orders: 1977-1984. Annual summary. (Current Industrial Reports M3-1.14.)

Origin of Exports of Manufactured Products: 1983. (Annual Survey of Manufactures M83(AS)-5.)

Pollution Abatement Cost and Expenditures. (Current Industrial Reports MA-200.)

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.

Shipments to Federal Government Agencies. (Current Industrial Reports MA-175.) (Discontinued in 1984.)

Survey of Plant Capacity Utilization. (Current Industrial Reports MQ-C1.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES2.)

Bureau of Economic Analysis

Business Statistics: 1984. 1985.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

Current Wage Developments. Monthly.

Employment and Earnings. Monthly, with annual supplements.

Employment, Hours, and Earnings, States and Areas, 1939-82. 1984. (Bulletin No. 1370-17.) Supplement, 1980-84. 1985. (Bulletin No. 1370-19.)

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No. 1312-12.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Occupational Employment in Manufacturing Industries. 1985. (Bulletin No. 2248.)

Manufactures—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Producer Price Indexes. Monthly, with annual supplements.

Trends in Manufacturing: A Chartbook. 1985. (Bulletin No. 2219.)

International Trade Administration

Market Share Reports. Annual.

U.S. Industrial Outlook. Annual.

International Trade Commission

Synthetic Organic Chemicals, U.S. Production and Sales. Annual.

National Science Foundation

A Comparative Analysis of Information on National Industrial R&D Expenditures. Special Report. (NSF 85-311.)

Growth in Company-funded Research and Development Expected to Slow in 1987. Science Resources Studies Highlights. (NSF 86-314.)

Industrial Biotechnology R&D Performance Exceeded $1 Billion in 1985. Science Resources Studies Highlights. (NSF 87-304.)

Research and Development in Industry. Detailed Statistical Tables. Annual.

Scientists, Enngineers, and Technicians in Private Industry, Including Manufacturing, Nonmanufacturing, and Trade and Regulated Industries. Detailed Statistical Tables.

Other

Aerospace Industries Association of America, Washington, DC

Aerospace Facts and Figures. Annual.

Aerospace Industry Year-End Review and Forecast. Annual.

Commercial Helicopter Shipments. Quarterly.

DOD Prime Contract Awards by Region and State. Annual.

DOD Prime Contract Awards by Service Category and Federal Supply Classification. Annual.

DOD Prime Contract Awards—Top 100 Contractors. Annual.

DOD Prime Contract Awards—Top 500 Contractors for RDT&E. Annual.

Net New Orders, Shipments, and Backlog for Jet Transport Aircraft. Quarterly.

American Frozen Food Institute, Burlingame, CA

Frozen Food Pack Statistics. Annual.

Digitized by Google

Manufactures—Con.

Other—Con.

American Iron and Steel Institute, Washington, DC
Annual Statistical Report.

Commodity Research Bureau, New York, NY
Commodity Yearbook. Annual.

The Conference Board, New York, NY
Quarterly Survey of Capital Appropriations.
Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing.

Dataquest Inc., San Jose, CA
Consolidated Data Base.

Dealerscope Merchandising, Philadelphia, PA
Merchandising. Annual.

Electronic Industries Association, Washington, DC
Electronic Market Data Book. Annual.
Electronic Market Trends. Monthly.
Electronics Foreign Trade. Monthly.
Electronics Foreign Trade Five-Year Summary. Annual.

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI
Motor Vehicle Facts and Figures. Annual.

National Association of Hosiery Manufacturers, Charlotte, NC
Hosiery Statistics. Annual.

National Food Processors Association, Washington, DC
Canned Fruit and Vegetable Statistics Reports. Annual.

Marine Corps—*see* National Defense.

Marriage—*see* Vital Statistics.

Medical Care; Mental Health—*see* Health.

Merchant Vessels—*see* Transportation.

Military Services—*see* National Defense.

Minerals and Metals—*see also* Economic Indexes; Energy; Foreign Commerce; *and* Manufactures

U.S. Government

Bureau of the Census
Annual Survey of Oil and Gas. (Current Industrial Reports MA-13K.) (Discontinued December 1983.)
Census of Mineral Industries. Quinquennial. (1982, Final Reports, Industry series MIC82-1.)

Minerals and Metals—Con.

U.S. Government—Con.

Bureau of the Census and Bureau of Mines
Raw Materials in the United States Economy: 1900-1977. (Issued 1980. Working Paper No. 47.)

Bureau of Mines
Apparent Consumption of Industrial Explosives and Blasting Agents in the United States. Annual.
Mineral Commodity Summaries. Annual.
Mineral Industry Surveys. (Monthly, quarterly, or annual report.)
Minerals and Materials. (Bimonthly survey.)
Minerals Yearbook. Annual. (Issued in three volumes.)
Vol. I—Metals and Minerals.
Vol. II—Area Reports: Domestic.
Vol. III—Area Reports: International.

Department of the Treasury
Treasury Bulletin. Monthly through 1982; beginning 1983, quarterly.

Energy Information Administration
Annual Energy Review.
Coal Production. Annual.
Domestic Uranium Mining and Milling Industry. Annual.
International Energy Annual.
Monthly Energy Review.
Natural Gas Annual.
Petroleum Supply Annual.
Quarterly Coal Report.
U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves. Annual.

Other

American Bureau of Metal Statistics, Inc., Secaucus, NJ
Non-Ferrous Metal Data Yearbook. 1985.

American Gas Association, Arlington, VA
Gas Facts. Annual.
Year Book.

American Gas Association, American Petroleum Institute, and Canadian Petroleum Association
Reserves of Crude Oil, Natural Gas Liquid, and Natural Gas in the United States and Canada and United States Productive Capacity. Annual. (Last issue Dec. 31, 1979.)

American Metal Market, New York, NY
Daily Newspapers.
Metal Statistics. Annual.

Digitized by Google

and Metals—Con.

—Con.

rican Petroleum Institute, Washington, DC

uarterly Review of Drilling Statistics for the United States.

rican Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association

int Association Survey on Drilling Costs. Annual.

modity Research Bureau, New York, NY

ommodity Yearbook. Annual.

Independent Petroleum Association of America, Washington, DC

AA Supply & Demand Outlook. Monthly.

e Oil & Gas Producing Industry in Your State. Annual.

S. Petroleum Statistics. Semiannual.

S. Wholesale Prices of Crude Oil and Principal Products. Monthly.

eekly Oil Trends.

raw-Hill Publications Co., New York, NY

gineering and Mining Journal. Monthly.

ystone Coal Industry Manual. Annual.

nal Coal Association, Washington, DC

uminous Coal Facts. Biennial.

Well Publishing Co., Tulsa, OK

fshore. Monthly.

e Oil and Gas Journal. Weekly.

H. Pforzheimer & Co., New York, NY

mparative Oil Company Statistics, 1986-1985.

nd Banking—*see also* Construction; ance; International Accounts; *and* In- nents

overnment

d of Governors of the Federal Reserve System

nual Statistical Digest.

mestic Offices, Commercial Bank Assets and Liabilities Consolidated Report of Condition. E.3.4 (113). Quarterly.

deral Reserve Bulletin. Monthly.

w of Funds Accounts: Seasonally Adjusted and Unadjusted. Z.1(780). Quarterly.

ney Stock, Liquid Assets, and Debt Measures. H.6 (508). Weekly.

Money and Banking—Con.

U.S. Government—Con.

Bureau of the Mint
- Annual Report of the Director.

Comptroller of the Currency
- Annual Report.
- Quarterly Journal.

Department of the Treasury
- Daily Treasury Statement.
- Monthly Treasury Statement of Receipts and Outlays of the United States Government.
- Statement of United States Currency and Coin. Monthly.
- Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances through 1980.
- Treasury Bulletin. Monthly through 1982; beginning 1983, quarterly.

Farm Credit Administration
- Annual Report on the Work of the Cooperative Farm Credit System.
- Production Credit Association: Summary of Operations. Annual.
- Report to the Federal Land Bank Associations. Annual.

Federal Deposit Insurance Corporation
- Annual Report.
- Data Book - Operating Banks and Branches. Annual.
- Quarterly Banking Profile.
- Statistics on Banking. Annual.
- Summary of Accounts and Deposits in All Banks. Annual.
- Trust Assets of Insured Commercial Banks. Annual.

Federal Home Loan Bank Board
- Annual Report.
- Asset and Liability Trends. Annual.
- Savings and Home Financing Source Book. Annual.

National Credit Union Administration
- Annual Report.
- Annual Statistics.
- Midyear Statistics.

Other

Credit Union National Association, Inc., Madison, WI
- The Credit Union Report. Annual.
- National Member Survey. 1985.
- Operating Ratios and Spreads. Annual.

William B. Dana Co., New York, NY
- The Market Chronicle. Weekly.

Digitized by Google

Money and Banking—Con.

Other—Con.

Federal National Mortgage Association, Washington, DC

Annual Report.

Investment Company Institute, Washington, DC

Mutual Fund Fact Book. Annual.

National Council of Savings Institutions, Washington, DC

Fact Book of National Council of Savings Institutions. Annual.

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL)

The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL)

Mortgages—*see* Construction; *and* Money.

Motor Carriers and Vehicles—*see* Transportation

National Defense—*see also* Federal Government

U.S. Government

Bureau of the Census

Shipments of Defense-Oriented Industries. (Current Industrial Reports MA-175.) Monthly.

Department of Defense

Annual Fact Sheet of Department of Defense.

Annual Report of Secretary of Defense.

Atlas/State Data Abstract for the United States. Annual.

The Black in the Armed Forces. Statistical Fact Book. Annual.

Five Year Defense Plan. Annual.

Foreign Military Sales and Military Assistance Facts. Annual.

Military Manpower Statistics. Quarterly.

Military Posture Report. Annual.

Military Prime Contract Awards. Annual.

Prime Contract Awards by State. Annual.

Real and Personal Property of the Department of Defense. Annual.

Selected Defense Department Economic Indicators. Monthly.

Selected Manpower Statistics. Annual.

National Guard Bureau

Annual Review of the Chief.

National Defense—Con.

U.S. Government—Con.

Office of Civil Defense

Annual Statistical Report.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Selective Service System, National Headquarters

Semiannual Report of the Director of Selective Service

U.S. Arms Control and Disarmament Agency

World Military Expenditures and Arms Transfers. Annual.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Data on Vietnam Era Veterans, 1984.

National Income and Wealth—*see also* Consumer Income; *and* Money and Banking

U.S. Government

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics: 1984. 1985.

Fixed Reproducible Tangible Wealth in the United States, 1925-79. 1982.

Handbook of Cyclical Indicators. 1984.

The National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

Readings in Concepts and Methods of National Income Statistics 1976. (Reprint of material prepared from 1954 to 1976.) Available from National Technical Information Service, Springfield, VA.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Internal Revenue Service

Statistics of Income Bulletin. Quarterly. (Spring 1983 issue, Summer 1983 issue, and Winter 1984-85 issue.)

Other

The Conference Board, New York, NY

The National Wealth of the United States, by Major Sectors and Industry, by John W. Kendrick, with Kyu Sik Lee

Digitized by Google

National Income and Wealth—Con.

Other—Con.

The Conference Board, New York, NY—Con.

and Jean Lomask. 1976. (Report No. 698.)

National Bureau of Economic Research, Cambridge, MA

The National Balance Sheet of the United States, 1953-80, by Raymond W. Goldsmith. 1982. (University of Chicago Press, Chicago, IL)

The U.S. National Income and Product Accounts: Selected Topics, Murray F. Foss, editor. 1982. (Studies in Income and Wealth, No. 47.) (University of Chicago Press, Chicago, IL)

Naturalization—*see* Immigration.

Navy—*see* National Defense.

Newspapers, Periodicals, and Books—*see also* Communications

U.S. Government

Bureau of the Census

Annual Survey of Manufactures. (1984, most recent.)

Census of Manufactures. Quinquennial. (1982, most recent.)

Library of Congress

Annual Report.

Other

Book Industry Study Group, Inc., New York, NY

Book Industry Trends. Annual.

Bowker (R.R.) Company, New York, NY

Library Journal. Bimonthly.

Publishers Weekly.

School Library Journal. Monthly.

Editor & Publisher Co., New York, NY

International Year Book.

Market Guide. Annual.

Gale Research Company, Fort Lauderdale, FL

Gale Directory of Publications. 1987.

Nutrition—*see* Food *and* Health.

Occupation—*see* Labor; Population; *and* Social Insurance.

Outlying Areas—*see also* Foreign Commerce

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial. (1982, most recent.)

Outlying Areas—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Census of Housing. Decennial. (1980, most recent.)

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Estimates, P-25.)

Economic Census of Outlying Areas: 1982.

Guam. (OAC82-6.)

Puerto Rico. (OAC82-1 to 4.)

Virgin Islands of the U.S. (OAC82-5.)

Bureau of Mines

Minerals Yearbook. Annual. (Issued in three volumes; see list under "Minerals.")

Center for Education Statistics

Digest of Education Statistics. Annual.

Statistics of Public Elementary and Secondary School Systems. Fall. Annual.

National Center for Health Statistics

Vital Statistics of the United States. Annual.

Other

Puerto Rico Planning Board, San Juan, PR

Balance of Payments—Puerto Rico. Annual.

Economic Report to the Governor. Annual.

Income and Product. Annual.

Selected Indices of Economic and Social Progress. Statistical Yearbook.

Socioeconomic Statistics. Annual.

Paper—*see* Forests and Lumber.

Parks—*see* Public Lands.

Pensions—*see* Social Insurance.

Petroleum—*see* Energy *and* Minerals.

Population and Population Characteristics—*see also* Labor *and* Vital Statistics

U.S. Government

Bureau of the Census

Census of Agriculture. Quinquennial. (1982, most recent.)

Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Population Characteristics, P-20; Special Studies, P-23; Population Estimates and Projections, P-25; Local Population Estimates, P-26; Farm Population, P-27; Special Censuses, P-28;

Digitized by Google

Population and Population Characteristics—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Consumer Income, P-60; and Household Economic Studies, P-70.)

Social Indicators, 1980.

Bureau of the Census and Department of Agriculture

Farm Population. Annual. (Series P-27.)

Bureau of Labor Statistics

Employment and Earnings. Monthly, with annual supplements.

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Labor Force Statistics Derived From the Current Population Survey: A Databook. 1982. (Bulletin 2096.) Supplement. 1984. (Bulletin No. 2096-1.)

Monthly Labor Review.

Work Experience of the Population in 1981-82. 1984. (Bulletin No. 2199.)

National Science Foundation

Academic Science/Engineering: Scientists and Engineers. Detailed Statistical Tables. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Science/Engineering Graduates. Detailed Statistical Tables. Biennial.

Federal Scientists and Engineers. Detailed Statistical Tables. Annual.

Foreign Citizens in U.S. Science and Engineering: History, Status, and Outlook. Special Report. (NSF 86-305.) In press.

Immigrant Scientists and Engineers. Detailed Statistical Tables. Annual.

The 1982 Postcensal Survey of Scientists and Engineers. Detailed Statistical Tables. (NSF 84-330.)

Science and Engineering Personnel: A National Overview. Report. Biennial.

Science and Technology Data Book. Report. Annual.

Science Indicators. Report. Biennial.

U.S. Scientists and Engineers. Detailed Statistical Tables. Biennial.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Data on Vietnam Era Veterans, 1984.

Disability Compensation Data. Semiannual.

Disability and Death Pension Data. Semiannual.

Population and Population Characteristics—Con.

U.S. Government—Con.

Veterans Administration—Con.

National Survey of Veterans, 1980. (Research Monograph No. 14.)

Selected Compensation and Pension Data by State of Residence. Annual.

State and County Veteran Population, March 1983. (RSM 70-83-4. October 1983.)

Veterans Benefits Under Current Education Programs. Annual.

Other

Population Association of America, Washington, DC

Demography. Quarterly.

Population Index. (Princeton University, Princeton, NJ, Woodrow Wilson School of Public and International Affairs for the Population Association of America, Inc.) Quarterly.

Postal Service—*see* Communications.

Power—*see* Energy.

Prices—*see* Commodity Prices; *and* Economic Indexes.

Prisons and Prisoners—*see* Law Enforcement.

Public Assistance—*see* Social Insurance.

Public Lands and Park Systems—*see also* Federal Government; *and* Recreation

U.S. Government

Bureau of Land Management

Public Land Statistics. Annual.

General Services Administration

Inventory Report on Real Property Leased to the United States Throughout the World. Annual.

Inventory Report on Real Property Owned by the United States Throughout the World. Annual.

National Park Service

Areas Administered by the National Park Service. Semiannual through 1978.

National Park Statistical Abstract. Annual.

Overnight Stays. Annual.

Other

National Association of State Park Directors, Indianapolis, IN

Annual Information Exchange.

Public Utilities—*see* Communications; Energy; *and* Transportation.

Puerto Rico—*see* Outlying Areas.

Digitized by Google

ee Communications.

—*see* Transportation.

ate—*see* Agriculture; *and* Construction.

tion Projects—*see* Agriculture.

on—*see also* Public Lands

overnment

au of the Census

nsus of Transportation. Quinquennial. 1982, most recent.)

cial Indicators, 1973; 1976; 1980.

au of Economic Analysis

National Income and Product Accounts of the United States, 1929-82: Statistical Tables. 1986.

vey of Current Business. Monthly.

rtment of Transportation

International Air Travel Statistics. Annual.

and Wildlife Service

deral Aid in Fish and Wildlife Restoration. Annual.

ional Survey of Fishing, Hunting, and Wildlife- Associated Recreation. Quinquennial. (1980 most recent.)

nconsumptive Use of Wildlife in the United States. (Resource Publication no. 154.) 1984.

al Endowment for the Arts

search Division Notes Nos. 3, 4, 5, 10, 11, and 15. 1983-1986.

al Park Service

onal Park Statistical Abstract. Annual.

al Association of State Racing Commissioners, Lexington, KY

stical Reports on Greyhound Racing the United States. Annual.

stical Reports on Horse Racing in e United States. Annual.

al Golf Foundation, North Palm ach, FL

Consumer Profile. 1987.

Facilities in the United States. 1987

Participation in the United States. 87.

Projections 2000. 1987.

d Marine Manufacturers Association, icago, IL

ng. (A Statistical Report on Americ s Top Family Sport.) Annual.

et Research Notebook: The Marine rket. Periodically.

Boat Registration. Annual.

Recreation—Con.

Other—Con.

National Sporting Goods Association, Mt. Prospect, IL

The Sporting Goods Market in 1986.

Sports Participation in 1986.

Resources for the Future, Inc., Washington, DC

Statistics on Outdoor Recreation. 1984.

Part I: The Record Through 1956

Part II: The Record Since 1956

Religious Bodies

Other

American Jewish Committee and the American Jewish Publication Society, New York, NY

American Jewish Year Book.

Glenmary Research Center, Atlanta, GA

Churches and Church Membership in the United States 1980, by B. Quinn, H. Anderson, M. Bradley, P. Goetting, and P. Shriver.

National Council of the Churches of Christ in the U.S.A., New York, NY

Yearbook of American and Canadian Churches. Annual.

Research and Development—*see* Scientific Resources.

Retail and Wholesale Trade—*see also* Commodity Prices; Economic Indexes; *and* Service Establishments

U.S. Government

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of the Census

Annual Retail Trade Report.

Annual Wholesale Trade Report.

Census of Retail Trade. Quinquennial. (1982, most recent.)

Census of Wholesale Trade. Quinquennial. (1982, most recent.)

County Business Patterns. Annual.

Merchant Wholesalers—Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses. (1982, most recent.)

Monthly Retail Trade Report. Sales and Inventories.

Monthly Wholesale Trade Report. Sales and Inventories.

Selected Characteristics of Retail Trade—Measures of Value Produced, Capital Expenditures, Depreciable

Digitized by Google

Retail and Wholesale Trade—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Assets, and Operating Expenses. (1982, most recent.)

Bureau of Economic Analysis

Business Statistics: 1984. 1985.

Survey of Current Business. Monthly.

Bureau of Labor Statistics

CPI Detailed Report. Monthly.

Current Wage Developments. Monthly.

Employment and Earnings. Monthly, with annual supplement.

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No. 1312-12.)

Handbook of Labor Statistics. Periodic. (1985, most recent.)

Monthly Labor Review.

Occupational Employment in Transportation, Communications, Utilities, and Trade. 1984. (Bulletin No. 2220.)

Occupational Injuries and Illnesses in the United States by Industry. Annual.

Producer Price Indexes. Monthly, with annual supplement.

Productivity Measures for Selected Industries. Annual.

International Trade Administration

Franchising in the Economy. Annual.

U.S. Industrial Outlook. Annual.

Other

Dealerscope Merchandising, Philadelphia, PA

Merchandising. Annual.

Laventhol & Horwath, Philadelphia, PA

Executive Compensation and Fringe Benefits in the Restaurant Industry. (Published by the National Restaurant Association, Washington, DC, based on information prepared by Laventhol & Horwath.)

Lebhar-Friedman, Inc., New York, NY

Chain Store Age Executive Census Issue, August 1988. Monthly.

Chain Store Age General Merchandise Trends. Statistical Issues, June/July 1987. Monthly.

Computer and Software News. September 1987 Statistical Issue. Weekly.

Discount Store News. July 1987 Statistical Issue. Biweekly.

Drug Store News. April/May 1987 Statistical Issues. Biweekly.

National Home Center News. May 1987 - 2 Statistical Issues. Biweekly.

Retail and Wholesale Trade—Con.

Other—Con.

Lebhar-Friedman, Inc., New York, NY—Con.

Nation's Restaurant News. August 1987 Statistical Issue. Weekly.

Market Statistics, New York, NY

The Survey of Buying Power Data Service. Annual.

National Restaurant Association, Washington, DC

Foodservice Industry Forecast. Annual.

Restaurant Industry Operations Report. Annual.

Restaurants USA. Monthly.

Survey of Wage Rates for Hourly Employees. Biennial.

Roads—*see* Transportation.

Sales—*see* Retail and Wholesale Trade.

Savings—*see* Consumer Income; *and* Money.

Savings Institutions—*see* Money.

Science Resources

U.S. Government

Bureau of the Census

Current Industrial Reports, MA37D. (Changed from Quarterly to Annual January 1984.)

Energy Research and Development Administration

The Nuclear Industry. Annual.

National Aeronautics and Space Administration

Satellite Situation Report. Semi-monthly.

National Science Foundation

Academic Research Equipment in the Physical and Computer Sciences and Engineering. Detailed Statistical Tables. Biennial.

Academic Science/Engineering: Graduate Enrollment and Support. Detailed Statistical Tables. Annual.

Academic Science/Engineering: R&D Funds. Detailed Statistical Tables. Annual.

Academic Science/Engineering: Scientists and Engineers. Detailed Statistical Tables. Annual.

Characteristics of Doctoral Scientists and Engineers in the United States. Detailed Statistical Tables. Biennial.

Characteristics of Recent Scientists and Engineers. Detailed Statistical Tables. Biennial.

Digitized by Google

Science Resources—Con.

U.S. Government—Con.

National Science Foundation—Con.

A Comparative Analysis of Information on National Industrial R&D Expenditures. (NSF 85-311.)

Comparison of Scientific and Personnel Trends in the United States, France, West Germany, and the United Kingdom Since 1970. Special Report. (NSF 84-335.)

Federal Funding by Budget Function. Report. Annual.

Federal Funds for Research and Development. (Includes geographic distribution and funding by function.) Detailed Statistical Tables. Annual.

Federal R&D Funding by Budget Function. Report. Annual.

Federal R&D Funding for Energy: Fiscal Years 1971-84. Special Report. (NSF 83-301.)

Federal Scientists and Engineers. Detailed Statistical Tables. Annual.

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. A report to the President and Congress. Detailed Statistical Tables. Annual.

Immigrant Scientists and Engineers. Detailed Statistical Tables. Annual.

International Science and Technology Data Update. Report. Annual.

National Patterns of Science and Technology Resources. Report. Annual.

The 1982 Postcensal Survey of Scientists and Engineers. Detailed Statistical Tables. Decennial.

1990 R&D Funding Projections. Special Report. (NSF 82-315.)

Profile—Chemistry: Human Resources and Funding. Special Report. (NSF 87-307.)

Research and Development in Industry. Detailed Statistical Tables. Annual.

Science and Engineering Doctorates: 1960-84. Detailed Statistical Tables. Annual.

Science and Engineering Personnel: A National Overview. Report. Biennial.

Science and Technology Data Book. Report. Annual.

Science Indicators. Report. Biennial.

Science Resources Studies Highlights. Frequent.

Defense Accounts for 75% of R&D Funds Proposed in President's 1987 Budget.

Despite Continued High Level of Defense-Related Spending, Growth in Nation's R&D Effort Slows.

Science Resources—Con.

U.S. Government—Con.

National Science Foundation—Con.

Employment of Ph.D. Scientists and Engineers in Industry Continues to Increase.

Growth in Company-funded Research and Development Expected to Slow in 1987.

Industrial Biotechnology R&D Performance Exceeded $1 Billion in 1985.

Scientists, Engineers, and Technicians in Private Industry, Including Manufacturing, Nonmanufacturing, and Trade and Regulated Industries: 1985, 1986, and 1987. Detailed Statistical Tables.

U.S. Scientists and Engineers. Detailed Statistical Tables. Biennial.

Women and Minorities in Science and Engineering. Report. Biennial.

Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

Other

National Academy of Sciences, Washington, DC

Science, Engineering, and Humanities Doctorates in the United States. Biennial.

Summary Report. Doctorate Recipients from United States Universities. Annual.

Securities—*see* Investments; *and* Money.

Service Establishments—*see also* Retail and Wholesale Trade

U.S. Government

Bureau of the Census

Census of Service Industries. Quinquennial. (1982, most recent.)

Monthly Selected Services Receipts. (Series BS.) (Discontinued December 1981.)

Motor Freight Transportation and Warehousing Survey. Annual.

Selected Characteristics of Selected Service Industries—Capital Expenditures, Depreciable Assets, and Operating Expenses. (1982, most recent.)

Services Annual Survey Report.

Internal Revenue Service

Statistics of Income. (Annual report on Corporation Income Tax Returns. Periodic reports on Foreign Income and Tax Reported on U.S. Corporation Tax Returns.)

Statistics of Income Bulletin. Quarterly.

Digitized by Google

Service Establishments—Con.

Other

Decker Communications, Inc., New York, NY

Marketing Communications. (Advertising.) Monthly.

Laventhol & Horwath, Philadelphia, PA

The Executive Conference Center: A Statistical and Financial Profile. Annual.

Gaming Industry Study. Annual.

Lifecare Industry. Annual. (Analysis of facilities by size and section of the country for selected financial data, resident census information, and medical costs.)

National Trends of Business in the Lodging Industry. Monthly. (Analysis of nationwide trends in sales, occupancy, and room rates of hotels, motor hotels, and economy lodging facilities.)

Separate reports on the segments of lodging industries. Annuals. (Reports covering economy, all-suite, and resort.)

U.S. Lodging Industry. Annual. (Report on hotel and motor hotel operations.)

Worldwide Lodging Industry. Annual. (Report on international hotel operations.)

Pannell Kerr Forster, Houston, TX

Clubs in Town and Country. Annual.

Trends in the Hotel Industry, International Edition. Annual.

Trends in the Hotel Industry, U.S.A. Edition. Annual.

Social Insurance and Human Services—*see also* Insurance; *and* Labor

U.S. Government

Bureau of the Census

Census of Governments. Quinquennial. (1987, most recent.)

Consolidated Federal Funds Report. Annual.

Federal Expenditures by State

Volume I County Areas

Volume II Subcounty Areas

Current Population Reports (series P-60, Consumer Income.)

Finances of Employee-Retirement Systems of State and Local Governments. Annual. (GF No. 2.)

Finances of Selected Public Employee Retirement Systems. Quarterly. (GR Nos. 1-4.)

Social Indicators, 1980.

Social Insurance and Human Services—Con.

U.S. Government—Con.

Bureau of Labor Statistics

Employee Benefits in Medium and Large Firms. Annual.

Department of Health and Human Services

Annual Medicare Program Statistics.

Annual Report.

Income of the Population 55 and Over. 1984.

Department of Labor

Annual Report of the Secretary.

Employment and Training Administration

Unemployment Insurance Claims. Weekly.

Unemployment Insurance Statistics. Monthly.

Family Support Administration

AFDC: 1979 Recipient Characteristics Study. (Part I, Demographic & Program Statistics, 1982.) (Part II, Financial Circumstances of AFDC Families, 1982.)

Public Assistance Recipients in Metropolitan Statistical Areas—February 1984 and February 1985.

Quarterly Public Assistance Statistics.

Health Care Financing Administration

Annual Medicare Program Statistics.

Health Care Financing Program Statistics. Medicare and Medicaid data. Annual.

Health Care Financing Review. Quarterly publication focusing on research, demonstrations, and statistics.

Office of Personnel Management

Compensation Report. Annual.

Monthly Release of Federal Civilian Workforce Statistics.

Rehabilitation Services Administration

Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Year. Annual.

Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

State Vocational Rehabilitation Agency Program Data in Fiscal Year. Annual.

Railroad Retirement Board, Chicago, IL

Annual Report.

Monthly Benefit Statistics.

Statistical Supplement to the Annual Report.

Social Security Administration

Benefits and Beneficiaries Under Public Employee Retirement Systems, 1983, Social Security Bulletin, April 1986.

Digitized by Google

Social Insurance and Human Services—Con.

U.S. Government—Con.

Social Security Administration—Con.

Characteristics of Social Security Disability Insurance Beneficiaries, 1980-84. 1987.

Cash Benefits for Short-Term Sickness: Thirty-Five Years of Data, 1948-83, Social Security Bulletin, May 1986.

Effects of the OASDI Benefit Increase, December 1986, Social Security Bulletin, July 1987.

Income of the Population 55 and Over, 1984. 1986.

Monthly Benefit Statistics. Monthly.

1982 New Beneficiary Survey Findings, Social Security Bulletin, 1983-87.

Program and Demographic Characteristics of SSI Beneficiaries, December 1985, Social Security Bulletin, May 1987.

Public Assistance Statistics. Monthly.

Public Social Welfare Expenditures, Fiscal Year 1984, Social Security Bulletin, June 1987.

Social Security Beneficiaries by State and County, December 1985.

Social Security Bulletin. Monthly with annual statistical supplement. (Data on OASDHI, Supplemental Security Income, Aid to Families with Dependent Children, Medicaid, Low Income Home Energy Assistance, Food Stamps, black lung benefits, and other programs.)

Social Security Programs in the United States, Social Security Bulletin, April 1987.

The Supplemental Security Income Program for the Aged, Blind, and Disabled: Selected Characteristics of State Assistance Programs for SSI Recipients. January 1986.

Supplemental Security Income, State and County Data. Annual.

Workers' Compensation Coverage, Benefits, and Costs, 1984, Social Security Bulletin, December 1986.

Workers' Compensation: 1976-80 Benchmark Revisions, Social Security Bulletin, July 1984.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Government Life Insurance Programs for Veterans and Members of the Services. Annual.

Other

AAFRC Trust For Philanthropy, New York, NY

Giving USA. Annual.

Social Insurance and Human Services—Con.

Other—Con.

American Red Cross, Washington, DC

Annual Report.

Boy Scouts of America, National Council, Irving, TX

Annual Report.

Local Council Index.

The Foundation Center, New York, NY

The Foundation Grants Index. Edition 16. 1987.

National Data Book. Edition 11. 1987.

Girl Scouts of the U.S.A., New York, NY

Annual Report.

National Bureau of Economic Research, Cambridge, MA

Financial Aspects of the United States Pension System, Zvi Bodie and John B. Shoven, editors. 1983. (University of Chicago Press, Chicago, IL)

United Way of America, Alexandria, VA

Annual Directory.

Soil Conservation—*see* Agriculture.

Sports—*see* Recreation.

State and Local Government—*see also* Federal Government

U.S. Government

Bureau of the Census

Census of Governments. Quinquennial. (1987, most recent.)

City Employment. Annual. (GE No. 2.)

City Government Finances. Annual. (GF No. 4.)

County Government Employment. Annual. (GE No. 4.)

County Government Finances. Annual. (GF No. 8.)

Federal Expenditures by State. Annual.

Finances of Employee-Retirement Systems of State and Local Governments. Annual. (GF No. 2.)

Finances of Public School Systems. Annual. (GF No. 10.)

Finances of Selected Public Employee Retirement Systems. Quarterly. (GR Nos. 1-4.)

Governmental Finances. Annual. Covers Federal, State, and local governments. (GF No. 5.)

Local Government Employment in Major County Areas. Annual. (GE No. 3.)

Local Government Finances in Major County Areas. Annual. (GF No. 6.)

Public Employment. Annual. (GE No. 1.)

Digitized by Google

State and Local Government—Con.

U.S. Government—Con.

Bureau of the Census—Con.

Quarterly Summary of Federal, State, and Local Tax Revenue. (GT Nos. 1-4.)

State Government Finances. Annual. (GF No. 3.)

State Government Tax Collections. Annual. (GF No. 1.)

Bureau of Justice Statistics (formerly Law Enforcement Assistance Administration) and Bureau of the Census

Capital Punishment. Annual.

Case Filings in State Courts, 1983. October 1984.

Census of Jails, 1978. Data for Individual Jails, vols. I-IV. December 1981.

Census of Jails and Survey of Jail Inmates, 1978. February 1979.

Characteristics of the Parole Population, 1978. December 1980.

Children in Custody: Advance Report on the 1979 Census of Private Facilities. April 1981.

Children in Custody: Public Juvenile Facilities, 1986. October 1986.

Expenditure and Employment Data for the Criminal Justice System. Annual.

Growth of Appeals: 1973-83 Trends. February 1985.

1983 Jail Census. November 1984.

Jail Inmates, 1984. May 1986.

National Survey of Court Organization, 1977 Supplement to State Judicial Systems.

Parole in the United States. Annual.

Prison Admissions and Releases 1983. March 1986.

Prisoners, 1925-81. December 1982.

Prisoners in State and Federal Institutions on December 31, 1984. February 1987.

Probation and Parole, 1985. January 1987.

Prosecution of Felony Arrests, 1979. May 1984.

Returning to Prison. November 1984.

Sentencing Practices in 13 States. October 1984.

Sourcebook of Criminal Justice Statistics. Annual.

Tracking Offenders: White-Collar Crime. November 1986.

Tracking Offenders: The Child Victim. December 1984.

Bureau of Labor Statistics

Employment and Earnings. Monthly.

State and Local Government—Con.

U.S. Government—Con.

Bureau of Labor Statistics—Con.

Employment, Hours, and Earnings, United States, 1909-84. 1985. (Bulletin No. 1312-12.)

Occupational Employment in Transportation, Communications, Utilities, and Trade. 1984. (Bulletin No. 2220.)

Federal Highway Administration

Highway Statistics. Annual.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Social Security Administration

Benefits and Beneficiaries Under Public Employee Retirement Systems, 1983, Social Security Bulletin, April 1986.

Federal Employees' Retirement System Act of 1986, Social Security Bulletin, November 1986.

Other

Advisory Commission on Intergovernmental Relations, Washington, DC

A Catalog of Federal Grant-in-Aid Programs to State and Local Governments, FY 87. 1987.

Government Finance Data Diskettes. Various series. Annual.

Measuring State Fiscal Capacity: Alternate Methods and Their Uses. Annual.

Significant Features of Fiscal Federalism. Annual.

The Council of State Governments, Lexington, KY

American State Legislatures: Their Structures and Procedures, 1977.

The Book of the States. Biennial.

State Administrative Officials Classified by Function. Biennial.

State Court Systems, 1978.

International City Management Association, Washington, DC

Baseline Data Reports. Bimonthly.

Compensation '84.

Municipal Year Book.

National Governors' Association and National Association of State Budget Officers, Washington, DC

Budgetary Processes in the States. July 1981.

Fiscal Survey of the States. Annual.

Digitized by Google

State and Local Government—Con.

Other—Con.

National Governors' Association and National Association of State Budget Officers, Washington, DC—Con.

Governors of the American States, Commonwealths, and Territories. Annual.

National Governors' Association and National Conference of State Legislatures, Washington, DC

Impact on the States, The President's 1987 Budget.

Public Securities Association, New York, NY

Statistical Yearbook of Municipal Finance.

Tax Foundation, Inc., Washington, DC

Facts and Figures on Government Finance. Annual.

Stocks and Bonds—*see* Investments.

Stores—*see* Retail and Wholesale Trade *and* Service Establishments.

Tax Collections—*see* Federal Government; *and* State and Local Government.

Telephone and Telegraph Systems—*see* Communications.

Television—*see* Communications.

Trade—*see* Foreign Commerce; Retail and Wholesale Trade; *and* Service Establishments.

Transportation—*see also* Foreign Commerce; *and* Roads

U.S. Government

Army, Corps of Engineers

Waterborne Commerce of the United States (in five parts). Annual.

Bureau of the Census

Census of Transportation. Quinquennial. (1982, most recent.)

Vessel Entrances and Clearances. Annual. (FT 975.)

Bureau of Economic Analysis

Business Statistics: 1984. 1985.

Survey of Current Business. Monthly.

Coast Guard

Marine Safety Statistical Review.

Merchant Vessels of the United States. Annual.

Polluting Incidents In And Around U.S. Waters. Annual.

Transportation—Con.

U.S. Government—Con.

Department of State, Bureau of Consular Affairs

Summary of Passport Statistics. Annual.

Department of Transportation

National Transportation Statistics. Annual.

Transportation Safety Information Report. Quarterly.

U.S. International Air Travel Statistics. Annual.

Federal Aviation Administration

Airport Activity Statistics of Certificated Route Air Carriers. Annual.

Census of U.S. Civil Aircraft. Annual.

FAA Air Traffic Activity. Annual, for fiscal years.

FAA Statistical Handbook of Aviation. Annual.

General Aviation Activity and Avionics Survey. Annual.

U.S. Civil Airman Statistics. Annual.

Federal Highway Administration

Drivers Licenses. Annual.

Highway Statistics. Annual.

Highway Statistics, Summary to 1985. (Published every 10 years.)

Selected Highway Statistics and Charts. Annual.

Interstate Commerce Commission

Class I Freight Railroads Selected Earnings Data. Quarterly.

Large Class I Household Goods Carriers Selected Earnings Data. Quarterly.

Large Class I Motor Carriers of Passengers Selected Earnings Data. Quarterly.

Large Class I Motor Carriers of Property Selected Earnings Data. Quarterly.

Quarterly Report.

Revenue and Traffic of Carriers by Water. Quarterly, with summary for calendar year. (Discontinued in 1979.)

Transport Statistics in the United States. Issued annually in two separate parts:

Part 1: Railroads

Part 2: Motor Carriers

Maritime Administration

Annual Report.

Bulk Carriers in the World Fleet. Annual.

Containerized Cargo Statistics. Annual.

Employment Report of United States Flag Merchant Fleet Ocean-going Vessels 1,000 Gross Tons and Over. Annual. (Monthly and quarterly data available from source.)

Digitized by Google

Transportation—Con.

U.S. Government—Con.

Maritime Administration—Con.

Foreign Flag Merchant Ships Owned by U.S. Parent Companies. Annual.

Maritime Manpower Report. Monthly.

New Ship Construction. Annual.

A Statistical Analysis of the World's Merchant Fleets. Annual.

United States Oceanborne Foreign Trade Routes. Annual.

Research and Special Programs Administration

Air Carrier Financial Statistics. Quarterly.

Air Carrier Industry Scheduled Service Traffic Statistics. Quarterly.

Air Carrier Traffic Statistics. Monthly.

Other

Aerospace Industries Association of America, Washington, DC

Aerospace Economic Indicators. Quarterly.

Aerospace Facts and Figures. Annual.

Net New Orders, Shipments, and Backlog for Jet Transport Aircraft. Quarterly.

Commercial Helicopter Shipments. Quarterly.

Air Transport Association of America, Washington, DC

Air Transport Facts and Figures. Annual. Quarterly Review.

American Bureau of Shipping, Paramus, NJ

The Record. Annual.

American Public Transit Association, Washington, DC

Transit Fact Book. Annual.

Association of American Railroads, Washington, DC

Analysis of Class I Railroads. Annual.

Cars of Revenue Freight Loaded. Weekly with annual summary.

Freight Commodity Statistics, Class I Railroads in the United States. Annual.

Yearbook of Railroad Facts.

Automotive News Almanac (Slocum Publishing Company, Detroit,MI). Annual.

General Aviation Manufacturers Association, Washington, DC

Shipment Report. Monthly and Annual.

Statistical Databook. Annual.

Lake Carriers' Association, Cleveland, OH

Annual Report.

Monthly Bulk Commodities Report.

Transportation—Con.

Other—Con.

Lloyd's Register of Shipping, London, England

Annual Summary of Merchant Ships Completed in the World.

Casualty Returns. Annual. (Statistical summary of all merchant ships totally lost or reported broken up during year.)

Merchant Shipbuilding Returns. Quarterly. (Statistical summary of world shipbuilding.)

Statistical Tables. Annual. (Analysis of world merchant fleet.)

Motor Vehicle Manufacturers Association of the United States, Inc., Detroit, MI

Motor Vehicle Facts and Figures. Annual.

World Motor Vehicle Data. Annual.

National Air Carrier Association, Washington, DC

Annual Report.

Railway Age. (Simmons-Boardman Publishing Corp., New York, NY.) Monthly. (Annual review and outlook issue.)

Regional Airline Association, Washington, DC

Annual Report.

Shipbuilders Council of America, Washington, DC

Annual Report.

Tanker Advisory Center, Inc., New York, NY

Worldwide Tanker Casualty Returns. Quarterly.

Transportation Association of America, Washington, DC

Transportation Facts and Trends. (Discontinued.)

Transportation Policy Associates, Washington, DC

Transportation in America. March, annually with periodic supplements.

Travel—*see* Recreation *and* Transportation.

Unemployment Insurance—*see* Labor; *and* Social Insurance.

Utilities, Public—*see* Communications; Energy; *and* Transportation.

Veterans—*see* National Defense; *and* Population.

Virgin Islands of the United States—*see* Outlying Areas.

Digitized by Google

Vital Statistics—*see also* Accidents; *and* Health

U.S. Government

Centers for Disease Control, Atlanta, GA

Abortion Surveillance. Annual Summary 1979-1980.

Morbidity and Mortality Weekly Report. Annual summary also.

National Center for Health Statistics

Monthly Vital Statistics Report. Provisional Statistics. Annual summary also.

Vital and Health Statistics. (A series of statistical reports covering health-related topics.)

Series 20: Mortality Data. Irregular.

Series 21: Natality, Marriage, and Divorce Data. Irregular.

Series 23: National Survey of Family Growth Statistics. Irregular.

Vital Statistics of the United States. Annual.

Other

The Alan Guttmacher Institute, New York, NY

Abortion Services in the United States, Each State and Metropolitan Area, 1981-1982. 1985.

Family Planning Perspectives. Monthly.

United Nations Statistical Office, New York, NY

Demographic Yearbook.

Population and Vital Statistics Report. (Statistical Papers, Series A.) Quarterly.

Statistical Yearbook.

1977 Supplement to the Statistical Yearbook and the Monthly Bulletin of Statistics, Methodology, and Definitions. 1979.

World Health Organization, Geneva, Switzerland

Annual Epidemiological and Vital Statistics.

Epidemiological and Vital Statistics Report. Monthly.

World Health Statistics. Quarterly and annual.

Vocational Rehabilitation and Education

U.S. Government

Bureau of the Census

Social Indicators, 1980.

Department of Education

Annual Report.

Office of Management and Budget

The Budget of the United States Government. Published annually in a group of five documents; see listing under "Federal Government Finances and Employment."

Rehabilitation Services Administration

Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Year. Annual.

Characteristics of Clients Rehabilitated in Fiscal Year. Annual.

State Vocational Rehabilitation Agency Program Data in Fiscal Year. Annual.

Veterans Administration

Annual Report of Administrator of Veterans Affairs.

Disability Compensation Data. Semiannual.

Disability and Death Pension Data. Semiannual.

Disabled Veterans of the Vietnam Era—Education and Training Under the GI Bill and the Vocational Rehabilitation Program. May 1979.

Employment and Unemployment Among Vietnam Era Veterans—An Analysis of the 1979 National Survey of Veterans. August 1981.

Flight Training Under the GI Bill. September 1980.

Historical Data on the Usage of Educational Benefits: 1944-1983. April 1984.

Office of Information Management and Statistics Monograph—Selected Compensation and Pension Data, by State of Residence. Annual.

Office of Information Management and Statistics Monograph—Veterans Benefits under Current Educational Programs. Annual.

Women Veterans—Use of Educational Benefits Under the GI Bill. September 1981.

Wages and Wage Rates—*see* Labor; *and* Social Insurance.

Wealth—*see* National Income.

Weather—*see* Climate.

Welfare Services—*see* Health; *and* Social Insurance.

Wholesale and Retail Trade—*see* Retail and Wholesale Trade.

Wholesale Prices—*see* Commodity Prices.

Work Relief—*see* Social Insurance.

Work Stoppages—*see* Labor.

Digitized by Google

Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1977 plus those that will be issued in late 1987 or early 1988. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications are approximate.

Alabama

University of Alabama, Center for Business and Economic Research, P.O. Box AK, Tuscaloosa 35487

Economic Abstract of Alabama. 1987. 475 pp.

Alaska

Department of Commerce and Economic Development, Office of Economic Analysis, Pouch D, Juneau 99811

The Alaska Economic and Statistical Review. 1984. 194 pp.

Arizona

Valley National Bank, P.O. Box 71, Phoenix 85001

Arizona Statistical Review. 43d ed. 1987.

University of Arizona, Division of Economic and Business Research, College of Business and Public Administration, Tucson 85721

Arizona Statistical Abstract: A 1979 Data Handbook. 640 pp. (No longer published.)

Arizona Economic Indicators. 52 pp. (Biannual.)

Arkansas

University of Arkansas, Regional Economic Analysis, Lib. 503A, Little Rock 72204

Arkansas State and County Economic Data. 18 pp. (Revised annually.)

California

Department of Finance, Sacramento 95814-4998

California Statistical Abstract, 1987. 225 pp.

Presidio Press, 31 Pamaron Way, Novato 94947

California Almanac, 1986-87. Biennial. 600 pp.

Colorado

Transrep/bibliographics, P.O. Box 22678, Denver 80222

Statistical Abstract of Colorado, 1976-1977, Thomas G. Tyler, editor. 1977. 515 pp.

Connecticut

Connecticut Department of Economic Development, 210 Washington St., Hartford 06106

Connecticut Market Data. 1986. 78 pp. (Out of Print.)

Delaware

Delaware Development Office, P.O. Box 1401, Dover 19903

Delaware Data Book, 1987. 100 pp.

District of Columbia

Office of Planning, Data Services Division, Presidential Bldg., Suite 500, 415 12th St., N.W. 20004

Population Estimates and *Housing Units,* annual.

Office of Policy, Room 208, 1350 Pennsylvania Ave., N.W. 20004

Indices—A Statistical Index to DC Services, 1987. Annual. 253 pp.

Florida

University of Florida, Bureau of Economic and Business Research, Gainesville 32611

Florida Statistical Abstract, 1987. 21st ed. 1987. 706 pp.

National Data Consultants, P.O. Box 6381, Athens, Georgia 30604

Florida County Perspectives: 1987. Annual. 109 pp.

Georgia

University of Georgia, Division of Research, College of Business Administration, Athens 30602

Georgia Statistical Abstract, 1986-87. 1986. 560 pp.

Digitized by Google

Georgia—Con.

University of Georgia, College of Agriculture, Cooperative Extension Service, Athens 30602

The Georgia County Guide. 1987. 6th ed. Annual. 171 pp.

Office of Planning and Budget, 270 Washington St., S.W., Atlanta 30334

Georgia Descriptions in Data. 1987. 175 pp.

Hawaii

Hawaii State Department of Business and Economic Development, P.O. Box 2359, Honolulu 96804

The State of Hawaii Data Book 1987: A Statistical Abstract. 21st ed. 1987. 725 pp.

University of Hawaii Press, Honolulu 96822

Historical Statistics of Hawaii. 1977. 711 pp.

Idaho

Department of Commerce, Room 108, State House, Boise 83720

County Economic Profiles, 1982. (Separate report for each county.)

County Profiles of Idaho, 1987.

University of Idaho, Center for Business Development and Research, Moscow 83843

Idaho Statistical Abstract. 1980. 415 pp. (Out of Print.)

Illinois

University of Illinois, Bureau of Economic and Business Research, 428 Commerce West, 1206 South 6th Street, Champaign 61820

Illinois Statistical Abstract. 1987. 650 pp.

Department of Commerce and Community Affairs, 620 Adams St., Springfield 62701

Illinois State and Regional Economic Data Book—1985. 351 pp.

Indiana

Indiana University, Indiana Business Research Center, School of Business, Bloomington 46223

Indiana Fact Book, 1985. 420 pp.

Iowa

Iowa Department of Economic Development, Research Bureau, 200 East Grand Ave., Des Moines 50309

1987 Statistical Profile of Iowa. 116 pp.

Kansas

University of Kansas, Institute for Public Policy and Business Research, 607 Blake Hall, Lawrence 66045-2960

Kansas Statistical Abstract, 1986-87. 22d ed. 1987.

Kentucky

Department of Economic Development, Capital Plaza Office Tower, Frankfort 40601

Kentucky Economic Statistics. 23d ed. 1987.

Louisiana

University of New Orleans, Division of Business and Economic Research, New Orleans 70148, and Louisiana State Planning Office, Baton Rouge 70804

Statistical Abstract of Louisiana. 7th ed. 1981. 413 pp.

Maine

Maine State Development Office, State House Station 59, Augusta 04333

Maine: A Statistical Summary. (Updated periodically.)

Maryland

Department of Economic and Employment Development, 45 Calvert St., Annapolis 21401

Maryland Statistical Abstract. 1988-89. 272 pp. (Biennial.)

Michigan

Wayne State University, Bureau of Business Research, School of Business Administration, Detroit 48202

Michigan Statistical Abstract. 20th ed. 1986-87. 629 pp.

Minnesota

Blue Sky Marketing, Inc., P.O. Box 17003-G, St. Paul 55117

Minnesota Data Book, 1985-86. 384 pp.

Mississippi

Mississippi State University, College of Business and Industry, Division of Research, Mississippi State 39762

Mississippi Statistical Abstract. 1987. 650 pp.

Digitized by Google

Missouri

University of Missouri, Business and Public Administration Research Center, Columbia 65211

Statistical Abstract for Missouri, 1987.

Montana

Montana Department of Commerce, Census and Economic Information Center, Capitol Station, Helena 59620

Montana Statistical Abstract. 1985. 1st ed. 484 pp.

Montana County Profiles. (Separate county reports updated periodically.)

Nebraska

Department of Economic Development, Division of Research, Box 94666, Lincoln 68509

Nebraska Statistical Handbook. 1986-1987. 305 pp.

Nevada

Office of Community Services, Capitol Complex, Carson City 89710

Nevada Statistical Abstract. 1986. Biennial. 440 pp.

New Hampshire

Office of State Planning, 2 1/2 Beacon St., Concord 03301

Current Estimates and Trends in New Hampshire's Housing Supply. Update: 1986. 22 pp.

Selected Economic Characteristics of New Hampshire Municipalities. September 1983. 12 pp. (Other series available on population estimates and projections, and taxation.)

New Jersey

Office of Demographic and Economic Analysis, CN 388, Trenton 08625-0388

New Jersey Statistical Factbook, 1987. 102 pp.

Office of Economic Policy, 1 West State Street, Trenton 08625

New Jersey Profile, 1984. Triennial. 180 pp.

New Mexico

University of New Mexico, Bureau of Business and Economic Research, Albuquerque 87131

New Mexico Statistical Abstract. 1987.

New York

Energy Association of New York, 111 Washington Avenue, Suite 601, Albany 1221

New York at a Glance, 1986-87. 120 pp.

Nelson Rockefeller Institute of Government, 411 State Street, Albany 12203

New York State Statistical Yearbook, 1986-87. 13th ed. 502 pp.

North Carolina

Office of State Budget and Management, Management and Information Services Section, 116 West Jones Street, Raleigh 27603-8005

North Carolina State Government Statistical Abstract. 1984. 5th ed. 575 pp.

Profile, North Carolina Counties. 7th ed. 1986. 304 pp.

North Dakota

University of North Dakota, Bureau of Business and Economic Research, Grand Forks 58202

The Statistical Abstract of North Dakota. 1988. 670 pp.

Economic Development Commission, Liberty Memorial Bldg., Bismarck 58505

North Dakota Growth Indicators. 1987. 86 pp.

Ohio

Department of Development, Ohio Data Users Center (ODUC), P.O. Box 1001, Columbus 43216

ODUC Products and Services. (Updated continuously.)

Oklahoma

University of Oklahoma, Center for Economic and Management Research, 307 West Brooks Street, Room 4, Norman 73019

Statistical Abstract of Oklahoma, 1986. 500 pp.

Oregon

Secretary of State, State Capitol, Salem 97310

Oregon Blue Book. 1987-1988. 488 pp. (Biennial.)

Digitized by Google

Pennsylvania

Pennsylvania State Data Center, Pennsylvania State University at Harrisburg, Middleton 15057, in cooperation with the Pennsylvania Department of Economic Policy, Planning and Research, Harrisburg 17120

Pennsylvania Statistical Abstract, 1987. 29th ed. 1987. 262 pp.

Rhode Island

Department of Economic Development, 7 Jackson Walkway, Providence 02903

Rhode Island Basic Economic Statistics. 1987. 145 pp.

South Carolina

Budget and Control Board, Division of Research and Statistical Services, R. C. Dennis Building, Room 337, Columbia 29201

South Carolina Statistical Abstract: 1986. 476 pp.

South Dakota

University of South Dakota, Business Research Bureau, Vermillion 57069

Handbook of Manpower Statistics for South Dakota. 294 pp.

South Dakota Community Abstracts. 400 pp.

Tennessee

University of Tennessee, Center for Business and Economic Research, Knoxville 37996-4170

Tennessee Statistical Abstract, 1988. 10th ed. 700 pp. (Annual.)

Texas

Dallas Morning News, Communications Center, Dallas 75265

Texas Almanac, 1988-1989. 1987 640 pp.

University of Texas, Bureau of Business Research, Austin 78712

Texas Fact Book, 1984. 5th ed. 229 pp.

Utah

University of Utah, Bureau of Economic and Business Research, 401 Kendall D. Garff Building, Salt Lake City 84112

1987 Statistical Abstract of Utah. 1987. (Triennial.)

Utah Foundation, 308 Continental Bank Building, Salt Lake City 84101

Statistical Review of Government in Utah. 1987. 101 pp. (To be issued in April 1988.)

Vermont

Office of Policy Research and Coordination, Montpelier 05602

Demographic and Economic Profiles. (Periodically issued.)

Virginia

University of Virginia, Center for Public Service, Dynamics Building, 4th Floor, 2015 Ivy Road, Charlottesville 22903

Virginia Statistical Abstract, 1987. Biennial. 800 pp.

Washington

Washington State Office of Financial Management, Insurance Building M. S. AQ-44, Olympia 98504

Washington State Data Book, 1987. 300 pp.

Washington Research Council, 906 South Columbia, Suite 350, Olympia 98501

How Washington Compares: State and Local Revenue and Expenditures. October 1986. 180 pp.

West Virginia

West Virginia Chamber of Commerce, P.O. Box 2789, Charleston 25330

West Virginia: Economic-Statistical Profile, 1987. 750 pp.

West Virginia Research League, Inc., 1107 Charleston National Plaza, Charleston 25301

Economic Indicators. 1987. 110 pp.

The 1987 Statistical Handbook. 82 pp.

Wisconsin

Wisconsin Legislative Reference Bureau, State Capitol, Madison 53702

1987-1988 Wisconsin Blue Book. 1,000 pp. (Biennial.)

Wyoming

Department of Administration and Fiscal Control, Division of Research and Statistics, 302 Emerson Building, Cheyenne 82002

Wyoming Data Handbook, 1987. 186 pp.

Puerto Rico

Planning Board, Area of Social and Economic Planning, Bureau of Economic Analysis, Bureau of Statistics and Bureau of Human Resources, Santurce 00940

Economic Report to the Governor, 1986. (In Spanish.)

Historic Series of Employment, Unemployment and Labor Force, 1984. 202 pp. (In Spanish.)

Social Statistics Abstract, 1984. 184 pp. (In Spanish.)

Digitized by Google

Guide to Foreign Statistical Abstracts

This bibliography presents recent statistical abstracts for Mexico, the Soviet Union, and member nations of the Organization for Economic Cooperation and Development. All sources contain statistical tables on a variety of subjects for the individual countries. Many of the following publications provide text in English as well as in the national language(s). For further information on these publications, contact the named statistical agency which is responsible for editing the publication.

Austria

Osterreichisches Statistisches Zentralamt, P.O. Box 9000, A-1033 Vienna

Statistisches Handbuch fur die Republik Osterreich. 1986. Annual. 664 pp. (In German.)

Australia

Australian Bureau of Statistics, Canberra

Yearbook Australia. 1986. Annual. 705 pp. (In English.)

Belgium

Institut National de Statistique, 44 rue de Louvain, 1000 Brussels

Annuaire statistique de la Belgique. 1983. Annual. 783 pp. (In French and Dutch.)

Canada

Statistics Canada, Ottawa, Ontario, KIA OT6

Canada Yearbook: A review of economic, social and political developments in Canada. 1988. Irregular. (In English and French.)

Denmark

Danmarks Statistik, Postboks 2550 Sejrogade 11, DK 2100, Copenhagen 0

Statistical Yearbook. 1986. Annual. 667 pp. (In Danish with English translations of table headings.)

Finland

Tilastokeskus, Helsinki

Statistical Yearbook of Finland. 1985-86. Annual. 562 pp. (In English, Finnish, and Swedish.)

France

Institut National de la Statistique et des Etudes Economiques, Paris

Annuaire Statistique de la France. 1986. Annual. 903 pp. (In French.)

Greece

National Statistical Office, 14 Lycourgou St., Athens

Statistical Yearbook of Greece. 1985. Annual. 484 pp. (In English and Greek.)

Iceland

Hagstofa Islands/Statistical Bureau, Hverfisgata 8-10, Reykjavik.

Statistical Abstract of Iceland. 1984. Irregular. 286 pp. (In English and Icelandic.)

Ireland

Central Statistics Office

Statistical Abstract of Ireland. 1985. Annual. 386 pp. (In English.)

Italy

ISTAT (Istituto Centrale di Statistica), Via Cesare Balbo 16, 00100 Rome

Annuario Statistico Italiano. 1986. Annual. 423 pp. (In Italian.)

Japan

Statistics Bureau, Management & Coordination Agency, Tokyo, Japan

Japan Statistical Yearbook. 1985. Annual. 836 pp. (In English and Japanese.)

Luxembourg

STATEC (Service Central de la Statistique et des Etudes), P.O. Box 304, L-2013, Luxembourg

Annuaire Statistique. 1986-87. Annual. 460 pp. (In French.)

Mexico

Instituto Nacional de Estadistica Geografia e Informatica, Mexico City

Anuario estadistico de los Estados Unidos Mexicanos. 1984. Annual. 520 pp. (In Spanish.)

Digitized by Google

ɪtherlands

Centraal Bureau voor de Statistiek, The Hague

*Statistical Yearbook of the Netherlands.*1986. Annual. 428 pp. (In English.)

ıw Zealand

Department of Statistics, Wellington

*New Zealand Official Yearbook.*1986-87. Annual. 1,074 pp. (In English.)

ırway

Central Bureau of Statistics, Oslo

*Statistisk Arbok.*1985. Annual. 518 pp. (In English and Norwegian.)

rtugal

NE (Instituto Nacional de Estatistica), Avenida Antonio Josede Almeida, 1078 Lisbon

*Anuario estatistico; continente, Acores e Madeira.*1986. Annual. 275 pp. (In French and Portugese.)

ıiet Union

Central Statistical Board, Moscow

Narodnoe Khoziaistvo SSSR: Statisticheskii ezhegodnik. 1985. Annual. 607 pp. (In Russian.)

ain

NE (Instituto Nacional de Estadistica), Paseo de la Castellana 183, Madrid 16

*Anuario estadistico de Espana.*1985. Annual. 800 pp. (In Spanish.)

Sweden

Statistics Sweden, S-11581 Stockholm

*Statistical Abstract of Sweden.*1985. Annual. 580 pp. (In English and Swedish.)

Switzerland

Bundesamt fur Statistik, Hallwylstrasse 15, CH-3003, Bern

*Statistisches Jahrbuch der Schweiz.*1986. Annual. 658 pp. (In French and German.)

Turkey

State Institute of Statistics, 114 Necatibey Caddesi, Bakanliklar, Yenisehir, Ankara

*Statistical Yearbook of Turkey.*1983. Published on odd numbered years. 465 pp. (In English and Turkish.)

*Statistical Pocketbook of Turkey.*1982. Published on even numbered years. 287 pp. (In English and Turkish.)

United Kingdom

Central Statistical Office, Great George Street, London SW1P 3AQ

*Annual Abstract of Statistics.*1987. Annual. 340 pp. (In English.)

West Germany

Statistische Bundesamt, Wiesbaden

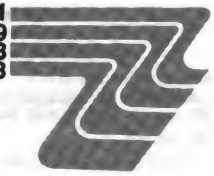
Statistisches Jahrbuch fur die Bundesrepublik Deutschland. 1986. Annual. 776 pp. (In German.)

Yugoslavia

Savezni Zavod za Statistiku, P.O. Box 203, 11000 Belgrade

*Statisticki godisnjak Jugoslavije.*1986. Annual. 788 pp. (In Serbo-Croatian with English, French, and Russian translations of table headings.)

Digitized by Google



Appendix II

Metropolitan Area Concepts and Components and Population of Metropolitan Statistical Areas

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Management and Budget (OMB) as standard metropolitan statistical areas (SMSA's) or metropolitan statistical areas (MSA's). Effective June 30, 1983, OMB changed the basic term from SMSA to MSA and revised the geographic definitions of many individual metropolitan areas; some new areas were defined, and some areas were redesignated as PMSA's or CMSA's (see further explanation below). The revised definitions appear in OMB press release 83-20 of June 27, 1983. The official standards for defining MSA's appeared in the Federal Register, January 3, 1980 (part 6). Revisions of MSA definitions were made by OMB effective 1984, 1985, 1986, and 1987, mainly to add newly qualified MSA's or central cities.

The list of areas which follows (see p. 875) specifies components and population totals and refers to the definitions in effect on June 30, 1987. On that date, there were 265 MSA's, as well as 21 CMSA's comprising 73 PMSA's (including 4 MSA's, 1 CMSA, and 2 PMSA's in Puerto Rico). The figures in tables A, B, and C below (see pp. 873 and 874), exclude the areas in Puerto Rico.

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. Standard definitions of metropolitan statistical areas were first issued in 1949 by the then Bureau of the Budget (predecessor of OMB), under the designation, "Standard Metropolitan Areas"; the term was changed to SMSA in 1959. From 1977 to 1981, the SMSA's were the responsibility of the Office of Federal Statistical Policy and Standards, Department of Commerce.

The criteria for the establishment and definition of SMSA's were modified in 1958, 1971, and 1975. The current standards were adopted in January 1980; they provide that each MSA must include at least:

(a) One city with 50,000 or more inhabitants, or

(b) A Census Bureau-defined urbanized area of at least 50,000 inhabitants *and* a total MSA population of at least 100,000 (75,000 in New England).

The standards provide that the MSA include as "central county(ies)" the county in which the central city is located, and adjacent counties, if any, with at least 50 percent of their population in the urbanized area. Additional "outlying counties" are included if they meet specified requirements of commuting to the central counties and of metropolitan character (such as population density and percent urban). In New England the MSA's are defined in terms of cities and towns rather than counties.

The 1980 standards provide that within metropolitan complexes of 1 million or more population, separate component areas are defined if specified criteria are met. Such areas are designated primary metropolitan statistical areas (PMSA's); and any area containing PMSA's is designated a consolidated metropolitan statistical area (CMSA). Besides the 21 CMSA's, there are 17 MSA's of 1 million or more in 1986 within which no component PMSA's are established. Of the 73 PMSA's, most were formerly SMSA's, but some were newly established in 1983.

Of the 21 CMSA's most were previously recognized as standard consolidated statistical areas (SCSA's), but 5 were formerly SMSA's within which PMSA's were newly qualified in 1983.

The standards adopted in 1980 were implemented in two stages. First, they were used to define a group of 36 new areas in June 1981. The 323 SMSA's as of June 30, 1981 were reported in the 1980 census tabulations and publications. Next, the boundaries of all SMSA's were reviewed in 1982-83 under the new standards after 1980 commuting data became available.

Revised 1980 standards for determining central cities and titles were implemented as part of the 1982-83 review. The largest city in each MSA is designated a "central city"; in addition there may be additional central cities if specified requirements are met. The title of each MSA consists of the name(s) of up to three of its central cities and the name of each State into which the MSA extends. However, a central city generally is not included in an MSA title unless it has at least one-third the population of the area's largest city. Prior to 1983, virtually all central cities appeared in area titles. An MSA may include other cities of 50,000 or more besides its central or title cities.

Digitized by Google

One report relating to the new MSA definitions has been published as *1980 Census of Population, Supplementary Report, Metropolitan Statistical Areas* (PC80–S1–18). The *State and Metropolitan Area Data Book, 1986* presents 298 data items for metropolitan areas from a wide variety of sources (see inside back cover).

New England MSA's and NECMA's.—Because MSA's in New England are defined in terms of cities and towns rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England MSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and MSA's wherever possible. The NECMA's provide a county version of the New England areas, but do not replace New England MSA's as the standard areas. NECMA's are defined corresponding to the 3 CMSA's in New England and for the portion of the New York–Northern New Jersey–Long Island CMSA in Connecticut. There are no NECMA definitions corresponding to New England PMSA's.

Effect of changes in MSA definition.—Changes in the definitions of MSA's since 1949 have consisted chiefly of (1) the recognition of new areas as, for example, cities reached 50,000 population; and (2) the addition of counties (or towns in New England) to existing MSA's as new census data showed them to qualify. Also, several formerly separate MSA's have been merged, and occasionally territory has been transferred from one MSA to another or from an MSA to nonmetropolitan territory. Comparisons of MSA figures over time may be affected in cases where the MSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume where possible, to reflect the MSA boundaries of the more recent period. However, this could not always be done; for data based on a sample survey, in particular, it is usually not possible to revise the data to reflect changes in MSA definitions that occurred after the survey was made.

In tables A, B, and C that follow, data are given for MSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987

[The differences in population shown here for each year in the successive columns of the table result entirely from net expansion of metropolitan territory through changes in the MSA definitions. The differences in population shown for each MSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in MSA definitions. The changes in 1980 land area result entirely from net expansion of MSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the MSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included subtractions from, as well as additions to, MSA territory. Census population data for 1970 include corrections made since publication. The area data for the 1950 and 1960 census definitions of MSA's differ from the data published in those censuses because they are based on a remeasurement of land areas made during the 1960's, and also reflect changes in inland water area occurring up to 1970]

MSA DEFINITION AS OF—	Number of MSA's	POPULATION					Land area, 1980 (sq. mi.)
		1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1986, July 1	
1950 census (Mar. 1952)	169	[1] 84,853,700	106,344,548	122,184,836	128,839,422	135,796,592	207,146
1960 census (Nov. 1960)	212	89,316,903	[2] 112,885,139	130,982,661	140,793,427	149,625,595	309,112
1964 (Aug. 31) [3]	217	91,644,188	115,878,343	134,700,911	145,503,863	154,902,292	348,861
1968 (Jan. 31) [4]	230	93,629,986	118,413,604	137,976,252	149,811,057	159,630,008	377,581
1970 census (Feb. 28, 1971)	243	94,579,008	[5] 119,593,498	[6] 139,479,806	151,662,221	161,682,222	386,886
1974 (Apr. 30) [7]	265	[8] 100,219,707	[9] 126,613,710	148,196,993	162,753,335	173,621,663	491,249
1977 (Dec. 31) [10]	277	101,109,145	127,674,818	149,482,664	164,383,496	175,929,540	510,581
1980 census (June 30, 1981)	318	104,172,853	131,316,714	153,693,767	169,430,623	181,188,438	566,157
1983 (June 30)	[11] 275	105,214,181	132,633,988	155,410,542	171,776,970	184,020,380	560,900
1984 (Oct. 12)	[11] 277	105,269,298	132,707,748	155,519,340	171,955,900	184,265,568	564,908
1985 (June 30)	[11] 280	105,411,141	132,886,747	155,700,823	[12] 172,169,456	184,494,926	570,933
1986 (June 30)	[11] 281	105,480,824	132,977,193	155,805,452	172,304,018	184,658,470	572,871
1987 (June 30)	[11] 281	105,502,622	133,003,058	155,832,686	172,334,547	184,689,318	573,412

[1] Corresponds to total MSA population for 1950 published in 1950 census (84,500,680) plus Honolulu MSA. [2] Corresponds to total MSA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus MSA). [3] MSA's as defined for the 1963 economic censuses. [4] MSA's as defined for the 1967 economic censuses. [5] Corresponds to total 1960 population for 1970 MSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence Haverhill MSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals. [6] Corresponds to total MSA population for 1970 published in 1970 census (139,418,811), plus net corrections made subsequent to publication. [7] MSA's as defined for the 1972 economic censuses. [8] Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970. [9] Includes 1960 population (82,833) of Anchorage Census Division, as defined in 1970. [10] MSA's as defined for the 1977 economic censuses. [11] MSA's and CMSA's. [12] Uncorrected figure.

Source: U.S. Bureau of the Census, 1950–1970, *U.S. Census of Population*, vol. 1; *1980 Census of Population*, vol. 1, chapters A and B and *Supplementary Report, Metropolitan Statistical Areas* (PC80–S1–18); and *Current Population Reports*, series P–25, 86–REGION–SC (five regional reports).

Digitized by Google

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987

[See headnote for table A, p. 873. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within MSA's at the dates specified]

MSA DEFINITION AS OF—	POPULATION					Land area, 1980 (sq. mi.)
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1986, July 1	
1950 census (Mar. 1952)	66,472,098	72,978,627	81,117,195	97,706,383	105,212,784	3,392,140
1960 census (Nov. 1960)	62,008,895	66,438,036	72,319,370	85,752,378	91,383,781	3,298,177
1964 (Aug. 31)	59,681,610	63,446,832	68,601,120	81,041,942	86,107,084	3,190,439
1968 (Jan. 31)	57,695,812	60,909,571	65,325,779	76,734,748	81,379,368	3,161,700
1970 census (Feb. 28, 1971)	56,746,790	59,729,677	63,822,225	74,883,584	79,327,154	3,152,488
1974 (Apr. 30)	51,016,091	52,709,465	55,103,038	63,792,470	67,387,713	3,048,048
1977 (Dec. 31)	50,215,653	51,648,357	53,819,367	62,162,309	65,079,836	3,028,705
1980 census (June 30, 1981)	47,152,945	48,004,461	49,608,264	57,115,182	59,820,938	2,973,139
1983 (June 30)	46,111,617	46,689,187	47,891,489	54,768,835	56,968,996	2,916,389
1984 (Oct. 12)	46,056,500	46,615,427	47,782,691	54,589,905	56,743,808	2,914,369
1985 (June 30)	45,914,657	46,436,428	47,601,208	54,376,349	56,514,450	2,908,358
1986 (June 30)	45,844,874	46,345,982	47,496,579	54,241,789	56,350,906	2,906,433
1987 (June 30)	45,823,176	46,320,117	47,469,343	54,211,258	56,320,058	2,906,187

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE MSA'S AS DEFINED AT SPECIFIED DATES FROM 1950 TO 1987

[See headnote for table A, p. 873]

MSA DEFINITION AS OF—	PERCENT OF POPULATION					Percent of land area, 1980
	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1980, Apr. 1	1986, July 1	
1950 census (Mar. 1952)	56.1	59.3	60.1	56.9	56.3	5
1960 census (Nov. 1960)	59.0	63.0	64.4	62.2	62.1	8
1964 (Aug. 31)	60.6	64.6	66.3	64.2	64.3	9
1968 (Jan. 31)	61.9	66.0	67.9	66.1	66.2	10
1970 census (Feb. 28, 1971)	62.5	66.7	68.6	67.0	67.1	10
1974 (Apr. 30)	66.2	70.6	72.9	71.8	72.0	12
1977 (Dec. 31)	66.8	71.2	73.5	72.6	73.0	14
1980 census (June 30, 1981)	68.8	73.2	75.6	74.8	75.2	16
1983 (June 30)	69.5	74.0	76.4	75.8	76.4	17
1984 (Oct. 12)	69.6	74.0	76.5	75.9	76.5	18
1985 (June 30)	69.7	74.1	76.6	76.0	76.6	18
1986 (June 30)	69.7	74.2	76.6	76.1	76.6	18
1987 (June 30)	69.7	74.2	76.7	76.1	76.6	18

Source of tables B and C: U.S. Bureau of the Census. 1950–1970, *U.S. Census of Population*, vol. I, *1980 Census of Population*, vol. 1, chapters A and B, and *Supplementary Report, Metropolitan Statistical Areas*, (PC80-S1-18), and *Current Population Reports*, series P-25, 86-REGION-SC (five regional reports).

New England County Metropolitan Areas (NECMA'S)

	1986 Population [1] (1,000)
Bangor, ME	**138**
Penobscot County	138
Boston-Lawrence-Salem-Lowell-Brockton, MA	**3,705**
Essex County	649
Middlesex County	1,367
Norfolk County	603
Plymouth County	424
Suffolk County	661
Bridgeport-Stamford-Norwalk-Danbury, CT	**821**
Fairfield County	821
Burlington, VT	**130**
Chittenden County	125
Grand Isle County	5
Hartford-New Britain-Middletown-Bristol, CT	**1,083**
Hartford County	825
Middlesex County	[illegible]
Tolland County	[illegible]
Lewiston-Auburn, ME	**101**
Androscoggin County	101
Manchester-Nashua, NH	**314**
Hillsborough County	314
New Bedford-Fall River-Attleboro, MA	**485**
Bristol County	485
New Haven-Waterbury-Meriden, CT	**779**
New Haven County	779
New London-Norwich, CT	**246**
New London County	246
Pittsfield, MA	**141**
Berkshire County	141
Portland, ME	**229**
Cumberland County	229
Portsmouth-Dover-Rochester, NH	**318**
Rockingham County	222
Strafford County	94
Providence-Pawtucket-Woonsocket, RI	**890**
Bristol County	48
Kent County	159
Providence County	582
Washington County	101
Springfield, MA	**586**
Hampden County	445
Hampshire County	141
Worcester-Fitchburg-Leominster, MA	**661**
Worcester County	661

[1] As of July 1.

Source: U.S. Bure[illegible]ent P[illegible]orts, series P-26, No. 86-A; press re[illegible]ase (CB87-116)

APPENDIX II

Metropolitan Statistical Areas and their Components as of June 30, 1987

[Population estimated as of **July 1, 1986.** All MSA's are arranged alphabetically. For relationship of PMSA's to their CMSA's, see CMSA entry]

	1986 Population (1,000)
Abilene, TX MSA	**126**
Taylor County	126
Akron, OH PMSA	**645**
Portage County	137
Summit County	508
Albany, GA MSA	**117**
Dougherty County	103
Lee County	14
Albany-Schenectady-Troy, NY MSA	**844**
Albany County	283
Greene County	42
Montgomery County	52
Rensselaer County	152
Saratoga County	164
Schenectady County	150
Albuquerque, NM MSA	**474**
Bernalillo County	474
Alexandria, LA MSA	**140**
Rapides Parish	140
Allentown-Bethlehem, PA-NJ MSA	**657**
Carbon County, PA	54
Lehigh County, PA	281
Northampton County, PA	234
Warren County, NJ	87
Altoona, PA MSA	**132**
Blair County	132
Amarillo, TX MSA	**195**
Potter County	107
Randall County	89
Anaheim-Santa Ana, CA PMSA	**2,167**
Orange County	2,167
Anchorage, AK MSA	**235**
Anchorage Borough	235
Anderson, IN MSA	**133**
Madison County	133
Anderson, SC MSA	**141**
Anderson County	141
Ann Arbor, MI PMSA	**266**
Washtenaw County	266
Anniston, AL MSA	**124**
Calhoun County	124
Appleton-Oshkosh-Neenah, WI MSA	**307**
Calumet County	35
Outagamie County	136
Winnebago County	136
Asheville, NC MSA	**170**
Buncombe County	170
Athens, GA MSA	**141**
Clarke County	79
Jackson County	28
Madison County	20
Oconee County	15
Atlanta, GA MSA	**2,561**
Barrow County	26
Butts County	16
Cherokee County	74
Clayton County	170
Cobb County	392
Coweta County	46
De Kalb County	529
Douglas County	68
Fayette County	47
Forsyth County	38
Fulton County	623
Gwinnett County	277
Henry County	47
Newton County	40
Paulding County	33
Rockdale County	47
Spalding County	53
Walton County	34
Atlantic City, NJ MSA	**297**
Atlantic County	205
Cape May County	92
Augusta, GA-SC MSA	**390**
Columbia County, GA	56
McDuffie County, GA	20
Richmond County, GA	195
Aiken County, SC	119
Aurora-Elgin, IL PMSA	**343**
Kane County	306
Kendall County	37
Austin, TX MSA	**726**
Hays County	61
Travis County	551
Williamson County	115
Bakersfield, CA MSA	**494**
Kern County	494
Baltimore, MD MSA	**2,280**
Anne Arundel County	406
Baltimore County	670
Carroll County	112
Harford County	158
Howard County	151
Queen Anne's County	30
Baltimore city	753
Bangor, ME MSA	**83**
Penobscot County (pt.)	81
Waldo County (pt.)	3
Baton Rouge, LA MSA	**546**
Ascension Parish	59
East Baton Rouge Parish	393
Livingston Parish	73
West Baton Rouge Parish	21
Battle Creek, MI MSA	**137**
Calhoun County	137
Beaumont-Port Arthur, TX MSA	**376**
Hardin County	43
Jefferson County	250
Orange County	83
Beaver County, PA PMSA	**193**
Beaver County	193
Bellingham, WA MSA	**114**
Whatcom County	114
Benton Harbor, MI MSA	**164**
Berrien County	164
Bergen-Passaic, NJ PMSA	**1,298**
Bergen County	837
Passaic County	461
Billings, MT MSA	**120**
Yellowstone County	120
Biloxi-Gulfport, MS MSA	**204**
Hancock County	32
Harrison County	173
Binghamton, NY MSA	**262**
Broome County	211
Tioga County	51
Birmingham, AL MSA	**911**
Blount County	39
Jefferson County	676
St. Clair County	50
Shelby County	81
Walker County	66
Bismarck, ND MSA	**86**
Burleigh County	60
Morton County	26
Bloomington, IN MSA	**102**
Monroe County	102
Bloomington-Normal, IL MSA	**123**
McLean County	123
Boise City, ID MSA	**194**
Ada County	194
Boston, MA PMSA	**2,824**
Bristol County (pt.)	38
Essex County (pt.)	119
Middlesex County (pt.)	1,119
Norfolk County (pt.)	591
Plymouth County (pt.)	227
Suffolk County	661
Worcester County (pt.)	66
Boston-Lawrence-Salem, MA-NH CMSA	**4,056**
Boston, MA PMSA	2,824
Brockton, MA PMSA	188
Lawrence-Haverhill, MA-NH PMSA	368
Lowell, MA-NH PMSA	254
Nashua, NH PMSA	163
Salem-Gloucester, MA PMSA	259
Boulder-Longmont, CO PMSA	**214**
Boulder County	214
Bradenton, FL MSA	**177**
Manatee County	177
Brazoria, TX PMSA	**189**
Brazoria County	189
Bremerton, WA MSA	**169**
Kitsap County	169

Digitized by Google

[See headnote, p. 875]

	1986 Population (1,000)
Bridgeport-Milford, CT PMSA	444
Fairfield County (pt.)	336
New Haven County (pt.)	108
Bristol, CT PMSA	76
Hartford County (pt.)	65
Litchfield County (pt.)	11
Brockton, MA PMSA	188
Bristol County (pt.)	19
Norfolk County (pt.)	5
Plymouth County (pt.)	164
Brownsville-Harlingen, TX MSA	257
Cameron County	257
Bryan-College Station, TX MSA	121
Brazos County	121
Buffalo, NY PMSA	965
Erie County	965
Buffalo-Niagara Falls, NY CMSA	1,182
Buffalo, NY PMSA	965
Niagara Falls, NY PMSA	217
Burlington, NC MSA	102
Alamance County	102
Burlington, VT MSA	125
Chittenden County (pt.)	118
Franklin County (pt.)	3
Grand Isle County (pt.)	3
Canton, OH MSA	400
Carroll County	27
Stark County	374
Casper, WY MSA	71
Natrona County	71
Cedar Rapids, IA MSA	169
Linn County	169
Champaign-Urbana-Rantoul, IL MSA	171
Champaign County	171
Charleston, SC MSA	486
Berkeley County	124
Charleston County	286
Dorchester County	76
Charleston, WV MSA	266
Kanawha County	224
Putnam County	42
Charlotte-Gastonia-Rock Hill, NC–SC MSA	1,065
Cabarrus County, NC	92
Gaston County, NC	171
Lincoln County, NC	46
Mecklenburg County, NC	451
Rowan County, NC	105
Union County, NC	80
York County, SC	121
Charlottesville, VA MSA	121
Albemarle County	61
Fluvanna County	11
Greene County	9
Charlottesville city	41
Chattanooga, TN–GA MSA	426
Hamilton County, TN	284
Marion County, TN	25
Sequatchie County, TN	9
Catoosa County GA	39
Dade County, GA	12
Walker County, GA	56
Cheyenne, WY MSA	75
Laramie County	75
Chicago, IL PMSA	6,188
Cook County	5,298
Du Page County	728
McHenry County	162
Chicago-Gary-Lake County (IL), IL–IN–WI CMSA	8,116
Aurora-Elgin, IL PMSA	343
Chicago, IL PMSA	6,188
Gary-Hammond, IN PMSA	615
Joliet, IL PMSA	370
Kenosha, WI PMSA	120
Lake County, IL PMSA	480
Chico, CA MSA	167
Butte County	187
Cincinnati, OH–KY–IN PMSA	1,419
Clermont County, OH	141
Hamilton County, OH	865
Warren County, OH	105
Boone County, KY	52
Campbell County, KY	82
Kenton County, KY	138
Dearborn County, IN	37
Cincinnati-Hamilton, OH–KY–IN CMSA	1,890
Cincinnati, OH–KY–IN PMSA	1,419
Hamilton-Middletown, OH PMSA	271
Clarksville-Hopkinsville, TN–KY MSA	154
Montgomery County, TN	91
Christian County, KY	63
Cleveland, OH PMSA	1,860
Cuyahoga County	1,445
Geauga County	78
Lake County	212
Medina County	117
Cleveland-Akron-Lorain, OH CMSA	2,766
Akron, OH PMSA	645
Cleveland, OH PMSA	1,860
Lorain-Elyria, OH PMSA	271
Colorado Springs, CO MSA	380
El Paso County	380
Columbia, MO MSA	106
Boone County	106
Columbia, SC MSA	445
Lexington County	170
Richland County	275
Columbus, GA–AL MSA	251
Chattahoochee County, GA	21
Muscogee County, GA	181
Russell County, AL	49
Columbus, OH MSA	1,299
Delaware County	59
Fairfield County	97
Franklin County	907
Licking County	125
Madison County	35
Pickaway County	45
Union County	31
Corpus Christi, TX MSA	363
Nueces County	302
San Patricio County	62
Cumberland, MD–WV MSA	102
Allegany County, MD	74
Mineral County, WV	28
Dallas, TX PMSA	2,4[illegible]
Collin County	[illegible]
Dallas County	1,8[illegible]
Denton County	[illegible]
Ellis County	[illegible]
Kaufman County	[illegible]
Rockwall County	[illegible]
Dallas-Fort Worth, TX CMSA	3,8[illegible]
Dallas, TX PMSA	2,4[illegible]
Fort Worth-Arlington, TX PMSA	1,2[illegible]
Danbury, CT PMSA	[illegible]
Fairfield County (pt.)	[illegible]
Litchfield County (pt.)	[illegible]
Danville, VA MSA	[illegible]
Pittsylvania County	[illegible]
Danville city	[illegible]
Davenport-Rock Island-Moline, IA–IL MSA	[illegible]
Scott County, IA	[illegible]
Henry County, IL	[illegible]
Rock Island County, IL	[illegible]
Dayton-Springfield, OH MSA	[illegible]
Clark County	[illegible]
Greene County	[illegible]
Miami County	[illegible]
Montgomery County	[illegible]
Daytona Beach, FL MSA	[illegible]
Volusia County	[illegible]
Decatur, IL MSA	[illegible]
Macon County	[illegible]
Denver, CO PMSA	1,[illegible]
Adams County	[illegible]
Arapahoe County	[illegible]
Denver County	[illegible]
Douglas County	[illegible]
Jefferson County	[illegible]
Denver-Boulder, CO CMSA	1,[illegible]
Boulder-Longmont, CO PMSA	[illegible]
Denver, CO PMSA	1,[illegible]
Des Moines, IA MSA	[illegible]
Dallas County	[illegible]
Polk County	[illegible]
Warren County	[illegible]
Detroit, MI PMSA	4,[illegible]
Lapeer County	[illegible]
Livingston County	[illegible]
Macomb County	[illegible]
Monroe County	[illegible]
Oakland County	[illegible]
St. Clair County	[illegible]
Wayne County	[illegible]
Detroit-Ann Arbor, MI CMSA	4,[illegible]
Ann Arbor, MI PMSA	[illegible]
Detroit, MI PMSA	4,[illegible]
Dothen, AL MSA	[illegible]
Dale County	[illegible]
Houston County	[illegible]
Dubuque, IA MSA	[illegible]
Dubuque County	[illegible]
Duluth, MN–WI MSA	[illegible]
St. Louis County, MN	[illegible]
Douglas County, WI	[illegible]
Eau Claire, WI MSA	[illegible]
Chippewa County	[illegible]
Eau Claire County	[illegible]

Digitized by Google

[See headnote, p. 875]

	1986 Population (1,000)
El Paso, TX MSA	**561**
El Paso County	561
Elkhart-Goshen, IN MSA	**146**
Elkhart County	146
Elmira, NY MSA	**91**
Chemung County	91
Enid, OK MSA	**63**
Garfield County	63
Erie, PA MSA	**279**
Erie County	279
Eugene-Springfield, OR MSA	**263**
Lane County	263
Evansville, IN-KY MSA	**281**
Posey County, IN	26
Vanderburgh County, IN	168
Warrick County, IN	45
Henderson County, KY	42
Fall River, MA-RI PMSA	**158**
Bristol County, MA (pt.)	140
Newport County, RI (pt.)	17
Fargo-Moorhead, ND-MN MSA	**145**
Cass County, ND	97
Clay County, MN	48
Fayetteville, NC MSA	**259**
Cumberland County	259
Fayetteville-Springdale, AR MSA	**107**
Washington County	107
Fitchburg-Leominster, MA MSA	**96**
Middlesex County (pt.)	3
Worcester County (pt.)	94
Flint, MI MSA	**435**
Genesee County	435
Florence, AL MSA	**138**
Colbert County	54
Lauderdale County	83
Florence, SC MSA	**116**
Florence County	116
Fort Collins-Loveland, CO MSA	**175**
Larimer County	175
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	**1,142**
Broward County	1,142
Fort Myers-Cape Coral, FL MSA	**279**
Lee County	279
Fort Pierce, FL MSA	**206**
Martin County	85
St. Lucie County	120
Fort Smith, AR-OK MSA	**176**
Crawford County, AR	42
Sebastian County, AR	99
Sequoyah County, OK	35
Fort Walton Beach, FL MSA	**141**
Okaloosa County	141
Fort Wayne, IN MSA	**358**
Allen County	295
De Kalb County	34
Whitley County	27
Fort Worth-Arlington, TX PMSA	**1,254**
Johnson County	92
Parker County	60
Tarrant County	1,102
Fresno, CA MSA	**588**
Fresno County	588
Gadsden, AL MSA	**102**
Etowah County	102
Gainesville, FL MSA	**200**
Alachua County	178
Bradford County	24
Galveston-Texas City, TX PMSA	**215**
Galveston County	215
Gary-Hammond, IN PMSA	**615**
Lake County	492
Porter County	123
Glens Falls, NY MSA	**112**
Warren County	56
Washington County	57
Grand Forks, ND MSA	**69**
Grand Forks County	69
Grand Rapids, MI MSA	**649**
Kent County	478
Ottawa County	171
Great Falls, MT MSA	**79**
Cascade County	79
Greeley, CO MSA	**135**
Weld County	135
Green Bay, WI MSA	**187**
Brown County	187
Greensboro-Winston-Salem-High Point, NC MSA	**899**
Davidson County	118
Davie County	29
Forsyth County	260
Guilford County	326
Randolph County	99
Stokes County	36
Yadkin County	30
Greenville-Spartanburg, SC MSA	**606**
Greenville County	306
Pickens County	88
Spartanburg County	213
Hagerstown, MD MSA	**114**
Washington County	114
Hamilton-Middletown, OH PMSA	**271**
Butler County	271
Harrisburg-Lebanon-Carlisle, PA MSA	**577**
Cumberland County	190
Dauphin County	237
Lebanon County	112
Perry County	39
Hartford, CT PMSA	**739**
Hartford County (pt.)	614
Litchfield County (pt.)	8
Middlesex County (pt.)	6
New London County (pt.)	9
Tolland County (pt.)	101
Hartford-New Britain-Middletown, CT CMSA	**1,044**
Bristol, CT PMSA	78
Hartford, CT PMSA	739
Middletown, CT PMSA	84
New Britain, CT PMSA	144
Hickory, NC MSA	**218**
Alexander County	27
Burke County	76
Catawba County	114
Honolulu, HI MSA	**817**
Honolulu County	817
Houma-Thibodaux, LA MSA	**189**
Lafourche Parish	87
Terrebonne Parish	102
Houston, TX PMSA	**3,231**
Fort Bend County	195
Harris County	2,798
Liberty County	55
Montgomery County	160
Waller County	23
Houston-Galveston-Brazoria, TX CMSA	**3,634**
Brazoria, TX PMSA	189
Galveston-Texas City, TX PMSA	215
Houston, TX PMSA	3,231
Huntington-Ashland, WV-KY-OH MSA	**328**
Cabell County, WV	105
Wayne County, WV	45
Boyd County, KY	53
Carter County, KY	25
Greenup County, KY	38
Lawrence County, OH	62
Huntsville, AL MSA	**234**
Madison County	234
Indianapolis, IN MSA	**1,213**
Boone County	38
Hamilton County	94
Hancock County	45
Hendricks County	74
Johnson County	83
Marion County	785
Morgan County	53
Shelby County	39
Iowa City, IA MSA	**85**
Johnson County	85
Jackson, MI MSA	**144**
Jackson County	144
Jackson, MS MSA	**392**
Hinds County	260
Madison County	50
Rankin County	82
Jackson, TN MSA	**78**
Madison County	78
Jacksonville, FL MSA	**853**
Clay County	91
Duval County	646
Nassau County	42
St. Johns County	73
Jacksonville, NC MSA	**127**
Onslow County	127
Janesville-Beloit, WI MSA	**138**
Rock County	138
Jersey City, NJ PMSA	**553**
Hudson County	553
Johnson City-Kingsport-Bristol, TN-VA MSA	**443**
Carter County, TN	51
Hawkins County, TN	45
Sullivan County, TN	146
Unicoi County, TN	17

Digitized by Google

[See headnote, p. 675]

	1986 Population (1,000)
Washington County, TN	93
Scott County, VA	26
Washington County, VA	47
Bristol city, VA	18
Johnstown, PA MSA	**254**
Cambria County	173
Somerset County	81
Joliet, IL PMSA	**370**
Grundy County	32
Will County	338
Joplin, MO MSA	**133**
Jasper County	90
Newton County	43
Kalamazoo, MI MSA	**218**
Kalamazoo County	218
Kankakee, IL MSA	**98**
Kankakee County	98
Kansas City, MO–KS MSA	**1,518**
Cass County, MO	57
Clay County, MO	145
Jackson County, MO	636
Lafayette County, MO	31
Platte County, MO	51
Ray County, MO	22
Johnson County, KS	318
Leavenworth County, KS	61
Miami County, KS	23
Wyandotte County, KS	174
Kenosha, WI PMSA	**120**
Kenosha County	120
Killeen-Temple, TX MSA	**234**
Bell County	175
Coryell County	59
Knoxville, TN MSA	**591**
Anderson County	69
Blount County	83
Grainger County	17
Jefferson County	33
Knox County	329
Sevier County	47
Union County	12
Kokomo, IN MSA	**101**
Howard County	85
Tipton County	16
La Crosse, WI MSA	**94**
La Crosse County	94
Lafayette, LA MSA	**218**
Lafayette Parish	172
St. Martin Parish	46
Lafayette, IN MSA	**124**
Tippecanoe County	124
Lake Charles, LA MSA	**173**
Calcasieu Parish	173
Lake County, IL PMSA	**480**
Lake County	480
Lakeland-Winter Haven, FL MSA	**377**
Polk County	377
Lancaster, PA MSA	**394**
Lancaster County	394
Lansing-East Lansing, MI MSA	**425**
Clinton County	56
Eaton County	91
Ingham County	278
Laredo, TX MSA	**121**
Webb County	121
Las Cruces, NM MSA	**123**
Dona Ana County	123
Las Vegas, NV MSA	**589**
Clark County	589
Lawrence, KS MSA	**73**
Douglas County	73
Lawrence-Haverhill, MA–NH PMSA	**368**
Essex County MA (pt.)	271
Rockingham County, NH (pt.)	96
Lawton, OK MSA	**121**
Comanche County	121
Lewiston-Auburn, ME MSA	**85**
Androscoggin County (pt.)	85
Lexington-Fayette, KY MSA	**332**
Bourbon County	20
Clark County	29
Fayette County	213
Jessamine County	29
Scott County	22
Woodford County	19
Lima, OH MSA	**154**
Allen County	110
Auglaize County	44
Lincoln, NE MSA	**206**
Lancaster County	206
Little Rock-North Little Rock, AR MSA	**506**
Faulkner County	53
Lonoke County	36
Pulaski County	356
Saline County	58
Longview-Marshall, TX MSA	**170**
Gregg County	112
Harrison County	58
Lorain-Elyria, OH PMSA	**271**
Lorain County	271
Los Angeles-Anaheim-Riverside, CA CMSA	**13,075**
Anaheim-Santa Ana, CA PMSA	2,167
Los Angeles-Long Beach, CA PMSA	8,296
Oxnard-Ventura, CA PMSA	611
Riverside-San Bernardino, CA PMSA	2,001
Los Angeles-Long Beach, CA PMSA	**8,296**
Los Angeles County	8,296
Louisville, KY–IN MSA	**963**
Bullitt County, KY	46
Jefferson County, KY	681
Oldham County, KY	31
Shelby County, KY	24
Clark County, IN	89
Floyd County, IN	63
Harrison County, IN	29
Lowell, MA–NH PMSA	**254**
Middlesex County, MA (pt.)	245
Hillsborough County, NH (pt.)	9
Lubbock, TX MSA	**225**
Lubbock County	225
Lynchburg, VA MSA	**144**
Amherst County	29
Campbell County	47
Lynchburg city	68
Macon-Warner Robins, GA MSA	**282**
Bibb County	156
Houston County	87
Jones County	19
Peach County	20
Madison, WI MSA	**345**
Dane County	345
Manchester, NH MSA	**145**
Hillsborough County (pt.)	125
Merrimack County (pt.)	13
Rockingham County (pt.)	7
Mansfield, OH MSA	**129**
Richland County	129
McAllen-Edinburg-Mission, TX MSA	**366**
Hidalgo County	366
Medford, OR MSA	**140**
Jackson County	140
Melbourne-Titusville-Palm Bay, FL MSA	**361**
Brevard County	361
Memphis, TN–AR–MS MSA	**959**
Shelby County, TN	810
Tipton County, TN	36
Crittenden County, AR	50
De Soto County MS	64
Merced, CA MSA	**164**
Merced County	164
Miami-Fort Lauderdale, FL CMSA	**2,912**
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA	1,142
Miami-Hialeah, FL PMSA	1,770
Miami-Hialeah, FL PMSA	**1,770**
Dade County	1,770
Middlesex-Somerset-Hunterdon, NJ PMSA	**950**
Hunterdon County	96
Middlesex County	638
Somerset County	216
Middletown, CT PMSA	**84**
Middlesex County (pt.)	84
Midland, TX MSA	**111**
Midland County	111
Milwaukee, WI PMSA	**1,380**
Milwaukee County	932
Ozaukee County	69
Washington County	89
Waukesha County	289
Milwaukee-Racine, WI CMSA	**1,552**
Milwaukee, WI PMSA	1,380
Racine, WI PMSA	172
Minneapolis-St. Paul, MN–WI MSA	**2,295**
Anoka County, MN	221
Carver County, MN	41
Chisago County, MN	28
Dakota County, MN	228
Hennepin County, MN	966
Isanti County, MN	25
Ramsey County, MN	474
Scott County, MN	50
Washington County, MN	126
Wright County, MN	85
St. Croix County, WI	49

Digitized by Google

[See headnote, p. 875]

	1986 Population (1,000)
Mobile, AL MSA	470
Baldwin County	92
Mobile County	378
Modesto, CA MSA	317
Stanislaus County	317
Monmouth-Ocean, NJ PMSA	935
Monmouth County	543
Ocean County	393
Monroe, LA MSA	146
Ouachita Parish	146
Montgomery, AL MSA	299
Autauga County	36
Elmore County	46
Montgomery County	215
Muncie, IN MSA	121
Delaware County	121
Muskegon, MI MSA	159
Muskegon County	159
Naples, FL MSA	121
Collier County	121
Nashua, NH PMSA	163
Hillsborough County (pt.)	147
Rockingham County (pt.)	16
Nashville, TN MSA	931
Cheatham County	25
Davidson County	498
Dickson County	33
Robertson County	40
Rutherford County	103
Sumner County	97
Williamson County	72
Wilson County	64
Nassau-Suffolk, NY PMSA	2,635
Nassau County	1,323
Suffolk County	1,312
New Bedford, MA MSA	170
Bristol County (pt.)	156
Plymouth County (pt.)	14
New Britain, CT PMSA	144
Hartford County (pt.)	144
New Haven-Meriden, CT MSA	512
Middlesex County (pt.)	17
New Haven County (pt.)	495
New London-Norwich, CT-RI MSA	260
New London County, CT (pt.)	229
Windham County, CT (pt.)	4
Washington County, RI (pt.)	27
New Orleans, LA	1,334
Jefferson Parish	479
Orleans Parish	554
St. Bernard Parish	69
St. Charles Parish	43
St. John The Baptist Parish	41
St. Tammany Parish	147
New York, NY PMSA	8,473
Bronx County	1,194
Kings County	2,293
New York County	1,478
Putnam County	82
Queens County	1,923
Richmond County	375
Rockland County	266
Westchester County	863
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	17,966
Bergen-Passaic, NJ PMSA	1,298
Bridgeport-Milford, CT PMSA	444
Danbury, CT PMSA	186
Jersey City, NJ PMSA	553
Middlesex-Somerset-Hunterdon, NJ PMSA	950
Monmouth-Ocean, NJ PMSA	935
Nassau-Suffolk, NY PMSA	2,635
New York, NY PMSA	8,473
Newark, NJ PMSA	1,889
Norwalk, CT PMSA	128
Orange County, NY PMSA	282
Stamford, CT PMSA	195
Newark, NJ PMSA	1,889
Essex County	842
Morris County	419
Sussex County	124
Union County	504
Niagara Falls, NY PMSA	217
Niagara County	217
Norfolk-Virginia Beach-Newport News, VA MSA	1,309
Gloucester County	26
James City County	27
York County	40
Chesapeake city	134
Hampton city	126
Newport News city	162
Norfolk city	275
Poquoson city	10
Portsmouth city	111
Suffolk city	51
Virginia Beach city	333
Williamsburg city	11
Norwalk, CT PMSA	128
Fairfield County (pt.)	128
Oakland, CA PMSA	1,934
Alameda County	1,209
Contra Costa County	725
Ocala, FL MSA	171
Marion County	171
Odessa, TX MSA	133
Ector County	133
Oklahoma City, OK MSA	983
Canadian County	73
Cleveland County	162
Logan County	31
McClain County	25
Oklahoma County	630
Pottawatomie County	62
Olympia, WA MSA	147
Thurston County	147
Omaha, NE-IA MSA	814
Douglas County, NE	415
Sarpy County, NE	96
Washington County, NE	16
Pottawattamie County, IA	88
Orange County, NY PMSA	282
Orange County	282
Orlando, FL MSA	898
Orange County	575
Osceola County	83
Seminole County	240
Owensboro, KY MSA	88
Daviess County	88
Oxnard-Ventura, CA PMSA	611
Ventura County	611
Panama City, FL MSA	122
Bay County	122
Parkersburg-Marietta, WV-OH MSA	156
Wood County, WV	92
Washington County, OH	64
Pascagoula, MS MSA	128
Jackson County	128
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA	317
Providence County, RI (pt.)	224
Bristol County, MA (pt.)	77
Norfolk County, MA (pt.)	6
Worcester County, MA (pt.)	9
Pensacola, FL MSA	337
Escambia County	271
Santa Rosa County	66
Peoria, IL MSA	340
Peoria County	183
Tazewell County	125
Woodford County	32
Philadelphia, PA-NJ PMSA	4,826
Bucks County, PA	522
Chester County, PA	339
Delaware County, PA	561
Montgomery County, PA	672
Philadelphia County, PA	1,643
Burlington County, NJ	385
Camden County, NJ	493
Gloucester County, NJ	212
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA	5,833
Philadelphia, PA-NJ PMSA	4,826
Trenton, NJ PMSA	321
Vineland-Millville-Bridgeton, NJ PMSA	135
Wilmington, DE-NJ-MD PMSA	551
Phoenix, AZ MSA	1,900
Maricopa County	1,900
Pine Bluff, AR MSA	90
Jefferson County	90
Pittsburgh, PA PMSA	2,123
Allegheny County	1,374
Fayette County	156
Washington County	212
Westmoreland County	381
Pittsburgh-Beaver Valley, PA CMSA	2,316
Beaver County, PA PMSA	193
Pittsburgh, PA PMSA	2,123
Pittsfield, MA MSA	81
Berkshire County (pt.)	81
Portland, ME MSA	206
Cumberland County (pt.)	188
York County (pt.)	18
Portland, OR PMSA	1,153
Clackamas County	257
Multnomah County	567
Washington County	271
Yamhill County	57
Portland-Vancouver, OR-WA CMSA	1,364
Portland, OR PMSA	1,153
Vancouver, WA PMSA	211

Digitized by Google

[See headnote, p. 875]

	1986 Population (1,000)
Portsmouth-Dover-Rochester, NH–ME MSA	**215**
Rockingham County, NH (pt.)	76
Stafford County, NH (pt.)	90
York County, ME (pt.)	49
Poughkeepsie, NY MSA	**257**
Dutchess County	257
Providence, RI PMSA	**634**
Bristol County	48
Kent County (pt.)	156
Newport County (pt.)	5
Providence County (pt.)	357
Washington County (pt.)	68
Providence-Pawtucket-Fall River, RI–MA CMSA	**1,108**
Fall River, MA–RI PMSA	158
Pawtucket-Woonsocket-Attleboro, RI–MA PMSA	317
Providence, RI PMSA	634
Provo-Orem, UT MSA	**241**
Utah County	241
Pueblo, CO MSA	**127**
Pueblo County	127
Racine, WI PMSA	**172**
Racine County	172
Raleigh-Durham, NC MSA	**651**
Durham County	167
Franklin County	34
Orange County	85
Wake County	365
Rapid City, SD MSA	**77**
Pennington County	77
Reading, PA MSA	**321**
Berks County	321
Redding, CA MSA	**133**
Shasta County	133
Reno, NV MSA	**225**
Washoe County	225
Richland-Kennewick-Pasco, WA MSA	**150**
Benton County	113
Franklin County	37
Richmond-Petersburg, VA MSA	**610**
Charles City County	6
Chesterfield County	172
Dinwiddie County	21
Goochland County	13
Hanover County	54
Henrico County	196
New Kent County	10
Powhatan County	13
Prince George County	26
Colonial Heights city	17
Hopewell city	24
Petersburg city	40
Richmond city	218
Riverside-San Bernardino, CA PMSA	**2,001**
Riverside County	862
San Bernardino County	1,139
Roanoke, VA MSA	**225**
Botetourt County	25
Roanoke County	75
Roanoke city	102
Salem city	24
Rochester, MN MSA	**98**
Olmsted County	98

	1986 Population (1,000)
Rochester, NY MSA	**980**
Livingston County	59
Monroe County	703
Ontario County	92
Orleans County	39
Wayne County	88
Rockford, IL MSA	**280**
Boone County	29
Winnebago County	251
Sacramento, CA MSA	**1,291**
El Dorado County	108
Placer County	143
Sacramento County	915
Yolo County	126
Saginaw-Bay City-Midland, MI MSA	**404**
Bay County	115
Midland County	72
Saginaw County	216
St. Cloud, MN MSA	**175**
Benton County	27
Sherburne County	34
Stearns County	114
St. Joseph, MO MSA	**86**
Buchanan County	86
St. Louis, MO–IL MSA	**2,438**
Franklin County, MO	78
Jefferson County, MO	164
St. Charles County, MO	182
St. Louis County, MO	993
St. Louis city, MO	426
Clinton County, IL	34
Jersey County, IL	20
Madison County, IL	250
Monroe County, IL	21
St. Clair County, IL	270
Salem, OR MSA	**262**
Marion County	215
Polk County	47
Salem-Gloucester, MA PMSA	**259**
Essex County (pt.)	259
Salinas-Seaside-Monterey, CA MSA	**340**
Monterey County	340
Salt Lake City-Ogden, UT MSA	**1,041**
Davis County	180
Salt Lake County	702
Weber County	159
San Angelo, TX MSA	**98**
Tom Green County	98
San Antonio, TX MSA	**1,276**
Bexar County	1,170
Comal County	49
Guadalupe County	57
San Diego, CA MSA	**2,201**
San Diego County	2,201
San Francisco, CA PMSA	**1,588**
Marin County	225
San Francisco County	749
San Mateo County	614
San Francisco-Oakland-San Jose, CA CMSA	**5,878**
Oakland, CA PMSA	1,934
San Francisco, CA PMSA	1,588
San Jose, CA PMSA	1,402
Santa Cruz, CA PMSA	218
Santa Rosa-Petaluma, CA PMSA	344

	1986 Population (1,000)
Vallejo-Fairfield-Napa, CA PMSA	392
San Jose, CA PMSA	**1,402**
Santa Clara County	1,402
Santa Barbara-Santa Maria-Lompoc, CA MSA	**339**
Santa Barbara County	339
Santa Cruz, CA PMSA	**218**
Santa Cruz County	218
Santa Fe, NM MSA	**106**
Los Alamos County	19
Santa Fe County	88
Santa Rosa-Petaluma, CA PMSA	**344**
Sonoma County	344
Sarasota, FL MSA	**248**
Sarasota County	248
Savannah, GA MSA	**240**
Chatham County	218
Effingham County	22
Scranton-Wilkes-Barre, PA MSA	**726**
Columbia County	61
Lackawanna County	223
Luzerne County	307
Monroe County	63
Wyoming County	28
Seattle, WA PMSA	**1,751**
King County	1,362
Snohomish County	389
Seattle-Tacoma, WA CMSA	**2,284**
Seattle, WA PMSA	1,751
Tacoma, WA PMSA	530
Sharon, PA MSA	**124**
Mercer County	124
Sheboygan, WI MSA	**103**
Sheboygan County	103
Sherman-Denison, TX MSA	**98**
Grayson County	98
Shreveport, LA MSA	**366**
Bossier Parish	92
Caddo Parish	273
Sioux City, IA–NE MSA	**116**
Woodbury County, IA	98
Dakota County, NE	17
Sioux Falls, SD MSA	**123**
Minnehaha County	123
South Bend-Mishawaka, IN MSA	**241**
St. Joseph County	241
Spokane, WA MSA	**357**
Spokane County	357
Springfield, IL MSA	**191**
Menard County	12
Sangamon County	179
Springfield, MA MSA	**518**
Hampden County (pt.)	430
Hampshire County (pt.)	88
Springfield, MO MSA	**226**
Christian County	27
Greene County	198
Stamford, CT PMSA	**196**
Fairfield County (pt.)	196

Digitized by Google

[See headnote, p. 875]

	1986 Population (1,000)
State College, PA MSA	115
Centre County	115
Steubenville-Weirton, OH-WV MSA	155
Jefferson County, OH	86
Brooke County, WV	29
Hancock County, WV	40
Stockton, CA MSA	433
San Joaquin County	433
Syracuse, NY MSA	649
Madison County	67
Onnndaga County	463
Oswego County	120
Tacoma, WA PMSA	533
Pierce County	533
Tallahassee, FL MSA	218
Gadsden County	45
Leon County	173
Tampa-St. Petersburg-Clearwater, FL MSA	1,914
Hernando County	78
Hillsborough County	776
Pasco County	246
Pinellas County	815
Terre Haute, IN MSA	134
Clay County	25
Vigo County	109
Texarkana, TX-Texarkana, AR MSA	120
Bowie County, TX	81
Miller County, AR	39
Toledo, OH MSA	611
Fulton County	39
Lucas County	462
Wood County	110
Topeka, KS MSA	161
Shawnee County	161
Trenton, NJ PMSA	321
Mercer County	321
Tucson, AZ MSA	602
Pima County	602
Tulsa, OK MSA	734
Creek County	69
Osage County	41
Rogers County	56
Tulsa County	517
Wagoner County	50
Tuscaloosa, AL MSA	141
Tuscaloosa County	141
Tyler, TX MSA	152
Smith County	152
Utica-Rome, NY MSA	315
Herkimer County	67
Oneida County	249
Vallejo-Fairfield-Napa, CA PMSA	392
Napa County	105
Solano County	288
Vancouver, WA PMSA	211
Clark County	211
Victoria, TX MSA	76
Victoria County	76
Vineland-Millville-Bridgeton, NJ PMSA	135
Cumberland County	135
Visalia-Tulare-Porterville, CA MSA	287
Tulare County	287
Waco, TX MSA	188
McLennan County	186
Washington, DC-MD-VA MSA	3,563
Washington, DC	626
Calvert County, MD	44
Charles County, MD	89
Frederick County, MD	131
Montgomery County, MD	665
Prince Georges County, MD	681
Arlington County, VA	159
Fairfax County, VA	711
Loudoun County, VA	67
Prince William County, VA	175
Stafford County, VA	50
Alexandria city, VA	108
Fairfax city, VA	20
Falls Church city, VA	10
Manassas city, VA	20
Manassas Park city, VA	7
Waterbury, CT MSA	212
Litchfield County (pt.)	36
New Haven County (pt.)	175
Waterloo-Cedar Falls, IA MSA	152
Black Hawk County	128
Bremer County	24
Wausau, WI MSA	112
Marathon County	112
West Palm Beach-Boca Raton-Delray Beach, FL MSA	756
Palm Beach County	756
Wheeling, WV-OH MSA	175
Marshall County, WV	39
Ohio County, WV	58
Belmont County, OH	78
Wichita, KS MSA	470
Butler County	48
Harvey County	31
Sedgwick County	391
Wichita Falls, TX MSA	127
Wichita County	127
Williamsport, PA MSA	118
Lycoming County	116
Wilmington, DE-NJ-MD PMSA	551
New Castle County, DE	418
Salem County, NJ	68
Cecil County, MD	65
Wilmington, NC MSA	114
New Hanover County	114
Worcester, MA MSA	408
Worcester County (pt.)	408
Yakima, WA MSA	183
Yakima County	183
York, PA MSA	398
Adams County	71
York County	327
Youngstown-Warren, OH MSA	510
Mahoning County	277
Trumbull County	233
Yuba City, CA MSA	114
Sutter County	59
Yuba County	55

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-26, No. 86-A; press release (CB87-116); and unpublished data.

Digitized by Google



Appendix III

Statistical Methodology and Reliability

Introduction.—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses."

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population,* or simply as the *universe* or *population.* Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household." The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame.*

The data in many tables are based on data obtained for all population units, *a census,* or on data obtained for only a portion, or *sample,* of the population units. When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample.* This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single- stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates.* In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of

Digitized by Google

errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples with a known probability. To illustrate, if all possible samples were selected under essentially the same general conditions, and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68% of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90% of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95% of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximately 90 % confidence interval (plus or minus 1.6 standard errors) is from 184 to 216.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

Digitized by Google

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available. To obtain estimates of the estimated standard errors from the sample of interest, obtain a copy of the referenced report which appears at the end of each table.

Principal data bases.—Beginning below are brief descriptions of 44 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.

SECTION 1. POPULATION

Source and Title: Bureau of the Census, *Census of Population*

Tables: See tables citing *Census of Population* in section 1 and also in sections 2, 4, 6, 8, 13, 14, 26, and 30.

Universe, Frequency, and Types of Data: Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.

Type of Data Collection Operation: In 1970 and 1980, complete census for some items—age, sex, race, marital status and relationship to household head. In 1970, other items collected from a 5% and a 15% probability (systematic) sample of the population. In 1980, approximately 19% of the housing units were included in the sample.

Data Collection and Imputation Procedures: In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. In 1980, mail questionnaires were used in even more areas than in 1970, with personal interviews in the remainder. Extensive telephone and personal followup for nonrespondents was done in both censuses. Imputations were made for missing characteristics.

Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.

Other (nonsampling) Errors: Evaluation programs are currently being conducted to provide information on the magnitude of some sources of nonsampling errors such as response bias and undercoverage in the 1980 census.

Sources of Additional Material: U.S. Bureau of the Census, *Estimates of Coverage of the Population by Sex, Race, and Age: Demographic Analysis*, PHC(E)-4; *Census of Population: 1970* PC(1)C, Appendix C; and *1980 Census of Population*, vol. 1, (PC80-1), Appendixes B, C, and D.

Source and Title: U.S. Bureau of the Census, *Current Population Survey (CPS)*

Tables: See tables citing *Current Population Reports* primarily in section 1, but also in sections 2, 3, 4, 8, 12, 13, 14, 23, and 30. Many Bureau of Labor Statistics' (BLS) tables in section 13 are CPS based.

Universe, Frequency, and Types of Data: Nationwide monthly sample survey of civilian noninstitutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.

Type of Data Collection Operation: Multistage probability sample of about 59,500 households in 729 PSU's in 1986. Over-sampling in some States and the largest MSA's to improve reliability for those areas of employment data on annual average basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.

Data Collection and Imputation Procedures: For first and fifth months that a household is in sample, personal interviews; other months, approximately, 85% of the data collected by phone. Imputation is done for both item and total nonresponse. Adjustment for total nonresponse is done by a predefined cluster of units, by MSA size and residence; for item nonresponse imputation varies by subject matter.

Estimates of Sampling Error: Estimated CV's on national annual averages for labor force, total employment, and nonagricultural employment, 2%; for total unemployment and agricultural employment, 1.0% to 2.5%. The estimated CV's for family income and poverty rate for all persons in 1986 are .5% and 1.5%, respectively. CV's for subnational areas, such as States, would be larger and would vary by area.

Other (nonsampling) Errors: Estimates of response bias on unemployment are not available, but estimates of unemployment are usually 5% to 9% lower than estimates from reinterviews. Four to 5.0% of sample households unavailable for interviews.

Sources of Additional Material: U.S. Bureau of the Census and Bureau of Labor Statistics, *Concepts and Methods Used in Labor Force Statistics from Current Population Survey* (Census

Digitized by Google

series P-23, No. 62; BLS Report No. 463) and Bureau of the Census, *Current Population Survey* (Tech. Paper 40).

(See section 3 below for information pertaining to the Supplement on Aging to the National Health Interview Survey.)

SECTION 2. VITAL STATISTICS

Source and Title: U.S. National Center for Health Statistics (NCHS), *Vital Registration System*
Tables: See tables citing *Vital Statistics of the United States*, 268 in section 5; 998 in section 21; and 1358 in section 30.
Universe, Frequency, and Types of Data: Annual data on births and deaths in the United States.
Type of Data Collection Operation: Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics 1951-1971, based on 50% sample of birth certificates, except a 20% to 50% in 1967, received by NCHS. Beginning 1972, data from some States received through Vital Statistics Cooperative Program and complete file used; data from other States based on 50% sample.
Data Collection and Imputation Procedures: Reports based on records from registration offices of all States, District of Columbia, New York City, Puerto Rico, Virgin Islands, and Guam.
Estimates of Sampling Error: For recent years, CV's for births are small due to large portion of total file in sample (except for very small estimated totals).
Other (nonsampling) Errors: Data on births and deaths believed to be at least 99% complete.
Sources of Additional Material: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, vol. I and vol. II, annual, and *Monthly Vital Statistics Report.*

Source and Title: U.S. National Center for Health Statistics, *National Survey of Family Growth*
Tables: See tables 91, 97, and 100-102.
Universe, Frequency, and Types of Data: Periodic survey of women aged 15-44 living in the conterminous United States, excluding women in institutions, to collect data on American women's fertility, family planning, and related aspects of maternal and child health.
Type of Data Collection Operation: Multistage area probability sample. Interviews were conducted with 7,969 women. Black women and women aged 15-19 were sampled at higher rates.
Data Collection and Imputation Procedures: Personal interviews were conducted by trained female interviewers. The data have been adjusted for nonsampling error due to nonresponse by adjusting the sample weights assigned to each case. Missing values for selected variables were imputed.
Estimates of Sampling Error: Estimates of sampling error are provided in the report cited below.
Other (nonsampling) Errors: A series of stringent quality control measures were used. These included independent editing of completed questionnaires, verification of coding, short "recheck" interviews with a subsample of respondents, an independent recoding of a sample of questionnaires by NCHS, keypunch verification, and extensive computer editing and "cleaning" by both the contractor and NCHS to check for inconsistent or impossible codes.
Sources of Additional Material: U.S. National Center for Health Statistics, "The National Survey of Family Growth, Cycle III: Sample Design, Estimation Procedures, and Variance Estimation," by W. Mosher, C. Bachrach, and M. Horn, in *Vital and Health Statistics*, series 2, No. 98, September 1985.

SECTION 3. HEALTH AND NUTRITION

Source and Title: U.S. National Center for Health Statistics, *National Health Interview Survey (NHIS)*
Tables: 147, 166, 167, 171-175, 177, 178, 182, and in section 1, tables 41 and 42, section 4, table 205, and section 12, table 598.
Universe, Frequency, and Types of Data: Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, and other health topics. In 1984, the Supplement on Aging (SOA) was added to the NHIS to collect data on the functional status of persons 55 years old and over living in the community. It included questions on characteristics which might affect their ability to live in the community.
Type of Data Collection Operation: Multistage probability sample of 42,000 households (in 376 PSU's) selected in groups of about four adjacent households.
Data Collection and Imputation Procedures: Personal household interviews with extensive followup of nonrespondents. Data are adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in the same geographic area.

Digitized by Google

Estimates of Sampling Error: Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.
Other (nonsampling) Errors: Response rate was 95.7% in 1985 for the NHIS. For the SOA, response rate was 95% (89% responded entirely for themselves).
Sources of Additional Material: U.S. National Center for Health Statistics, "Current Estimates from the National Health Interview Survey, U.S., 1983," Vital and Health Statistics, series 10 and the "Supplement on Aging to the 1984 National Health Interview Survey," Vital and Health Statistics, series 1, No. 21, July 1987.

(See section 1 above for information pertaining to tables 93-96, and section 15 pertaining to table 138.)

SECTION 4. EDUCATION

Source and Title: U.S. Department of Education, Center for Education Statistics, *Revenues and Expenditures for Public Elementary and Secondary Education*
Tables: 190 and 191.
Universe, Frequency, and Types of Data: Annual survey of State education agencies to obtain data on revenues and expenditures for public elementary and secondary education. Includes the 50 States, District of Columbia, and the outlying areas.
Type of Data Collection Operation: Complete census; however, data are extracted by State education agencies from fiscal reports submitted by local education agencies.
Data Collection and Imputation Procedures: Mail survey is conducted with followup for nonresponse through direct contact with other records.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Not applicable.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Revenues and Expenditures for Public Elementary and Secondary Education*, annual.

Source and Title: U.S. Department of Education, Center for Education Statistics, *Statistics of Public Elementary and Secondary School Systems*
Tables: See tables in section 4 which present data from the Center for Education Statistics pertaining to State public school systems.
Universe, Frequency, and Types of Data: Annual survey of State education agencies to obtain data on pupils enrolled, staff employed, and number of schools. Includes the 50 States, District of Columbia, and the outlying areas.
Type of Data Collection Operation: Complete census; however, data are extracted by State education agencies from fall reports submitted by local education agencies.
Data Collection and Imputation Procedures: Mail survey. Imputations for missing data are derived based on data reported over previous 5 years.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Deviations from State to State, or year to year arise from differences in definitions, and instructions used by State education agencies.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Statistics of Public Elementary and Secondary School Systems*, annual.

Source and Title: U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Institutional Characteristics of Colleges and Universities*
Tables: 200 and 249.
Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on characteristics of institutions including control (public or private), type (university, other four-year, and two-year) and student charges.
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Nearly 100% response rate.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Education Directory, Colleges and Universities*, annual.

Source and Title: U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Fall Enrollment in Institutions of Higher Education*
Tables: 199, 235, 236, 243, and 244.

Digitized by Google

Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Approximately 98% response rate.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Fall Enrollment in Higher Education,* annual.

Source and Title: U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Financial Statistics of Institutions of Higher Education*
Tables: 190, 191, 235, and 245.
Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: For 1979, a 91.7% response rate. Imputed expenditures amounted to about 2.8% of total expenditures.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Financial Statistics of Institutions of Higher Education,* annual.

Source and Title: U.S. Department of Education, Center for Education Statistics, *Higher Education General Information Survey (HEGIS), Degrees and Other Formal Awards Conferred*
Tables: 232 and 254-256.
Universe, Frequency, and Types of Data: Annual survey of all institutions and branches listed in the *Education Directory, Colleges and Universities* to obtain data on earned degrees and other formal awards, conferred by field of study, level of degree, sex, and by racial/ethnic characteristics (in alternate years).
Type of Data Collection Operation: Complete census.
Data Collection and Imputation Procedures: Survey package is usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone followup procedures for nonrespondents. Missing data are imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Approximately 99% response rate.
Sources of Additional Material: U.S. Department of Education, Center for Education Statistics, *Earned Degrees Conferred,* annual.

(See sections 1 and 9 for information pertaining to the Bureau of the Census and section 3 above for the National Center for Health Statistics.)

SECTION 5. LAW ENFORCEMENT, COURTS, AND PRISONS

Source and Title: U.S. Federal Bureau of Investigation, *Uniform Crime Reporting (UCR) Program*
Tables: 263-267, 269, 270, 278-280, and 283.
Universe, Frequency, and Types of Data: Monthly reports on the number of criminal offenses that become known to law enforcement agencies. Data are collected on crimes cleared by arrest, by age, sex, race, and ethnic origin of offender, and on assaults on law enforcement officers.
Type of Data Collection Operation: Crime statistics are based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.
Data Collection and Imputation Procedures: States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits are performed by FBI.
Estimates of Sampling Error: Not applicable.

Digitized by Google

Other (nonsampling) Errors: Coverage of 96% of the population (98% in SMSA's, 94% in "other cities," and 89% in rural areas) by UCR program, though varying number of agencies report Some error is present through incorrect reporting.
Sources of Additional Material: U.S. Federal Bureau of Investigation, *Crime in the United States.*

Source and Title: U.S. Bureau of Justice Statistics (BJS), *National Crime Survey*
Tables: 271-275.
Universe, Frequency, and Types of Data: Monthly survey of individuals and households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.
Type of Data Collection Operation: National probability sample survey of about 59,000 interviewed households in 376 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits and an area sample where permits are not required.
Data Collection and Imputation Procedures: Interviews are conducted every 6 months for 3 years for each household in the sample; 10,000 households are interviewed monthly. Personal interviews are used in the first, third, fifth, and seventh interviews; the intervening interviews are conducted by telephone whenever possible.
Estimates of Sampling Error: CV's in 1985: 2.2% for crimes of violence; 14.8% for estimate of rape counts; 5.5% for robbery counts; 2.5% for assault counts; 1.4% for personal larceny counts; 2.2% for burglary counts; 1.8% for household larceny; 1.3% for all household crimes; and 4.8% for motor vehicle theft counts.
Other (nonsampling) Errors: Respondent recall errors which may include reporting incidents for other than the reference period; interviewer coding and processing errors; and possible mistaken reporting or classifying of events. Adjustment is made for a household noninterview rate of about 4% and for a smaller within-household noninterview rate.
Sources of Additional Material: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

(See section 2 for details on table 268 and section 9 for details on table 289.)

SECTION 8. ELECTIONS

(See section 1 above for information pertaining to table 418.)

SECTION 9. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT

Source and Title: U.S. Bureau of the Census, *Census of Governments*
Tables: See tables in section 9 citing *Census of Governments.*
Universe, Frequency, and Types of Data: Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee retirement systems, property values, public school systems, and number, size, and structure of governments.
Type of Data Collection Operation: Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.
Data Collection and Imputation Procedures: Data collected through field and office compilation of financial data from official records and reports for States and large local governments; mail canvass of selected data items, like State tax revenue and employee retirement systems; and collection of local government statistics through central collection arrangements with State governments.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Some nonsampling errors may arise due to possible inaccuracies in classification, response, and processing.
Sources of Additional Material: U.S. Bureau of the Census, *Census of Governments, 1982*, various reports, and *State Government Finances in 1985*, GF 85, No. 3.

Source and Title: U.S. Bureau of the Census, *Annual Surveys of State and Local Government*
Tables: See tables citing *Public Employment* and *Governmental Finances* in section 9; table 216 in section 4; table 289 in section 5; and table 573 in section 12.
Universe, Frequency, and Types of Data: Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 82,000).
Type of Data Collection Operation: Sample of about 22,000 units includes all State governments, county governments with 50,000+ population, municipalities and townships in certain States with 25,000+ population, all school districts with 5,000+ enrollment in October 1981, and other governments meeting certain criteria; probability sample for remaining units. A supplemental survey provides complete coverage of 39,000 local government units for data on taxes and intergovernmental revenue.

Digitized by Google

Data Collection and Imputation Procedures: Field and office compilation of data from official records and reports for States and large local governments; central collection of local governmental financial data through a number of State governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses are imputed from previous year data or obtained from secondary sources, if available.
Estimates of Sampling Error: CV's for estimates of major employment and financial items are generally less than 2% for most States and less than 1.2% for the majority of States.
Other (nonsampling) Errors: Nonresponse rate is about 15% for number of units. Other possible errors may result from undetected inaccuracies in classification, response, and processing.
Sources of Additional Material: U.S. Bureau of the Census, *Public Employment in 1985,* GE 85, No. 1, *Governmental Finances in 1984-85,* GF 85, No. 5, and *Census of Governments, 1982,* various reports.

SECTION 10. FEDERAL GOVERNMENT

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*
Tables: 488-493.
Universe, Frequency, and Types of Data: Annual study of unaudited individual income tax returns, Forms 1040, 1040A, and 1040EZ, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, State of residence, and by taxable and nontaxable returns.
Type of Data Collection Operation: Stratified probability sample of approximately 120,000 returns for tax year 1985 broken into sample strata based on State groupings and currently designed to show the larger of total income or total loss amounts as well as the size of business plus farm receipts. Sampling rates for sample strata varied from .02% to 100%.
Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.
Estimates of Sampling Error: Estimated CV's for tax year 1985: Number of returns in subgroups, ranged from .8% for returns under $5,000 to .2% for returns over $500,000 and from less than .05% for 17 different States to 2.2% for District of Columbia; for adjusted gross income less deficit, .1%; and amount of income tax, .2%.
Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.
Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns,* annual.

Source and Title: U.S. Internal Revenue Service, *Corporation Income Tax Returns*
Tables: Section 17, tables 823-826, and 848.
Universe, Frequency, and Types of Data: Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, or DISC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, business receipts, taxable income, and income tax.
Type of Data Collection Operation: Stratified probability sample of approximately 89,000 returns in 1984, broken into sample classes generally based on type of return, size of total assets, and size of net income or deficit. Sampling rates for sample strata varied from .4% to 100%.
Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.
Estimates of Sampling Error: Estimated CV's for 1984: Number of returns in subgroups ranged from 1.2% with assets under $100,000, to 0% with assets over $100 mil.; for amount of net income and amount of income tax, .1%.
Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.
Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Corporation Income Tax Returns,* annual.

SECTION 12. SOCIAL INSURANCE AND HUMAN SERVICES

Source and Title: U.S. Social Security Administration, *Benefit Data*
Tables: 565 and 566.
Universe, Frequency, and Types of Data: All persons receiving monthly benefits under Title 11 of Social Security Act. Data on number and amount of benefits paid by type and State.

Digitized by Google

Type of Data Collection Operation: Data based on administrative records. Data based on 100% files, as well as 10% and 1% sample files.
Data Collection and Imputation Procedures: Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.
Estimates of Sampling Error: Varies by size of estimate and sample file size.
Other (nonsampling) Errors: Processing errors, which are believed to be small.
Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin.*

Source and Title: U.S. Social Security Administration, *Supplemental Security Income (SSI) Program*
Tables: 588-590.
Universe, Frequency, and Types of Data: All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.
Type of Data Collection Operation: Data based on administrative records.
Data Collection and Imputation Procedures: Data adjusted to reflect returned checks and overpayment refunds. For federally administered payments, actual adjusted amounts are used; for State administered, payments are deflated for average rate across all States.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Processing errors, which are believed to be small.
Sources of Additional Material: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin.*

(See section 1 above for information pertaining to the Current Population Survey; section 3 above for information pertaining to the Supplement on Aging to the National Health Interview Survey; and section 9 for information pertaining to Annual Surveys of State and Local Government.)

SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Current Employment Statistics (CES) Program*
Tables: 640-642, 646, and 648; in section 21, table 978; and in section 24, table 1121.
Universe, Frequency, and Types of Data: Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.
Type of Data Collection Operation: Probability sample survey of about 250,000 establishments in March 1986.
Data Collection and Imputation Procedures: Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information is forwarded to BLS where national estimates are prepared.
Estimates of Sampling Error: Estimated CV's in 1986: For average weekly hours paid, .1% and for average hourly earnings, .2%.
Other (nonsampling) Errors: Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment is .2%.
Sources of Additional Material: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, Explanatory Notes, tables L-Q and *BLS Handbook of Methods*, Bulletin 2134-1 (Dec. 1982).

(See section 1 above for information pertaining to the Current Population Survey.)

SECTION 14. INCOME, EXPENDITURES, AND WEALTH

(See section 1 above for information pertaining to the Bureau of the Census.)

SECTION 15. PRICES

Source and Title: U.S. Bureau of Labor Statistics (BLS), *Consumer Price Index (CPI)*
Tables: 729, 730, 738-741, 743, 750, 755, 756, and in section 3, table 138.
Universe, Frequency, and Types of Data: Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter. Both indexes continue to be published.
Type of Data Collection Operation: Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's.
Data Collection and Imputation Procedures: Prices of 400 items are obtained from about 2,300 food outlets, 18,000 rental units, 18,000 housing units (for property taxes), and 22,300 other reporters in 85 areas. Prices of most goods and services are obtained monthly in the 5 largest areas and every 2 months in others.
Estimates of Sampling Error: Estimates of standard errors are not available at present.

Digitized by Google

Other (nonsampling) Errors: Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products.
Sources of Additional Material: U.S. Bureau of Labor Statistics, *The Consumer Price Index: Concepts and Content Over the Years*, Report 517, and *BLS Handbook of Methods*, Bulletin 2134-2.

Source and Title: U.S. Bureau of Labor Statistics, *Producer Price Index (PPI)*
Tables: 729-732, 735, and 736; in section 21, table 1020; in section 24, table 1124; and in section 26, table 1198.
Universe, Frequency, and Types of Data: Monthly survey of producing companies to determine price changes of all commodities produced for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.
Type of Data Collection Operation: Probability sample of over 3,000 commodities and about 16,000 respondents.
Data Collection and Imputation Procedures: Data are collected by mail. If transaction prices are not supplied, list prices are used. Some prices are obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1982.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Not available at present.
Sources of Additional Material: U.S. Bureau of Labor Statistics, *BLS Handbook of Methods*, Bulletin 2134-1.

SECTION 17. BUSINESS ENTERPRISE

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns*
Tables: 823-827.
Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of nonfarm sole proprietorships, Form 1040 with business or farm schedules. Data provided on various financial characteristics by industry, size of business receipts, and adjusted gross income.
Type of Data Collection Operation: Stratified probability sample of approximately 35,000 sole proprietorships for tax year 1984. The sample is broken into sample classes based on presence or absence of certain business schedules; the larger of total income or loss; and size of business plus farm receipts.
Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.
Estimates of Sampling Error: Estimated CV's for tax year 1981 (1985 not available): For sole proprietorships, number of businesses, .1%; business receipts, .9%; and net income, .8%.
Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.
Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Sole Proprietorship Returns* and *Statistics of Income Bulletin*, Vol. 6, No. 1 (Summer 1986).

Source and Title: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns*
Tables: 823-826, 828, and 829.
Universe, Frequency, and Types of Data: Annual study of unaudited income tax returns of partnerships, Form 1065. Data provided on various financial characteristics by industry and size of business receipts, and total assets (partnerships only).
Type of Data Collection Operation: Stratified probability sample of approximately 29,000 partnership returns filed for tax year 1983. The sample is broken into sample classes based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates vary from .1% to 100%.
Data Collection and Imputation Procedures: Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.
Estimates of Sampling Error: Estimated upper limit CV's tax year 1981 (1985 not available): For number of partnerships, 1.5%.
Other (nonsampling) Errors: Processing errors and errors arising from the use of tolerance checks for the data.
Sources of Additional Material: U.S. Internal Revenue Service, *Statistics of Income, Partnership Returns* and *Statistics of Income Bulletin*, Vol. 6, No. 1 (Summer 1986).

SECTION 18. COMMUNICATIONS

Digitized by Google

(See section 27 for information pertaining to table 890.)

SECTION 19. ENERGY

Source and Title: U.S. Energy Information Administration, *Residential Energy Consumption Survey*
Tables: 912-915, 945, and tables 1225-1227 in section 26.
Universe, Frequency, and Types of Data: Triennial survey of households and fuel suppliers. Data are obtained on energy-related household characteristics, housing unit characteristics, use of fuels, and energy consumption and expenditures by fuel type.
Type of Data Collection Operation: Probability sample of 6,752 eligible units in 149 PSU's. For responding units, fuel consumption and expenditure data obtained from fuel suppliers to those households.
Data Collection and Imputation Procedures: Personal interviews. Extensive followup of nonrespondents including mail questionnaires for some households. Adjustments for nonrespondents were made in weighting for respondents. Most item nonresponses were imputed.
Estimates of Sampling Error: Estimated CV's for household averages: For consumption or expenditures, 1.3%; for various fuels, values ranged from 1.9% for electricity to 5.3% for LPG.
Other (nonsampling) Errors: Household response rate of 84.2%. Non-consumption data were mostly imputed for mail respondents (3.0% of eligible units). Complete responses from fuel suppliers for various fuels ranged from 83.4% for electricity to 48.3% for fuel oil and kerosene.
Sources of Additional Material: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Consumption and Expenditures, April 1984 through March 1985.*

SECTION 21. TRANSPORTATION—LAND

(See section 2 for information pertaining to table 998; and section 15 for table 1020.)

SECTION 22. TRANSPORTATION—AIR AND WATER

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Export Statistics*
Tables: See Bureau of the Census citations for export statistics in source notes in sections 22 and 29 and also tables 1148, 1149, 1162, and 1369.
Universe, Frequency, and Types of Data: The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, country of destination, Customs district of exportation, and mode of transportation.
Type of Data Collection Operation: Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over $1,000. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Value data for shipments valued under $1,001 are estimated, based on established percentages of individual country totals.
Data Collection and Imputation Procedures: Statistical copies of Shipper's Export Declarations are received on a daily basis from Customs ports throughout the country and subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued over $1,500. Estimates for shipments valued at $1,500 or less are made, based on established percentages of individual country totals.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.
Sources of Additional Material: U.S. Bureau of the Census, *U.S. Exports, Schedule E, Commodity by Country*, FT 410.

Source and Title: U.S. Bureau of the Census, *Foreign Trade—Import Statistics*
Tables: See Bureau of the Census citations for import statistics in source notes in sections 22 and 29 and also tables 1148, 1149, 1162, and 1329.
Universe, Frequency, and Types of Data: The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, country of origin, Customs district of entry, and mode of transportation.
Type of Data Collection Operation: Import entry documents are required to be filed for the importation of goods into the United States valued over $1,000 except for articles which must be reported on formal entries when valued over $250. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. Estimates for shipments valued under $1,001 (under $251, where applicable) are based on established percentages of individual country totals.

Digitized by Google

Data Collection and Imputation Procedures: Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued at $1,001 and over ($251 and over, where applicable).
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks are utilized to hold nonsampling errors arising from reporting and/or processing errors to a minimum.
Sources of Additional Material: U.S. Bureau of the Census, *U.S. General Imports and Imports for Consumption, Schedule A, Commodity by Country,* FT 135.

SECTION 23. AGRICULTURE

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), formerly Statistical Reporting Service (SRS), *Basic Area Frame Sample*
Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following two surveys.
Universe, Frequency, and Types of Data: Three annual sample surveys of U.S. farm operators: June survey collects data on planted acreage and livestock inventories; December survey collects data on livestock inventories and fall-seeded crop acreage and a February Farm Costs and Returns survey that collects data on total production costs.
Type of Data Collection Operation: Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.
Data Collection and Imputation Procedures: Data collection is by personal enumeration. Imputation is based on enumerator observation or data reported by respondents having similar agricultural characteristics.
Estimates of Sampling Error: Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.
Other (nonsampling) Errors: Minimized through rigid quality controls on the collection process and careful review of all reported data.
Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service,* (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Multiple Frame Surveys*
Tables: See tables citing NASS in source notes in section 23, which pertain to this or the following survey.
Universe, Frequency, and Types of Data: Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, grain stocks, and farm labor characteristics; and to obtain farm economic data for price indexing.
Type of Data Collection Operation: Primary frame is obtained from general or special purpose lists, supplemented by a probability sample of land areas used to estimate for list incompleteness.
Data Collection and Imputation Procedures: Mail or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews. Imputation based on average of respondents.
Estimates of Sampling Error: Estimated CV for number of hired farm workers is about 3%. Estimated CV's range from 1-2% for regional estimates to 3-6% for State estimates of livestock inventories.
Other (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.
Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service,* (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

Source and Title: U.S. Department of Agriculture, National Agricultural Statistics Service (NASS), *Objective Yield Surveys*
Tables: See tables citing NASS in source notes in section 23, which pertain to this or the preceding survey.
Universe, Frequency, and Types of Data: Surveys for data on corn, cotton, potatoes, soybeans, wheat, rice, sorghum, and sunflower to forecast and estimate yields.
Type of Data Collection Operation: Random location of plots in probability sample of fields. Fields selected in June or December from Basic Area Frame Sample (see above).

Digitized by Google

Data Collection and Imputation Procedures: Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest. Harvest loss measured from post harvest gleanings.
Estimates of Sampling Error: CV's for national estimates of production are about 2-3%.
Other (nonsampling) Errors: In addition to above, replicated sampling procedures used to monitor effects of changes in survey procedures.
Sources of Additional Material: U.S. Department of Agriculture, SRS, *Scope and Methods of the Statistical Reporting Service*, (name changed to National Agricultural Statistics Service), Miscellaneous Publication No. 1308, September 1983 (revised).

(See section 1 above for information pertaining to the Census of Population and Current Population Survey and section 27 for information pertaining to table 1264.)

SECTION 26. CONSTRUCTION AND HOUSING

Source and Title: U.S. Bureau of the Census, *Monthly Survey of Construction*
Tables: 1208, 1209, and 1211-1214.
Universe, Frequency, and Types of Data: Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts and cabins). Data are collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)
Type of Data Collection Operation: Probability sample of housing units obtained from building permits selected from 16,000 permit-issuing places through 1984 and, beginning in 1985, 17,000 places. For nonpermit places, multistage probability sample of new housing units selected in 16 PSU's. In those areas, all roads are canvassed in selected enumeration districts.
Data Collection and Imputation Procedures: Data are obtained by telephone inquiry and field visit.
Estimates of Sampling Error: Estimated CV of 3% to 4% for estimates of national totals, but as high as 20% for estimated totals of more detailed characteristics, such as housing units in multiunit structures.
Other (nonsampling) Errors: Response rate is over 90% for most items. Nonsampling errors are attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.
Sources of Additional Material: U.S. Bureau of the Census, *Construction Reports*, series C20, *Housing Starts;* C22, *Housing Completions;* C25, *New One-Family Houses Sold and For Sale* and C27, *Price Index of New One-Family Houses Sold.*

Source and Title: U.S. Bureau of the Census, *Value of New Construction Put in Place*
Tables: 1200-1203.
Universe, Frequency, and Types of Data: Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction value include costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthly estimates.)
Type of Data Collection Operation: Varies by type of activity: Total cost of private one-family houses started each month is distributed into value put in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multiunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpolated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildings, and State and local government construction are obtained by mail from owners (or agents) for a probability sample of projects. Estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility companies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; estimates of Federal construction are based on monthly data supplied by Federal agencies.
Data Collection and Imputation Procedures: See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.
Estimates of Sampling Error: CV estimates for private nonresidential building construction range from 3% for estimated value of industrial buildings to 10% for miscellaneous buildings. CV is approximately 2% for total new private nonresidential buildings.
Other (nonsampling) Errors: For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures

Digitized by Google

Sources of Additional Material: U.S. Bureau of the Census, *Construction Reports*, series C30, *Value of New Construction Put in Place*.

Source and Title: U.S. Bureau of the Census, *Census of Housing*
Tables: 1221-1225.
Universe, Frequency, and Types of Data: Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.
Type of Data Collection Operation: For 1970 and 1980, a complete count of 12 housing items. In 1970, other items collected from 5% and 15% probability samples selected from two sets of detailed questions on housing (these two sets having some common items). In 1980, approximately 19% of the housing units were included in the sample.
Data Collection and Imputation Procedures: In 1970, a self-enumeration census using a mail-out/mail-back procedure was used in most areas. In 1980, mail questionnaires were used – in even more areas than in 1970, with personal interviews in the remainder. Followup for nonrespondents and identification of vacant units done by phone and personal visit.
Estimates of Sampling Error: Sampling errors for data are estimated for all items collected by sample and vary by characteristic and geographic area.
Other (nonsampling) Errors: Evaluation studies for 1980 estimated the underenumeration of occupied housing units at 1.5%. The missed rate in 1980 for all units was 2.6% or approximately 2.3 million units, 1 million of which were vacant housing units.
Sources of Additional Material: U.S. Bureau of the Census, *1980 Census of Population and Housing, The Coverage of Housing in the 1980 Census*, PHC80-E1, July 1985.

Source and Title: U.S. Bureau of the Census, *Annual Housing Survey*
Tables: See tables citing *Annual Housing Survey* in source notes.
Universe, Frequency, and Types of Data: Conducted nationally in the fall in odd numbered years to obtain data on the approximately 92 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, housing inventory changes, vacant units, new housing and mobile home units, financial characteristics, recent mover households, housing and neighborhood quality indicators, and energy characteristics.
Type of Data Collection Operation: The national sample was a multistage probability sample with about 71,800 units eligible for interview in 1983. Sample units, selected within 461 PSU's, were surveyed over a 3-month period.
Data Collection and Imputation Procedures: For 1983, about 75% of the survey was conducted by personal interviews with subsequent followup by telephone or personal visit. The remaining 25% of the sample was conducted by telephone interview.
Estimates of Sampling Error: For the national sample, illustrations of the S.E. of the estimates are provided in the appendix of each report. As an example, the estimated CV is about .4% for the estimate of the number of owner occupied housing units.
Other (nonsampling) Errors: Response rate was about 95%. Nonsampling errors may result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1983 national sample, approximately 6% of the total housing inventory was not adequately represented by the AHS sample. A reinterview study also indicates some inconsistencies in the data, especially in some attitudinal items.
Sources of Additional Material: U.S. Bureau of the Census, *Current Housing Reports*, series H-150 and H-170, *Annual Housing Survey*.

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1218.)

SECTION 27. MANUFACTURES

Source and Title: U.S. Bureau of the Census, *Census of Manufactures*
Tables: See tables citing *Census of Manufactures* in source notes in section 27 and also tables 890, 1264, 1367, and 1372.
Universe, Frequency, and Types of Data: Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 350,000 manufacturing firms in 1982.
Type of Data Collection Operation: Complete enumeration of data items obtained from 205,000 firms. Administrative records from Internal Revenue Service and Social Security Administration are used for 145,000 smaller single-unit firms, which were determined by various cutoffs based on size and industry.

Digitized by Google

Data Collection and Imputation Procedures: Five mail and telephone followups for larger nonrespondents. Data for small single-unit firms (generally those with fewer than 10 employees) not mailed census questionnaires were estimated from administrative records of IRS and SSA. Data for nonrespondents were imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977 (1982 not available).
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for later years are not available.
Sources of Additional Material: U.S. Bureau of the Census, *Census of Manufactures, 1977,* vol. I, *Subject and Special Statistics.*

Source and Title: U.S. Bureau of the Census, *Annual Survey of Manufactures*
Tables: See tables citing *Annual Survey of Manufactures* in source notes in section 27 and also table 1264.
Universe, Frequency, and Types of Data: Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.
Type of Data Collection Operation: Sampling frame is 350,000 firms in the 1982 Census of Manufactures (see above), supplemented by Social Security Administration lists of new manufacturers and new manufacturing establishments of multi- establishment companies identified by the Census Bureau's Company Organization Survey from which a probability sample of 55,000 establishments is selected. All establishments with 250+ employees are included along with a probability sample of smaller establishments.
Data Collection and Imputation Procedures: Survey is conducted by mail with phone and mail followups of nonrespondents. Imputation (for all nonresponse items) is based on previous year reports, or for new establishments in survey, on industry averages.
Estimates of Sampling Error: Estimated CV's for number of employees and for value added totals are given in annual publications. For State totals, most estimated CV's are 2% or less, but vary considerably for detailed characteristics.
Other (nonsampling) Errors: Response rate is about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.
Sources of Additional Material: U.S. Bureau of the Census, *Annual Survey of Manufactures,* and Technical Paper 24.

SECTION 28. DOMESTIC TRADE AND SERVICES

Source and Title: U.S. Bureau of the Census, *Census of Wholesale Trade, Census of Retail Trade, Census of Service Industries*
Tables: See tables citing the above censuses in source notes in section 28 and table 1372 in section 30.
Universe, Frequency, and Types of Data: Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1977, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments in retail trade or service industries. In 1982, for service industries and retail trade summary data for all establishments are available; kind of business detail by State is available only for establishments with payroll.
Type of Data Collection Operation: All wholesale firms with paid employees surveyed; all retail and service large employer firms surveyed (i.e. all employer firms above the payroll size cutoff established to separate large from small employers) plus a 10-percent sample of smaller employer firms. Firms with no employees were not required to file a census return.
Data Collection and Imputation Procedures: Mail questionnaire is utilized with both mail and telephone followups for nonrespondents. Data for nonrespondents and "nonselected" firms in retail trade and service industries are obtained from administrative records of IRS and the Social Security Administration.
Estimates of Sampling Error: Not applicable.
Other (nonsampling) Errors: Response rate in 1982 of 87% for single establishment firms; 91% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.
Sources of Additional Material: U.S. Bureau of the Census, Appendix A of *Census of Retail Trade,* vol. I; *Census of Service Industries,* vol. I; *Census of Wholesale Trade,* vol. I; and *History of the 1977 Economic Censuses,* December 1980.

Digitized by Google

Source and Title: U.S. Bureau of the Census, *Current Business Surveys*
Tables: 1304-1307, and 1316.
Universe, Frequency, and Types of Data: Provides monthly estimates of retail sales by kind of business and geographic area, and end-of-month inventories of retail stores; wholesale sales and end-of-month inventories; and receipts of selected service industries. (Service monthly survey discontinued after Dec. 1981.)
Type of Data Collection Operation: Probability sample of all firms from a list frame and, additionally, for retail and service an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the list frame.
Data Collection and Imputation Procedures: Data are collected by mail questionnaire with telephone followups for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.
Estimates of Sampling Error: CV's are about 1.0% for estimated total retail sales, 2.4% for wholesale sales, 2.0% for wholesale inventories, and 1.5% for selected service receipts. Sampling errors are shown in monthly publications.
Other (nonsampling) Errors: Imputation rates are about 10%-15% for monthly retail sales and wholesale sales and about 20%-25% for monthly wholesale inventories.
Sources of Additional Material: U.S. Bureau of the Census, *Current Business Reports, Monthly Retail Trade, and Monthly Wholesale Trade. Monthly Selected Services Receipts* discontinued after Dec. 1981.

Digitized by Google



Appendix IV

Index to Tables Having Historical Statistics, Colonial Times to 1970 Series

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*]

Historical Statistics series	1988 *Abstract* table number
A	
A 6–8	2
A 9–22	3
A 23–25	13
A 29–41	13
A 119–134	20
A 143–149	17
A 158–159	126
A 160–171	46
A 172	21
A 195–196	21
A 204–209	26
A 210–263	318
A 264–275	31
A 288–319	56
A 320–334	58
A 335–349	59
A 353–358	67
A 359–371	74
B	
B 1–5	81
B 5–10	83
B 11	82
B 12–20	83
B 20–27	84
B 28–35	87
B 49–66	95
B 107–115	106
B 116–125	107
B 136–147	113
B 142	81
B 149–166	117
B 163–165	123
B 167–179	110
B 181–192	110
B 214–220	126
B 221–235	131
B 222–232	132
B 248–261	130
B 262–272	138
B 275–290	143
B 291–303	169
B 305–318	155
B 331–344	155
B 359–362	156
B 384–387	153
B 401–412	141
B 413–422	155
C	
C 1–10	44
C 25–75	25
C 76	1053
C 89	7
C 143–157	9
C 144	284
C 149–157	392
C—Con.	
C 158–160	284
C 296–331	391
D	
D 11–19	607
D 29–41	609
D 42–48	608
D 49–62	623
D 85–86	607
D 87–101	632
D 116–126	613
D 127–141	640
D 142–151	642
D 689–704	644
D 802–810	642
D 877–892	642
D 918	149
E	
E 23–34	735
E 23–29	736
E 73–86	734
E 135–173	738
E 203–211	756
F	
F 10–16	685
F 297–348	681
F 566–594	684
G	
G 1–8	699
G 16–23	699
G 31–138	701
G 179–188	705
G 190–192	699
G 197–199	699
G 205–256	708
G 257–268	710
G 851–856	187
G 881–915	184
H	
H 1–47	552
H 51–56	559
H 57–69	560
H 115–124	574
H 125–171	558
H 172–185	562
H 197–229	565
H 238–242	564
H 262–270	572
H 305–317	582
H—Con.	
H 332–345	583
H 346–354	589
H 355–367	588
H 392–397	587
H 398–411	600
H 421–429	189
H 442–476	196
H 513–519	190
H 535–544	223
H 598–601	232
H 602–617	202
H 690–692	243
H 699–705	235
H 705	243
H 710	235
H 729–738	245
H 747–749	245
H 751–763	254
H 793–799	76
H 806–828	357
H 829–835	360
H 862–864	373
H 865–870	372
H 871	373
H 872	372
H 874	373
H 875–876	377
H 877	373
H 899–920	388
H 921–940	390
H 948–951	389
H 952–961	263
H 971–978	268
H 979–986	125
H 987–998	283
H 999–1011	278
H 1012–1027	268
H 1028–1062	290
H 1063–1078	292
H 1079–1096	293
H 1097–1111	294
H 1112–1118	296
H 1119–1124	300
H 1135–1140	305
H 1155–1167	313
J	
J 1–2	319
J 3–6	321
J 10–15	506
J 26–32	506
J 33–34	1118
J 41–42	507
J 50–66	320
J 71	320
J 76	320
J 92–103	328
J 110–136	345
J 164–267	345
J—Con.	
J 268–278	344
K	
K 1–2	1053
K 4–7	1056
K 16	1066
K 82–113	1061
K 142–146	1060
K 162–173	1059
K 174–176	1053
K 184–191	1096
K 192	1074
K 195–203	1084
K 204–219	1067
K 251–255	1096
K 259–260	1074
K 264–265	1074
K 266–302	1076
K 326	1077
K 330–343	1081
K 344–353	1080
K 358–360	1083
K 361–367	1068
K 376–380	1068
K 407–413	1089
K 414–429	1091
K 430–444	1089
K 445–485	1090
K 486–495	1085
K 496–499	1092
K 502–505	1102
K 506–563	1100
K 561–563	1106
K 575–582	1112
K 583–594	1111
K 595–608	1116
K 609–623	1115
K 611	1114
K 614	1114
K 617	1114
K 621	1114
L	
L 10–14	1117
L 15–31	1118
L 72–86	1122
L 87–97	1123
L 98–112	1126
L 113–121	1127
L 122–137	1126
L 151–170	1132

Digitized by Google

Index to Tables in Which *Historical Statistics* Series Appear—Continued

[See headnote, p. 898]

Historical Statistics series	1988 *Abstract* table number
L—Con.	
L 172	1129
L 174	1129
L 175	1131
L 178–191	1129
L 192–196	1130
L 199–205	1125
L 206–210	1124
L 212–223	1121
L 224–226	1136
L 227–228	1148
L 229	1136
L 230–235	1148
L 236–253	1138
L 254–261	1135
L 262–293	1140
L 305–310	1137
L 312–318	1149
L 336–358	1145
L 362–365	1146
M	
M 1–12	1153
M 13–37	1154
M 66–71	1152
M 76–92	902
M 93–126	1175
M 127	923
M 128	923
M 138–142	1166
M 143–146	1174
M 147–161	1173
M 162–177	1167
M 178	1166
M 181	1166
M 188–194	1177
M 201–202	1178
M 203–204	1177
M 205–211	1179
M 225–226	1186
M 231–234	1184
M 235–241	1182
M 242–248	1181
M 249–250	1188
M 256–257	1189
M 258–262	1190
M 266–267	1187
M 268–269	1180
M 271–286	1163
N	
N 1–29	1201
N 66–69	1201
N 78–100	1204
N 118–137	1199
N 140–155	1198
N 156–163	1209
N 170	1209
N 186–191	1234
N 238–245	1223
N 249–258	1230
N 266–267	791
N 273	793
N 276	793
N 291–297	1235

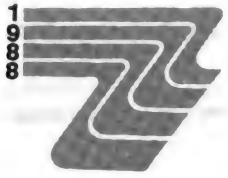
Historical Statistics series	1988 *Abstract* table number
N—Con.	
N 302–307	1224
P	
P 1–12	1241
P 13	1249
P 18–39	1249
P 58–67	1242
P 74–92	1247
P 93–106	865
P 229–230	1267
P 235	1263
P 236a	1263
P 239–241	1266
P 242–243	1271
P 260–261	1272
P 265–269	1277
Q	
Q 1–22	979
Q 36–42	978
Q 50–51	982
Q 55	982
Q 69–75	1012
Q 90–94	986
Q 136–147	989
Q 148–155	992
Q 156–162	1003
Q 163–174	820
Q 199–207	1002
Q 208	997
Q 224–232	997
Q 233–234	988
Q 238–250	1011
Q 284–312	1017
Q 319	1017
Q 330	1017
Q 332	1019
Q 356–378	1017
Q 400–401	1017
Q 414–416	1047
Q 436–448	1043
Q 449–458	1045
Q 473–480	1049
Q 487–502	1044
Q 507–517	1041
Q 577–590	1024
Q 591–603	1023
Q 604–623	1028
Q 624–633	1024
R	
R 31–45	882
R 46–70	881
R 75–88	881
R 140–148	884
R 163–171	872
R 172–186	875
R 187	874
R 188–191	876
R 191–216	368
R 224–231	892

Historical Statistics series	1988 *Abstract* table number
R—Con	
R 232–243	891
S	
S 1–14	903
S 32–52	930
S 78–82	930
S 86–107	930
S 133–146	936
S 160–175	946
S 190–204	942
S 205–218	941
T	
T 43–47	1300
T 79–196	1301
T 197–219	1306
T 245, 246, 255	1304
T 245–271	1305
T 274–287	1315
T 280–371	1316
T 391–443	1319
T 444–471	898
T 472–484	897
U	
U 1–25	1329
U 26–39	1330
U 41–46	1336
U 47–74	1332
U 75–166	1338
U 190–195	1342
U 207–212	1351
U 225–248	1343
U 264–273	1346
U 274–294	1349
U 295–316	1350
U 317–352	1345
V	
V 1–12	823
V 20–30	834
V 42–53	825
V 129–136	846
V 167–183	848
V 197–212	936
W	
W 14	643
W 17	643
W 19	643
W 22–25	644
W 30–54	643
W 62–65	643
W 67–81	1089
W 82–95	895
W 96–108	871
W 109–125	950
W 126	951

Historical Statistics series	1988 *Abstract* table number
W—Con.	
W 142	953
W 144–160	954
W 167	963
X	
X 114–147	767
X 192	766
X 229	766
X 410–417	800
X 444–453	803
X 454–455	802
X 474–491	805
X 492–498	807
X 517–530	806
X 536–539	813
X 551–560	795
X 588–609	778
X 716–724	774
X 741	780
X 748	780
X 756	780
X 761	780
X 864–878	787
X 879–889	816
X 890–917	814
X 918	819
X 921	819
X 926	819
X 933	819
X 940	819
X 957–962	821
Y	
Y 79–83	397
Y 84–134	398
Y 135–186	399
Y 189–198	405
Y 199–203	406
Y 204–210	404
Y 211–214	401
Y 272–307	461
Y 308–317	501
Y 318–331	498
Y 335–338	471
Y 339–342	470
Y 358–373	467
Y 393–411	468
Y 412–439	491
Y 458–460	510
Y 461	477
Y 493–494	477
Y 497	478
Y 500–504	478
Y 505–637	431
Y 638–651	435
Y 652–848	431
Y 856–903	534
Y 943–956	544
Y 971–983	547
Y 998–999	548

192-073 O - 88 - 30 : QL 3

Digitized by Google



Appendix V

Index to Tables Having State and Metropolitan Area Data Book Series

[The 1986 edition of the State and Metropolitan Area Data Book (see inside back cover) contains almost 2,000 subject items of comparative data for States, regions, and divisions. Listed below are the *Statistical Abstract* tables in this edition and the item numbers from table C (the State table) in the State and Metropolitan Area Data Book (SMADB) for which similar, though not necessarily comparable, comparative State data are presented. Both national-level and State-level *Abstract* tables are linked to the items in table C in order to provide easy reference to more detailed statistics]

1988 *Abstract* table number	1986 *SMADB* table C item number
Section 1	
1	1–10, 18–21
2	5–10
6	26–32
15	33–37
21–23	5–25
25	26–32
28	33–37
24	115–118
38	38–41
30, 31	48–62
20, 26	63–82
18	83
39	68, 74, 79
40	70, 75, 80, 87, 93, 103, 142, 143
43	84–99
19	100–106
44	110
46–48	119, 120
56, 59–61	121–138
62	139–143
63, 73	137, 138, 143
66, 70	129–136
74	144
Section 2	
81	145–159, 172–232
83–85	145–159
103–105	160–171
110–112	172–183, 196–212
113, 116	184–195
117–119	196–212
118	176–183
120	197, 204, 211
122, 123	198, 205, 212
126	213–232
128	213–222
Section 3	
132–134	282–299
143	233–248
144	233–242
145	233–246
146	233, 242
155, 156	249–268
Sec. 3—Con.	
158, 159	269, 270
161, 162	271–274
164, 165	275–281
Section 4	
189	418–452, 503–529
190	475–486, 542–553
191	466–474
193–195	426–452, 509–529
197	426–458, 487–498
199	426–443, 516, 519, 522, 525, 529
200	418–425
201–203	569–572
206	426–443, 453–458, 466–496
207	418–425
208	426–443
211	487–494
213	493, 494
217	466–486
228	499–502
232	499–502, 557–568
235	503–559
236, 244	509–529
245	530–553
254	557–568
Section 5	
263, 265	573–615
286, 289	619–632
301	655–662
302	649–653, 651
304	642–648
307	635–641
305, 309	633, 634
311–313	
Section 6	
318	1–4, 693–706
320	693–706
322, 323	693–708
328	720–727
331–333	728–737
Sec. 6—Con.	
343	736–740
Section 7	
357–359	713–715
360	717
362	718, 719
Section 8	
397–399	1764–1777
400	1778–1789
401	1790–1797
403	1798–1805
404, 407	1809–1820
411, 412	1821–1828
413, 414	1829–1836
415	1855–1857, 1858
416	
417	1859–1861
419, 422	1837–1846
422	1847–1854
Section 9	
429	1044–1048
430, 431	978–991, 1010–1030, 1049–1067
435, 436	992–1000
437, 441	978–991
439	985, 988, 991, 1026, 1027, 1030, 1063, 1064
442, 444	1010–1037
443	1001–1009
445	1031–1040
451	1049–1054
452	1044–1048
461, 462	954–960, 1074–1091
465, 466	1074–1091
Section 10	
485	941–954
488, 493	973–978
494, 495, 497, 504, 505, 518	954–966, 693–695
Section 11	
515	957, 963
543, 544	1862–1868
546	1869–1873
Section 12	
552–555	305–309, 313–315, 323–328, 340–344, 360–362, 370–373, 389, 396, 402
558	316–331
565, 566	316–331
575, 576	300–309
578	300–315
580	310–315
583, 584	404–407
581, 582	382–403
587	408–413
589	340–344, 360–362
588	335–365
590	335–365
591–593	366–381
Section 13	
605	741–745, 753–783
607	741–783
608	741–752, 760, 772, 775, 778, 781
610	741–783
611	741–747, 753–766
612	753–755
623	744, 750
632–634	763–783
635	764–766
638	763–783
640–642	784–806, 822–825
646	807–821
649	822–825
Section 14	
678, 681, 682	842–903
690–692	907–911
699, 700, 703	904–906
706	904–906
	912–923
712–715, 718	924–935
723–725	936–940

Digitized by Google

Index to State Statistics in the 1986 Edition of the *State and Metropolitan Area Data Book*—Continued

1988 *Abstract* table number	1986 *SMADB* table C item number
Section 16	
777, 778	1729–1742
786, 788	1745–1754
814–816, 818	1755–7163
Section 17	
823–825	1092, 1093
831, 832	826–841
	1127–1138
834, 835	1098–1109
Section 18	
878	1604–1,635
887, 888	1627–1635
890	1598–1600
892–894	1604–1621
Section 19	
904–909	1520–1538
910, 911	1539–1564
912, 913	1535–1552, 1560
925	1310
930	1565–1578
932	1565–1578
933	1573–1578
934, 936	1579–1587
937	1570,1577
942, 943	1588–1597
Section 20	
949, 951	1139–1151
952, 953	1139–1145
Sec. 20—Con.	
954, 955	1146–1151
960, 961	1152,1153
Section 21	
978	797, 798
980	1076–1081
982, 983	1419–1428
985	1441–1454
986	1453–1454
987	995
988	1451–1452
989	1455–1456
990	1457–1473
991, 992	1460–1473
997, 998	1476–1481
999, 1000	1482–1485
1001	1457–1458
1002	1432–1440
Section 22	
1024	1499–1504
1025	1505–1510
1028	1491–1498, 1511–1519
Section 23	
1053, 1055	1154–1158
1056, 1057	1159–1170
1058	1185,1197–1217
1059, 1060	1185–1205
1061	1188–1191
1062	1218–1221
1065, 1066	1171–1184
Sec. 23—Con.	
1067, 1068	1239–1244
1070	1239–1248; 1261–1266
1074, 1076	1245–1266
1077	1258–1260
1079	1245–1247, 1261–1266
1078	1248–1260
1092	1267–1269
1093	1274–1276
1099	1267–1273
1100	1274–1276
1102	1274
1103	1275
1104	1276
1111	1279,1280
1112, 1113	1277,1278
1114, 1115	1282,1283
1116	1281
Section 24	
1117	716
1120	716
1121	1319–1322
1134	1323–1324
1135, 1138	1329–1334
1136	1323–1328
1140	1323–1328
Section 25	
1150	1284–1301
1153	1284–1301
1154	1302–1315
1155	1284–1301
Sec. 25—Con.	
1156	1302–1309
1157	1297
1158	791, 792, 814
1165, 1166	1310, 1313, 1316
1172	1310,1311
1173	1311, 1313, 1317
1175	1312, 1315, 1318
Section 26	
1197	1335–1348
1204, 1205	1349–1356
1206, 1207	1357–1364
1208–1210	1365–1368
1221–1223	663–692
1225	684–686
Section 27	
1241, 1242, 1244	1369–1407
1256, 1257	1399–1408
Section 28	
1300	1655–1692
1301	1655–1692
1310	1674–1686
1314	1636–1654
1315, 1317	1636–1654
1318, 1319, 1326	1693–1721
1324, 1325	1701–1713

Digitized by Google

Index

Table

A

Abortions 103–105, 160
Abrasives 1153, 1154
Absent without authority (military personnel) 539
Accident and health insurance 822
Accidents and fatalities 167, 980, 997, 1001, 1017, 1163
  Aircraft 123, 980, 1024
  Deaths and death rates 115, 117–123
    Foreign countries 1382
    Infants 115
  Drownings 117, 123
  Falls 117, 123
  Fires 317
  Industrial 123, 663, 664, 1163
  Motor vehicle 117, 123, 167, 997–1001
  Motorcycle 997–999
  Police officers assaulted, killed 283
  Railroad 1017, 1020
  Tanker casualties 1048
  Transportation 123, 980
Accounting:
  Employment 627, 1320
  Establishments, employees, payroll 1320
  Receipts 1321
  Salary offers 212, 253
    Projections 626
Accounting machines, shipments 1284
Acetate, distribution 1269
Acquired immuno-deficiency syndrome (AIDS) 169, 170
Acquisition of territory by the U.S 319, 321, 322
Acreage. *See* Farms *and* Land.
Acrylic, distribution 1269
Admission to Statehood 318
Adoptions 594
Adults under correctional supervision 308
Advertising:
  Establishments, employees, payroll 1320
  Expenditures 869–902
  Help-wanted advertising 639
  Magazines 899
  Receipts 1321
  Television 900–902
Aerobics 365, 374, 375
Aeronautics and space technology 966
Aeronautics, civil. *See* Air transportation.
Aerospace and defense industry:
  Earnings per share 867
  Return on equity 867
  Sales 867
Aerospace industry, summary 1031
  Exports 1034
  Sales 1033
Aerospace products, space vehicle systems 973
Afghanistan. *See* Foreign countries.
AFL–CIO 665
Africa. *See* Foreign countries.
Age of population. *See* Population.
Agents. *See* Brokers, dealers, and agents.
Aggravated assault 263–266, 271
Agricultural implements and machinery 1066, 1344, 1348
  Foreign trade 1344, 1348
  Manufacture 1242
    Corporation sales, profits, and dividends 860
    Employees 1242, 1290
    Expenditures for new plant and equipment 1242
    Shipments 1248, 1278, 1290
  Price indexes 735
Agricultural loans. *See* Farm mortgage loans.
Agricultural nonprofit associations 80
Agricultural prices 752
Agricultural products. *See* Farms *and individual products.*
Agricultural sciences:
  Degrees conferred 255, 257
  Employment 965
Agricultural services, by type, establishment, employees, and payroll 832
Agriculture (*see also* Farms *and* Farmers and farmworkers):
  Advertising expenditures 900–902
  Aid to foreign countries (Public Law 480) 1095, 1337
  Balance sheet of the farming sector 1067
Agriculture—Continued
  Employees 627, 1255
  Employment projections 626, 63
  Federal aid to State and local governments 435
  Federal expenditures 471, 951
  Financial stress indicators 1071
  Foreign ownership of U.S. agricultural land 1064
  Outlying areas of U.S 1371
  Revenue losses due to Federal tax laws 475
  Unemployment 635
  Rate 635, 636
Agriculture, forestry, and fisheries (*see also individual industries*):
  Corporations, partnerships, and proprietorships 825, 826
  Employees 630
    Compensation 645
    Injury rates 663, 664
  Gross product 67
  Income and profits 825, 864
  Partnerships 825
  World summary 137
Aid to families with dependent children 557, 588, 590
  States 590
AIDS (Acquired immunodeficiency syndrome) 169, 170
Air conditioning:
  Exports 1348
  Homes with 122
  Shipments and retail value 129
Air Force, Department of:
  Aircraft on hand 525, 526
  Personnel 530, 534, 535, 537, 540
    Desertion and AWA rates 539
    National Guard 542
Air pollution 331–333
  Expenditures for abatement 339–341, 343
Air traffic control specialists 1029
Air traffic hubs, summary 1025
Air transportation (*see also* Aircraft):
  Accidents and deaths 123, 980, 1024
  Air traffic hubs 1025
  Certificated route air carriers, summary 1024, 1029
    Revenues and expenses, summary 1023, 1028
    Service and traffic 101
  Civil aviation 1029
  Cost indexes 1029
  Employees earnings 642
  Federal outlays 991
  Hijacking incidents 1029
  Injury rates 664
  Passenger outlays 978
  Regional airlines 102
  Scheduled air carrier operations 1024
  Shipments, foreign trade 1036
  Traffic carried 381, 979, 1017, 1024, 102
  Traffic hubs 1025
Aircraft:
  Accident deaths 123, 980, 1024
  Civil 1028, 1033
    Certificated route air carriers 1023, 1024
      Revenues and expenditures 1023
  Employment and earnings 642
  Engines and parts 1032, 1344
  Foreign trade 1034, 1348, 1350
  Horsepower 803
  Manufacture 1242
    Employees 642, 1030, 1242
      Earnings 642, 1030
      Scientists and engineers 963
    Employment projections 63
    Expenditures for new plant and equipment 1242
    Profits and assets 860
    Research and development expenditures 964
    Sales and orders 860, 1032, 1033
    Shipments 1242, 1249
    Value added 1242
  Military 521, 525–527
  Operating expenses, cost indexes 1029
  Regional airlines 102
  Shipments 1029
  Value of shipments 1295
Airline cost indexes 1029
Airline operations, summary 1023, 1024, 102

Digitized by Google

Table

Airmail service ... 875
Airports or airfields ... 505, 981, 1028
City expenditures ... 455
Federal aid to State and local government ... 435
Federal outlays ... 981
Serving large air traffic areas or hubs ... 1025
Serving regional airlines ... 1027
Alabama. *See* State data.
Alaska. *See* State data.
Alaska Purchase ... 319–321
Albania. *See* Foreign countries.
Alcohol use, dependence ... 160, 178–181
Alcoholic beverages (*see also* Liquors and beverages):
Consumption ... 178–181, 186, 1263
Drinking ages ... 453
Fatal accidents ... 1030
Production ... 1323
Alewives, catch ... 1140
Algeria. *See* Foreign countries.
Aliens. *See* Immigration *and* Foreign countries.
Deported ... 284
Almonds ... 1010
Altitudes, geographical ... 324
Aluminum and manufactures: Foreign trade ... 1160, 1162, 1164, 1190, 1348, 1350
Imports as percent of consumption ... 1164
Mill products, shipments ... 1276
Prices ... 747, 1190
Export ... 744
Production and value ... 1160, 1190
World ... 1408
American College Testing Program ... 226
American Federation of Labor (AFL) ... 665
American Indian. *See* Minority Groups.
American Revolution, cost ... 522
American Samoa. *See* Outlying areas of U.S.
American Stock Exchange ... 807
American wars, cost ... 522
Amtrak ... 1017
Amusements (*see also* Recreation):
Advertising expenditures ... 902
Employees ... 395, 630, 1299
Gross national product, origin in ... 1298
Motion picture theaters ... 983, 979
Performing arts ... 382, 383
Receipts ... 373, 395, 1321
Service industry, summary ... 1319
Anchovies, imports ... 1139, 1140, 1149
Anesthesiologists ... 146, 150
Angola. *See* Foreign countries.
Animal oils and fats. *See* Oils, animal.
Animal products (*see also individual products*):
Consumption ... 184, 1111
Farm income ... 1074, 1076, 1078
Farm output and marketing indexes ... 1089, 1091
Foreign trade ... 1097, 1098, 1111
Producer price indexes ... 736
Production ... 1111–1113, 1116
Animals, domestic (*see also individual classes*):
Farm income and expenditures for ... 1074, 1076
Farm productivity indexes ... 1089–1091
Foreign trade ... 1111
Grazing, national forests ... 1118
Inspected and slaughtered ... 1111
Inventory and production ... 1112, 1113
Livestock, commodity futures trading ... 812
Number and value, on farms ... 1113
Prices:
Producer price indexes ... 734–737
Spot market ... 731
Work animals, horsepower of ... 903
Annuities. *See* Pensions and retirement benefits.
Antimony, production and supply ... 1154, 1164
Apparel, related products and services:
Advertising expenditures ... 899–901
Consumer prices and indexes ... 738
U.S. and foreign countries ... 1401
Earnings per share ... 867
Expenditures ... 888
Foreign trade ... 1258–1261
Manufacture:
Corporation sales, profits, and dividends ... 860
Employees ... 641, 642, 1256
Earnings ... 642
Projections ... 631
Injury rates ... 564
Production ... 1271
Producer price indexes ... 735
Retail trade:
Employees ... 642, 1301, 1302
Earnings ... 642

Table

Apparel, related products and services—Continued
Retail trade—Continued
Establishments ... 1301, 1308
Inventories ... 1307
Sales ... 1305, 1306, 1308
States ... 1310
Summary ... 1301, 1302
Return on equity ... 867
Sales ... 867
Wholesale trade summary ... 1315
States ... 1317
Appeals, U.S. Court of, cases ... 293
Apples:
Consumption ... 184, 185
Production and value ... 1110
Appliances, household (*see also* Electric machinery *and* Housefurnishings):
Homes with ... 1207, 1393
Manufacture:
Employees ... 642, 1242
Earnings ... 642
Expenditures for new plant and equipment ... 1242
Shipments and value ... 1248, 1297
Value added ... 1242
Retail sales ... 1242, 1305, 1308
Inventories ... 1307
Retail trade, summary ... 1301, 1302
Apricots ... 1110
Architectural services. *See* Engineering.
Area of:
Foreign countries ... 1374, 1378
Forest land ... 1117, 1119
Outlying areas of U.S. ... 3, 318, 319
Parks ... 358, 362
United States ... 1, 3, 22, 318, 1378
Cities ... 38
Land ... 1
Public domain ... 321, 322
States ... 318
Territorial expansion ... 319
Water ... 1, 318, 326
World ... 1378
Argentina. *See* Foreign countries.
Arizona. *See* State data.
Arkansas. *See* State data.
Armed Forces ... 525, 526, 528, 530–532, 534–537, 539, 540, 542
Foreign countries ... 1425
Personnel on active duty, by grade ... 537
Population abroad ... 2
Arms exports and imports ... 519
Arms export market ... 520
Army personnel ... 530, 534, 535, 537, 540
Desertion and AWA rates ... 539
National Guard ... 542
Reserve Officers Training Corps ... 536
Army, Department of the:
Military forces ... 525
Arrests ... 278, 279, 280
Arteriosclerosis, deaths ... 117, 119
Arthritis and rheumatism ... 172, 173, 174
Arts and humanities (*see also* Performing arts):
Activities ... 382
Aid to ... 384, 385
Attendance ... 383
Business support ... 384
Federal aid ... 385
Grants, foundations ... 603
Philanthropy ... 601
State appropriations ... 386
Asbestos ... 1154, 1160, 1164
Asia. *See* Foreign countries.
Asian and Pacific Islanders. *See* Minority groups.
Asphalt, production and value ... 1154, 1167
Producer price indexes ... 1198
Assault ... 266, 271, 273
Assets:
Banks ... 777
Flow of funds accounts, institutions ... 765–767
Personal, U.S. and by States ... 723–725
Savings institutions ... 785
Wealth ... 723–728
Associations, national, nonprofit ... 80
Asthma ... 118, 160
Athletic associations ... 80
Athletic goods. *See* Sporting and athletic goods.
Atomic energy, defense activities, expenditures ... 509
Audio and video products, shipments ... 371
Auditing. *See* Accounting.

Digitized by Google

Table

Australia. *See* Foreign countries.
Austria. *See* Foreign countries.
Automated teller machines 797
Automobile loans 796
Automobile rentals and leasing 1320, 1321
Automobile service and repair 642
  Employees 641, 642, 1299
    Earnings 642
    Injury rates 664
  Gross national product, origin in 1298
  Receipts 1321, 1326
  Summary 1319, 1320
    Employees 1320
    States 1326
Automobiles (*see also* Motor vehicles):
  Cost of ownership 1010
Automotive products. *See* Motor vehicles, tires and tubes, etc.
Aviation communication, private radio stations 884
Avocados 1110

B

Bahamas, The. *See* Foreign countries.
Bahrain. *See* Foreign countries.
Bakeries, retail trade summary 1320
Bakery products (*see also* Cereal and bakery products):
  Manufacture 1242
    Employees 641, 642, 1242
    Earnings 664
    Expenditures for new plant and equipment 1304
    Output per hour, index 643
Balance sheet, corporate business 845, 846
Balance sheet of the farming sector 1067
Bananas:
  Consumption 185
  Production and value 1110
Bangladesh. *See* Foreign countries.
Bankruptcies filed and pending 837, 838
Banking (*see also* Finance, insurance, and real estate):
  Assets and liabilities 771, 776–779, 781, 783
  Automated teller machines 797
  Capital accounts 778
  Checking accounts 797, 798
  Closed banks, financial difficulties 780
  Consumer credit 796
  Debits to deposit turnover 801
  Demand deposits 777, 781, 800
  Direct deposit 797
  Electronic fund transfers 797
  Employees 641, 642, 763, 764
    Earnings 642
    Injury rates 664
    Payroll 764
  Equity capital 799, 867
  Establishments 764
  Federal Reserve Banks 771, 772, 774, 802
    U.S. securities held 479
  Flow of funds 765–767, 769
  Foreign banking offices in United States 766, 781
  Foreign lending 784
  Gross national product in 762
  Holding companies 776
  Insured banks 771, 774, 778, 780, 783, 804
  Loans 778, 781, 791, 796
  Mortgage debt 791–793
  Mutual savings banks 766, 793
  Noninsured banks 780
  Number 771, 782
  Offices 774, 775, 776, 781
  Robbery 270
  Savings accounts 798
  States 777
  Time (or savings) deposits 684, 777, 781, 800, 804
Barbados. *See* Foreign countries.
Barite 1154, 1160
Barium 1164
Barley 1373
Bars. *See* Eating and drinking places.
Baseball 365, 372, 374, 375
Basketball 365, 372, 374, 375
Battlefield parks and sites, national 358
Bauxite, summary 1153, 1154, 1160, 1189
  Foreign trade 1189
  Import prices (crude) 744
  Mining industry 1153, 1154, 1160
    Production and value 1154, 1160
  Production, world 1408
Beans:
  Acreage, production, and value 1109

Table

Beans—Continued
  Consumption (dry edible) 185
Beauty shops 1320, 1321
Beef (*see also* Meat and meat products):
  Consumption 184, 1111, 1386
    Foreign countries 1386
  Foreign trade 1111
  Prices, import and retail 744, 749
  Production 1111
Beef and pork expenditures 689
Beer. *See* Malt liquors.
Belgium. *See* Foreign countries.
Belize. *See* Foreign countries.
Belting, leather, manufacture, summary 1242
Benin. *See* Foreign countries.
Berries 1139
Beryllium concentrate 1154
Beverage factories (*see also* Liquors, etc.) 1242
  Employees 641, 642, 1242
    Earnings 642
  Expenditures for new plant and equipment 1242
Beverages, nonalcoholic:
  Advertising expenditures 900, 901
  Consumption 184, 188
  Percent of personal consumption expenditures, foreign countries 1386
  Producer price indexes 735
Bhutan, area and population 1379
Bicycles:
  Expenditures, personal 365
  Imports and shipments 371
  Manufacture, summary 1242
  Participation 374, 375
  Theft 271
Bills vetoed, Congressional 406
Biological sciences:
  Degrees conferred 269
  Employment 265
Births and birth rates 6, 15, 81, 83–86, 88, 99, 101, 102
  Births to single or unmarried women 86, 90, 94
  Birth weight 86, 88
  Black population 86, 88, 94, 102
    Projections 15
  Breastfeeding 91
  Cesarean section deliveries 90
  Characteristics of mother 90, 93–95, 102
  Children ever born 80
  Delivery procedures 157
  Expectations 98, 99
  Family planning 102
  First births 92–94
  Foreign countries 1380
  Hispanic population 86
  Minority groups 84, 88
  Outlying areas of U.S. 1354, 1358
  Prenatal care 89, 90
  Race 84, 87, 94
  States 25, 85, 89
  Unwanted births 101
Birth weights 86, 88, 89
Black lung benefit program 558, 565
Black population (*see also* Minority groups) 17
  Abortions 103–105
  Age and/or sex 16–18, 20, 43
    Projections 16
  AIDS 170
  Alcohol use 178, 181
  Arrests 279
  Births and birth rates 15, 83–86, 88, 94, 96, 98, 99
    Births to single women 90
    Expectations 98, 99
  Black-owned firms 840
    Wealth 727, 729
  Cancer 176
  Children under 18 69
    Poverty 714, 715, 717
  Chronic conditions 173, 177
  Cigarette smoking 179
  Cities 36
  Components of population change 15
    Projections 15
  Contraceptive use 100
  Criminal victimizations 274, 275
  Deaths and death rates 15, 109–111, 113, 116, 119, 124
  Disability days 188
  Disabled persons 586
  Discretionary income 699
  Drug usage 181
  Elderly 715, 718
  Elected officials 415

Digitized by Google

Table

Black population (*see also* Minority groups)—Continued
Employment status:
High school graduates and dropouts ... 230
Families, characteristics ... 65–67
Family income ... 699
Educational attainment ... 703
Farmworkers ... 1088
Federal employees, by pay category ... 503
Fertility, fertility rate ... 95, 97
Group quarters ... 74
Health insurance coverage ... 140
Home crime prevention measures ... 281
Homicides ... 268
Household income ... 690–695, 697
Households, characteristics ... 59, 60, 70
Assets ... 799
Housing tenure ... 1223
Illness ... 171
Immigration ... 11
Income ... 690, 693, 702, 710
Infant deaths ... 113, 115
Jail inmates ... 302–304
Labor force ... 608
Earnings, wage and salary workers ... 651
Employed:
By industry ... 630
By occupation ... 627
Educational attainment ... 626
Multiple job holders ... 618
Occupation ... 626
Union membership ... 667
Employment status ... 605, 636
Age ... 611
Educational attainment ... 620
School enrollment, persons 16 to 24 years old ... 621
Unemployed ... 632
By educational attainment ... 634
Government employees and salaries, state and local government ... 460
Recreation activities ... 378
Unemployment rate by educational attainment ... 634
Life expectancy ... 106, 107, 109
Marital status ... 51, 52
Metropolitan areas ... 24
Multimedia users ... 879
Nutrient intake ... 188
Physicians, visits to ... 147
Poverty ... 713–719
Prisoners ... 306
Under sentence of death ... 311, 312
Projections ... 15
Religious television viewing ... 78
School dropouts, high school ... 229, 230
Schools and education:
American College Testing Program ... 226
Attainment ... 43, 201–204, 233
By age ... 201
College ... 233
College enrollment ... 233, 234
Enrollment ... 196
Higher education institutions:
Degrees conferred ... 968
Enrollment ... 196, 224, 244
Employed students ... 242
High school dropouts ... 229–230
High school graduates ... 232, 233
Pre-primary enrollment ... 198
Scholastic Aptitude Test ... 225
Suicides ... 267
Union membership ... 667
Voter registration ... 421
Blast furnaces. *See* Iron and steel products.
Blind persons ... 174, 588, 589
Medicaid recipients ... 580
Blouses, women's and misses', production ... 1271
Blue-collar workers ... 495
Employment cost index ... 655
Blue Cross-Blue Shield plans, persons covered ... 141
Bluefish ... 1139
Boating, canoeing, etc ... 360, 365, 373–375
Accidents ... 980
Bolivia. *See* Foreign countries.
Bolts, nuts, etc. *See* Iron and steel products.
Bonds:
Holdings by sector (flow of funds) ... 765, 767
Households owning ... 799
Life insurance companies ... 814
Prices, yields, sales, and issues ... 483, 805, 807, 809
U.S. savings ... 478, 483, 684, 1067
Bonito ... 1140
Book and job printing ... 1242

Table

Bookbinding and related industries, summary ... 1242
Bookkeeping. *See* Accounting.
Books, libraries, and reading (*see also* Printing and publishing):
Audience characteristics ... 367
Foreign trade ... 368
Prices ... 369
Printing and publishing industry ... 890
Retail trade summary ... 1301, 1302
Sales ... 363, 366
Boots. *See* Footwear.
Boron minerals ... 1154
Botulism ... 169
Bowling ... 365, 373–375
Boxes, paper, manufacturers (*see also* Containers) ... 1242
Boy Scouts, membership and units ... 381
Brazil. *See* Foreign countries.
Bread. *See* Bakery products.
Breast-feeding ... 91
Broadcast systems. *See* Radio *and* Television.
Broadcasting stations, radio and television ... 878, 885
Broadway and off-Broadway shows ... 383
Broccoli ... 1109
Broilers, production (*see also* Poultry) ... 1114
Bromine, production and value ... 1154
Bronchitis, emphysema, etc., deaths ... 117, 118, 160, 1382
Budget, Federal:
Administrative expenditures, national defense ... 509
Controlled and uncontrolled outlays ... 474
Outlays ... 470, 471
Receipts, outlays, and debt ... 470, 471, 476
Trust funds ... 471, 473
Building construction and trades. *See* Construction industry.
Building materials:
Cost indexes ... 1199
Imports ... 1198
Producer price indexes ... 734, 735
Retail sales ... 1301, 1302, 1305, 1307, 1310
Retail trade:
Inventories ... 1307
States ... 1310
Summary ... 1301, 1302
Wholesale trade ... 1315
Building operations ... 1197, 1199, 1202, 1204, 1205, 1209, 1234
Building permits (*see also* Construction industry *and* Housing) ... 1206
Buildings (*see also* Construction industry *and* Housing and housing units):
Energy consumption ... 916, 917
Energy expenditures ... 916, 917
Floorspace ... 916, 917
Principal activity ... 917
Services, summary ... 1320
Receipts ... 1321
Buildings, Federal ... 504
Burglar alarms ... 281
Burglary ... 263–266, 270, 271, 274
Burkina. *See* Foreign countries.
Burma. *See* Foreign countries.
Burundi. *See* Foreign countries.
Buses ... 395, 976, 990–992, 999, 1002, 1013
Accidents/fatalities ... 999
Employees, bus drivers ... 395
Factory sales and wholesale value ... 992
Intercity operations ... 1013
Passenger outlays ... 976
Production and sales ... 990
Business associations ... 1320
Business management, degrees conferred ... 255, 257
Salary offers ... 253
Business enterprise (*see also individual types of business and industry*):
Arts and humanities support ... 384
Bankruptcies filed ... 837
Capital, fixed nonresidential ... 849
Capital, fixed by industry ... 852
Capital stock ... 722
Coincident indicators ... 854
Concerns, number ... 825–829, 831–835
Corporate inventory valuation adjustment ... 861
Corporate philanthropy ... 604, 870
Corporate profits and dividends ... 823, 827, 867
Cycles ... 855
Establishments ... 1318, 1326
Expenditures:
Plant and equipment, new ... 853
Research and development ... 950
Failures and liabilities ... 834

Digitized by Google

Table

Business enterprise—Continued
Financial data 823, 828, 844, 845, 853, 858, 866
Flow of funds 765, 766, 768
Franchised establishments 1311–1313
Investment 850
Lagging indicators 854
Leading indicators 854
Loans to minority-operated small businesses 868
National income, origin in 675
Business services (*see also* Service industries):
Employees 630, 641, 642, 1255, 1299, 1320
Earnings 642
Injury rates 664
Gross national product, origin in 1298
Receipts 1321
Summary 1319, 1320
States 1326
Butter (*see also* Dairy products):
Consumption 184
Manufacture 1116
Prices, retail 749
Butterfish 1139

C

Cable television 878, 887, 888
Advertising expenditures 898
Viewing by demographic groups 879
Cadmium 1160, 1164
Cafeterias. *See* Eating and drinking places.
Calcium, available for consumption 188
Calcium-magnesium chloride 1154
California. *See* State data.
Calories consumed per day 188
Calves 1076, 1112
Cambodia. *See* Foreign countries.
Cameras. *See* Photographic apparatus, etc.
Cameroon. *See* Foreign countries.
Campaigns, fund raising 424, 426, 427
Campers (trucks and trailers) 995
Camping, picnicking, etc 360, 361, 365, 374, 375
Canada. *See* Foreign countries.
Cancer (malignancies) 117–120, 160, 176
Deaths 117–120, 1382
Foreign countries 1382
Candy and candy stores. *See* Confectionery.
Cane sugar. *See* Sugar.
Canning and preserving industry:
Employees and earnings 642
Output per hour, index 643
Products 1137, 1145, 1146, 1149
Capacity utilization, index 1250
Cape Verde Islands, population and area 1378
Capital appropriations, by industry 1252
Capital expenditures 853
Manufacturers 1241, 1242, 1244
Pollution abatement 342, 343
Capital, fixed 849, 1246
Capital punishment 312–314
Capital stock:
Banks 778
Business 722
Corporations 860
Government 722
Residential or housing 1220
Utilities 981, 936, 941
Carbon dioxide (natural), production and value 1154
Cargo tonnage. *See* Tonnage.
Carpets and rugs. *See* Floor coverings.
Carrots 1109
Cash usage 798
Cashew nuts, import prices 744
Cassettes 370, 1289, 1297
Castings and shipments 1278
Casualties, Vietnam conflict 533
Catholics. (*See* Religion)
Cattle:
Farm income 1076
Farm labor in hours 1090
Number and value, on farms 1112, 1113
Prices 1112
Production 1112, 1113
Cauliflower, acreage, production, and value 1109
Celery, acreage, production, and value 1109
Cement, summary 1154, 1177
Foreign trade 1177
Manufacture 1242
Employees 642, 1242
Earnings 642
Output per hour, index 643
Cement, summary—Continued
Prices 734
Producer price indexes 735, 1
Production 1154, 1
World 1373, 1
Center of population 1
Central America. *See* Foreign countries.
Cereal and bakery products, expenditures, prices 689, 7
Cereal consumption, breakfast 1
Cerebrovascular diseases, deaths 117–119, 1
Foreign countries 1
Certificated route air carriers 1023, 1
Cesarean section deliveries 1
Chad. *See* Foreign countries.
Chambers of Commerce 5
Channel Islands, population and area 1
Charitable contributions (*see also* Philanthropy) 6
Checking accounts 797, 7
Cheese (*see also* Dairy products) 184, 1
Chemicals and allied products (*see also individual chemicals*):
Expenditures:
Plant and equipment, new 853, 1
Research and development 8
Exports 1253, 1258–1
Foreign trade 1
Industry, summary 1
Manufacture 1018, 1019, 1242, 1
Capital appropriations and expenditures 1242, 1
Earnings 6
Employees 642, 1242, 1256, 1
Injury rates 6
Projections 6
Scientists and engineers 9
Production indexes 1
Profits 860, 8
Railroad car loadings 1018, 1
Sales 9
Value added 1
Pesticide residue in human tissue 3
Producer prices 7
Value of shipments 1
Wholesale trade, summary 1
Chemistry:
Degrees conferred 2
Employment 9
Nobel prize laureates 9
Salary offers 2
Cherries 1
Chicken pox 1
Chickens. *See* Poultry.
Child abuse, neglect 2
Child care 5
Revenues, service industry 1
Child support payments and alimony 5
Children (*see also* Population *and* Vital statistics)
Adoption 5
Age and/or sex 13, 20, 2
Projections 15, 2
Aid, social welfare programs 552, 553, 557, 5
AIDS 1
Alcohol use 180, 1
Asthma, bronchitis, emphysema 1
Child abuse 2
Child day care 596, 1
Revenues, service industry 1
Chronic conditions 1
Cities 3
Days lost from school 1
Dependent and neglected, in institutions 5
Diabetes 1
Drug use 180, 1
Families with 82, 66, 6
Health insurance coverage 1
High school dropout 2
Hispanic population 1
Hospital use 153, 1
Immigrants 1
Illness/injury 1
Immunized against disease 1
Injuries 1
Juvenile delinquency 300, 3
Labor force (16 to 19 years old) 6
Employed 611, 6
Multiple jobholders 6
Employment status 6
Enrollment in school 6
Participation rates 6
Sex, marital status 6

Digitized by Google

Table

Children (*see also* Population *and* Vital statistics)—Continued
Labor force (16 to 19 years old)—Continued
Employment status—Continued
Race ... 611, 614
Sex ... 608, 609, 611, 614
Unemployed ... 611, 614, 632
Mobility status ... 24
Mothers in the labor force:
By age of children ... 624
Neglect and abuse ... 276, 277
Number per divorce decree ... 126
Old-age, survivors, disability, and health insurance benefits ... 558
Orphans ... 595
Pneumonia ... 160
Poverty ... 714, 717, 721
Preprimary school enrollment ... 198
Projections ... 15, 29
Respiratory infection, acute ... 160
School enrollment ... 189, 193–199, 206, 209
Projections ... 189, 193, 211
Social Security beneficiaries and payments ... 565
States ... 26, 29
Projections ... 29
Tonsils and adenoids, chronic disease ... 160
Under 18, by presence of parents ... 69
Chile. *See* Foreign countries.
Chiropractors' office ... 1320
Chocolate. *See* Cocoa and confectioneries.
China, *See* Foreign countries.
Chinese. *See* Minority groups.
Chromite ... 1194, 1408
Chromium ... 1164, 1195
Churches:
Building permit value ... 1206
Construction value ... 1201, 1202, 1204
Grants, foundations ... 603
Number and membership ... 75, 76
Cigarettes:
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Production, number ... 1268
Prices ... 744
Smokers and use ... 180, 182
By sex and age ... 182
Taxes, excise ... 445
CIO (Congress of Industrial Organizations). *See* AFL–CIO.
Circulation of newspapers and periodicals ... 878, 892, 893
Foreign countries ... 1396
States ... 894
Cirrhosis of liver, deaths ... 117, 118
Foreign countries ... 1382
Cities:
Area, land ... 36
Climate ... 345–355
Consumer price indexes ... 741
Crime ... 264
Rates ... 266
Debt ... 455
Density ... 36
Employees earnings and payrolls ... 467–469
Finances of city governments ... 455–458
Governmental units ... 451, 453
Income per capita ... 709
Officials, elected ... 415
Population ... 37, 38
Black ... 38
Foreign countries ... 1381
Hispanic ... 38
Property tax rates ... 460
Taxes paid by family income level ... 459
Women public officials ... 416
Citizens:
Arrivals and departures ... 391
Naturalized ... 45
Citrus fruits:
Consumption ... 184–186
Production and value ... 1110
Civic and social associations ... 1320
Civil aviation. *See* Air transportation.
Civil cases:
U.S. District Courts ... 295
Product liability cases ... 295
Civil defense ... 509
Civil service employees. *See* Government.
Civil War, cost ... 522
Civilian population ... 2
Claims ... 1139, 1140, 1142, 1145
Clay products (*see also* Stone, clay, and glass products industry):

Table

Clay products—Continued
Foreign trade ... 1350
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Mining ... 1153, 1154
Cleaning, dyeing, pressing, etc., establishments ... 1320, 1321
Franchises ... 1312
Clergymen, pastors with charges ... 77
Climate, selected cities ... 345–355
Precipitation ... 350–352
Temperature ... 345, 349, 353
Clocks, watches, etc.:
Foreign trade ... 1350
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Shipments and value ... 1297
Cloth. *See* Textile industry *and* Textiles.
Clothing. *See* Apparel.
Coal (*see also* Petroleum and coal products and coke):
Car loadings ... 1018
Consumption ... 905, 907, 909, 946, 1175, 1352
Electric utilities ... 930, 1175
Energy source, production and consumption ... 904, 921
Expenditures ... 910
Exports ... 906
Foreign countries ... 1410
Foreign trade ... 923, 1175, 1176, 1344, 1349
Mines ... 1153, 1158, 1163, 1175
Employees ... 642, 1153, 1158, 1175
Earnings ... 642
Hours and earnings ... 1158, 1163
Injuries ... 664, 1163
Employment projections ... 631
Prices ... 747, 919, 1159
Export ... 744
Producer ... 735
Production ... 905, 907, 1152, 1154, 1160, 1175
By region and type ... 905
Foreign ... 1408–1410
World ... 1373, 1408
Public land leases ... 507
Coal-tar products, foreign trade ... 1349
Coast Guard personnel ... 532, 534
Coastal population ... 35
Coastwise traffic ... 1038, 1044
Coats, suits, etc., manufacture ... 1242
Employees ... 1242
Production ... 1271
Cobalt ... 747, 1154, 1164, 1183
Cocaine use ... 180, 181
Cocoa:
Consumption ... 184
Foreign trade ... 1350
Prices, import ... 744
Cod ... 1139, 1140, 1142, 1144, 1149
Coffee:
Consumption ... 184, 186
Foreign trade ... 1350
Prices ... 744
World production ... 1373
Coffeemakers, automatic ... 1297
Coke (*see also* Coal) ... 747, 1167
Car loadings and freight carried ... 1018
Coke ovens, men employed ... 1163
Collective bargaining settlements ... 659–661
State and local governments ... 464
Colleges and universities. *See* Education, higher education institutions.
Colombia. *See* Foreign countries.
Colorado. *See* State data.
Columbium-tantalum ... 1160, 1164
Commerce:
Domestic, by rail ... 1018
Water ... 1038, 1040
Foreign. *See* Foreign trade
Intercoastal ... 1044
Commerce and transportation, Federal expenditures ... 471
Revenue losses due to Federal tax laws ... 475
Commercial buildings:
Builders ... 1197
Building permit value ... 1206
Construction ... 1206
Construction value ... 1201–1204
Cost of construction ... 1199
Energy characteristics ... 1237–1239
Floor space ... 1204, 1237–1239
Inventory ... 1237–1239
Vacancy rates ... 1236

Digitized by Google

Table

Commercial printing (*see also* Printing and publishing industries) ... 1242
Commodities. *See individual types of commodities.*
Commodity Credit Corporation ... 1067, 1081, 1082
  Realized losses ... 1082
Commodity futures trading ... 812
Communication equipment, manufacture ... 1242, 1291
  Employees ... 642, 1242
    Earnings ... 642
    Scientists and engineers ... 963
  Employment projections ... 631
  Shipments ... 880, 1248, 1291
Communications:
  Degrees conferred ... 255, 257
Communications industry (*see also individual industries*):
  Assets or liabilities ... 848
  Corporations, partnerships, and proprietorships ... 825, 826
  Employees ... 642
    Compensation ... 645
    Earnings ... 642
    Injury rates ... 664
  Employment projections ... 631
  Equipment shipments ... 880
  Expenditures for new plant and equipment ... 853
  Foreign countries ... 1396
  Gross product ... 670
  Income and profits ... 825, 826
  Receipts ... 848
  Wage and salary disbursements ... 678
Communist areas (*see also* Foreign countries), U.S. trade with ... 1344
Community development and housing:
  Federal aid to State and local government ... 435
  Federal budget receipts and outlays ... 471
  Revenue losses due to Federal tax laws ... 475
Commuter (regional airlines operations ... 1027
Comoro Islands, population and area ... 1378
Compact disc players ... 370, 1297
Computers and peripheral equipment, services ... 1280, 1288, 1344, 1349
  Advertising expenditures ... 899, 901
  Employment ... 627, 642, 964, 966, 1320
    Earnings ... 642
  Employment projections in manufacturing ... 631
  Establishments ... 1320
  Foreign trade ... 1349, 1350
  Library media centers ... 218
  Occupational projections ... 626
  Outlays ... 1285
  Personal computers ... 1297
  Product shipments ... 1284
  Sales ... 971
  Services:
    Receipts ... 1321
      By source ... 1324
    Summary ... 1319, 1320, 1323
  Shipments ... 971
  Use by library patrons ... 260
  Use in elementary and secondary schools ... 219, 220
Computer science:
  Degrees conferred ... 255, 257
  Employment ... 961, 962, 966
    Salary offers ... 212, 253
  Graduate students ... 967
Concerts, symphony orchestras ... 385
Concrete and plaster products:
  Import prices ... 744
  Manufacture, summary ... 1242
    Employees, earnings ... 642, 1242
    Output per hour, index ... 643
  Producer price indexes ... 735, 1260
Condensed and evaporated milk ... 184, 1116
Condominiums ... 1209, 1231
Confectionery:
  Advertising expenditures ... 901, 902
  Consumption ... 184
  Manufacture ... 1242
    Employees ... 642, 1242
    Earnings ... 642
  Retail trade, summary ... 1301, 1302
Congo. *See* Foreign countries.
Congress of Industrial Organizations (CIO). *See* AFL–CIO.
Congress, U.S.:
  Bills, acts, resolutions ... 405, 406
  Black elected officials ... 415
  Campaign finances ... 425, 427, 428
  Composition ... 404, 407
  Congressional districts ... 402
    Candidates ... 402
    Votes cast ... 402

Table

Congress, U.S.—Continued
  Members and occupations ... 408–41
  Representatives, vote cast ... 401–403, 419, 42
  Senators, vote cast ... 400, 40
  Primaries ... 42
Connecticut. *See* State data.
Conservation and development, construction ... 12
Construction expenditures for upkeep ... 122
Construction industry (*see also* Building materials and Highways):
  Assets and liabilities ... 84
  Buildings authorized ... 12
  Building permits, value ... 1206 12
  Construction contracts ... 832, 1204 12
    Defense ... 5
    Value, by State ... 12
  Corporations, partnerships, and proprietorships ... 825 82
  Cost ... 1
  Employees ... 627, 630, 631, 640, 642, 832 1
    Compensation ... 64
    Displaced workers ... 6
    Earnings ... 642 64
    Hours ... 64
    Injury rate ... 663 6
    States ... 64
  Establishments, number ... 832 1
  Expenditures, Government ... 5
    National defense ... 5
  Gross product, current and constant dollars ... 6
  Housing units, new ... 1208–1
  Income and profits ... 864 8
  Injury rates ... 6
  Nonresidential building projects ... 1
  Outlying areas ... 1368 13
  Partnerships ... 8
  Payroll ... 832 1
  Producer price index ... 1
  Receipts ... 1
  Return on equity ... 8
  Sales ... 8
  Special trade contractors ... 1
  Unemployment ... 635 6
  Wage and salary disbursements ... 6
Construction machinery, equipment, etc.:
  Manufacture ... 12
    Employees ... 642, 1242 12
    Earnings ... 64
    Shipments ... 1248, 12
  Producer price indexes ...
Construction materials. *See* Building materials.
Consumer:
  Cooperatives ... 8
  Credit ... 765, 767, 795 8
  Debt outstanding ... 7
  Electronics ... 370
  Expenditures ... 678, 688 6
    Alcoholic beverages ... 688 6
    Books ... 3
    Entertainment ... 3
    Farm foods ... 1
    Food ... 688 6
    Health care ... 139 6
    Housing ... 6
    Medical care ... 131–1
    Reading materials ... 3
    Sporting goods ... 3
    Transportation ... 6
  Safety:
    Federal expenditures ... 1
Consumer price indexes ... 729, 741, 743
  By commodity group ... 738–740 1
  Foreign countries ... 742, 1400 1
  Purchasing power of the dollar ... 1
  Year-to-year changes ... 647 7
    Foreign countries ... 1
Consumption. *See individual commodities.*
Containers, manufacture and shipments:
  Employees ... 642, 12
    Earnings ... 64
  Glass ... 12
  Metal ... 1242, 12
  Paperboard and wooden ... 12
Continents, population ... 1
Contraceptive use ... 1
  Family planning ... 1
Cooking oils consumption ... 1
Cooling degree days ... 3
Cooperatives:
  Consumer ... 8
  Farm ... 833, 10

Digitized by Google

Table

Copper ... 1153, 1154, 1159, 1160, 1162, 1164, 1182, 1349
Foreign trade ... 1162, 1182, 1349, 1350
Mining industry ... 1153, 1154, 1160, 1162
Output per hour, index ... 643
Production and value ... 1154, 1160
States ... 1182
Prices ... 747, 1159, 1182
Import and export ... 744
Product shipments ... 1276
Production, world ... 1408
Copyrights, registration ... 895
Corn:
Acreage and value ... 1100, 1102
Commodity Credit Corporation transactions ... 1081
Foreign trade ... 1093, 1094, 1349, 1413
Hours per unit of production ... 1090
Prices ... 744, 1100–1102
Production ... 1093, 1094, 1100, 1102
World and foreign ... 1094, 1373
Products, consumption ... 184
Supply and disappearance ... 1100
Sweet corn, summary ... 1109
Corn poppers ... 1297
Corporate business ... 845, 861
Corporations:
Assets ... 766, 846
Assets and liabilities ... 844, 848, 859, 860
Compensation ... 862
Dividend payments ... 862
Earnings per share ... 867
Foreign ownership, by industry ... 869
Interest ... 675
Inventories ... 874
Invested capital ... 847, 860
Largest ... 859, 860, 867
Manufacturing, assets and for profits ... 858, 1242
Nonfinancial ... 844, 861
Number ... 824, 831
Philanthropy ... 600, 888
Profits ... 675, 823, 825, 860, 862, 868, 1245
National income component ... 674
Receipts ... 823, 825, 827, 846
Return on equity ... 867
Sales ... 959, 960, 967, 1245
Stocks and bonds ... 805
Taxes:
By industry ... 847
Corporate income tax ... 430, 487, 848, 852
Returns ... 846
State tax collections ... 445
Correctional institutions (*see also* Prisons and prisoners) ... 74, 301
Employment and payroll ... 288, 289, 307
Expenditures ... 288, 289
Juveniles ... 301
Prisoners ... 305–307
Cosmetics, perfume, etc. *See* Toilet preparations.
Costa Rica. *See* Foreign countries.
Cost-of-living indexes. *See* Consumer price indexes *and* **Prices**.
Cotton:
Acreage ... 1100, 1105
Export prices (upland) ... 744
Farm sales ... 1076
Foreign trade ... 1094, 1097, 1099, 1349
Output and marketing indexes ... 1089, 1090, 1091
Prices ... 1100, 1105
Production ... 1090, 1093, 1094, 1100, 1105
World and foreign ... 1373
Supply and disappearance ... 1100
Cotton manufactures ... 1242, 1268
Consumption of cotton ... 1267
Employees ... 1242
Producer price indexes ... 735
Countries. *See* Foreign countries.
County governments ... 452–454
Finances ... 454
Population by size-group ... 453
Women public officials ... 417
Courts ... 292–298, 300
Appeals court, U.S ... 293
District courts, U.S ... 294–298
Supreme court, U.S ... 292
Cows ... 1090, 1113, 1116
Crabmeat, imports ... 1149
Crabs ... 1139, 1140, 1142, 1145
Cranberries ... 1110
Credit cards ... 796, 798
Credit, consumer ... 765, 795
Credit markets, Federal participation ... 481

Table

Credit unions ... 766, 771, 789, 833
Crime (*see also* Criminal victimization):
Arrests ... 278, 280
Arson arrests ... 280
Assault ... 263–266, 271
Elderly ... 272
Average value lost ... 270
Burglary ... 263–266, 270
Child abuse and neglect ... 276, 277
Crime prevention measures ... 281, 282
Drug abuse violations ... 298
Homicides ... 268
Race and sex ... 268
Immigration violations ... 284
Juveniles in custody ... 301
Larceny-theft ... 263–266, 270
Elderly ... 272
Motor vehicle theft ... 264–266
Murder ... 265, 267
Murder circumstances ... 267
Police officers assaulted, killed ... 283
Property crime ... 263–266
Rape, forcible ... 265–269
Robbery ... 265, 270
Households ... 275
Shoplifting ... 270
Violent crime ... 263–267, 271
Criminal victimization ... 268, 271–275
Elderly ... 272
Households ... 275
Croaker ... 1189
Crops. *See* Farms *and individual crops.*
Crude materials:
Foreign trade ... 1343, 1344, 1349
Commodities ... 1344, 1349, 1350
Production and consumption ... 1373
Cuba. *See* Foreign countries.
Cubans. *See* Hispanic origin population.
Currency:
Commodity futures trading ... 812
Foreign exchange rate ... 1417, 1418
Personal saving component ... 678
Supply ... 800
Cusk, imports ... 1149
Customs, receipts ... 471
Duties and percent of value ... 1351
Customs regions, imports and exports ... 1346
Cutlery, hand tools, hardware manufacture ... 1242
Employees and earnings ... 642
Cyclones ... 344
Cyprus. *See* Foreign countries.
Czechoslovakia. *See* Foreign countries.

D

Dairy cows ... 1113, 1116
Dairy products (*see also individual products*):
Consumption ... 184, 186
Farm output and marketing indexes ... 1091
Farm sales and income ... 1076, 1116
Foreign trade ... 1349
Manufacture ... 1242
Employees and earnings ... 642
Milk sales reported by farms ... 1116
Producer prices ... 795, 1116
Retail prices ... 1118
Production ... 1116
Retail prices ... 740
Data processing services:
Receipts ... 1321
By source ... 1324
Summary ... 1319, 1320, 1323
Dates ... 1110
Deaf persons ... 174
Deaths and death rates (*see also* Accidents and fatalities):
Age and sex ... 109, 111, 120, 121, 1383
Black ... 110, 111, 116, 118, 122
Projections ... 15
Cancer ... 119, 120
Foreign countries ... 1382
Cause ... 115, 117–123, 980, 998, 1017, 1024
Foreign countries ... 1382
Components of population change ... 1354
Fetal and neonatal ... 113, 114
Foreign countries ... 1380, 1382, 1383
Heart disease ... 121
Foreign countries ... 1382
Industrial ... 663
Infant ... 113, 114–116

Digitized by Google

Table

Deaths and death rates—Continued
Maternal ... 113
Outlying areas of U.S. ... 1358
Projections ... 15
Race ... 110–112, 116
States ... 112, 116, 119
Summary ... 81
Debits to demand deposit ... 901
Debt (*see also* Loans and mortgages):
Farm ... 1068, 1069, 1072, 1079
Foreign countries ... 1420, 1421
Manufacturing corporations ... 865
Public:
Cities ... 456–458
City governments ... 455
County governments ... 454
Federal Government ... 429, 470, 477, 490
Foreign countries ... 1421
Interest earned ... 471
Interest paid ... 431
Local government ... 430, 439
State and local government ... 429, 437, 439, 441, 442
Highways ... 989
State government ... 430, 439, 444
Defense, Department of (*see also* Army, Navy, *and* Air Force):
Budget, outlays ... 476
Contract awards, by States ... 518
Employees, civilian ... 515, 516, 529
States ... 516
Expenditures ... 509–511, 516
Health and medical care ... 130, 131, 135
Research and development ... 512
Space program ... 969, 1033
Funds available and outlays ... 510
Property, real and personal ... 504
Degrees conferred ... 254–257
By field of study ... 255–257
Salary offers ... 212, 253
Dehumidifiers ... 1227, 1297
Delaware. *See* State data.
Delinquency, juvenile ... 300
Denmark. *See* Foreign countries.
Density of population, foreign countries ... 1373
Dental care ... 147
Dental insurance ... 141
Dentists ... 143, 145
Charges and expenditures for ... 130, 131, 134, 138
Degrees conferred ... 143, 256
Dental schools, students, and graduates ... 143, 256
Employment ... 627
Expenditures for ... 137
Medicaid payments ... 580
Offices:
Establishments, employees, payroll ... 1320
Receipts ... 1321
States ... 145
Visits to ... 147
Department stores (*see also* Retail trade):
Advertising expenditures ... 898, 902
Retail sales ... 1301, 1305, 1307
States ... 1310
Retail trade summary ... 1301, 1302
Deposits. *See* Banks.
Desertion rates, military ... 539
Detective and protective services ... 1320, 1321
Diabetes ... 117–119, 172, 177
Diagnostic procedures ... 157
Diamonds, imports ... 1162, 1350
Production, world ... 1408
Diatomite ... 1154
Diphtheria ... 168, 169
Direct mail advertising expenditures ... 898
Direct selling (house-to-house) ... 1301
Disability ... 166
Bed-disability days ... 166
Benefits paid ... 553
Compensation and allowances, veterans ... 545, 548
Days lost from work, school ... 166
Disability Insurance Trust Fund (Social Security) ... 473, 564, 589
Disabled persons:
Characteristics ... 566
Elderly ... 174
Employment ... 656
Medicaid recipients ... 580, 586
Old-age, survivors, disability, and health insurance. *See* Social insurance.
Public assistance ... 586, 589
Vocational rehabilitation ... 587
Disasters (tornadoes, floods, etc.) ... 344

Table

Discharges, military ... 539
Discount rates, Federal Reserve Bank of New York ... 802
Diseases ... 168, 169, 172, 173
Deaths from ... 117–119
Dishwashers ... 1227, 1297, 1380
Disposable personal income ... 673, 680
Per capita ... 673
Distilled liquors. *See* Liquors and beverages.
District Courts, U.S. ... 295–297
Cases commenced, cases terminated ... 295–297
Civil cases ... 293–294
Criminal cases ... 294
Trials ... 296
District of Columbia. *See* State data.
Dividends:
Corporation ... 862, 1242
Individual income tax returns ... 445, 492
Insurance policies ... 814
National and/or personal income components ... 674, 675
Railroad stock ... 1017
Divorce. *See* Marriage and divorce *and* Marital status.
Doctors, M.D.'s. *See* Physicians.
Dog racing, greyhound ... 372
Dormitory population ... 74
Dressers, manufacture ... 1272
Drinking places. *See* Eating and drinking places.
Driving while intoxicated ... 1001
Drug stores, retail trade ... 1305
Inventories ... 1307
Sales ... 1301, 1305–1307
Summary ... 1301, 1302
Drug usage, by type of drug ... 180
Drugs:
Arrests ... 279, 285
Court cases ... 285, 298
Enforcement activities ... 285, 286
Drugs and medicines (*see also* Pharmaceuticals):
Accidental poisonings ... 123
Advertising expenditures ... 899, 902
Consumer price indexes ... 740
Controlled substances ... 298
Expenditures and charges for ... 131, 132, 134, 139
Foreign trade ... 1349
Manufacture ... 1242
Employees and earnings ... 642
Medicaid payments ... 126
Nonprescription, expenditures ... 899
Producer price indexes ... 735
Retail sales ... 1308
Wholesale trade ... 1315, 1316
Sales inventories ... 1316
Summary ... 1315
Drunk driving ... 1001
Dry goods ... 1315
Dryer, clothes ... 1227
Durable goods and industries (*see also individual goods and industries*):
Manufacture:
Employees and earnings ... 642
Employees injury rates ... 864
Employment projections ... 631
Expenditures for new plant and equipment ... 853
Gross national product, origin in ... 1240
Inventories, orders, and shipments ... 1248
Production indexes ... 1249
Stockholders' equity, profit rates on ... 865, 866
Personal consumption expenditures ... 668, 673
Producer price indexes ... 734
Retail trade:
Inventories ... 1307
Sales ... 1304–1307
Wholesale trade, sales and inventories ... 1316
Dutiable imports and duties ... 1351
Dwellings. *See* Housing and housing units *and* Households or families.
Dyeing and cleaning establishments. *See* Cleaning, dyeing, pressing, etc.
Dyeing and finishing textiles, manufacture ... 1242

E

Earnings. *See* Profits, *and* Salaries and wages, *and individual industries.*
Earth sciences, employment ... 965
Eating and drinking places ... 395
Employees ... 395, 642, 1369
Earnings ... 642
Employment projections ... 631

Digitized by Google

Table

Eating and drinking places—Continued
Franchises 1312
Inventories 1307
Retail trade, summary 1301, 1302
Sales 1301, 1305
States 1310
Economic assistance 1340, 1341
Economic growth rates 669
Foreign countries 1388
Economic indicators:
Foreign countries 687
Economics:
Degrees conferred 968
Employment 961, 962, 965
Ecuador. *See* Foreign countries.
Education:
Adult education:
Courses taken and reason by sex 262
Participant characteristics 261
American College Testing (ACT) Program 226
Attainment 40, 201–204, 232–234, 719, 727, 728
By occupation 628, 629
Elderly 40, 203, 204
Foreign born population 45
Income 231, 692, 703, 719, 727, 728
Labor force status 620
Multimedia users 879
Outlying areas of U.S. 1357
Poverty 719
Race or Hispanic origin 201–204, 703, 719
Unemployment rate by Hispanic origin, race, sex 634
Building construction 1201, 1202, 1204, 1206
Buildings and floor space 1237
Catholic schools 223, 224
Children:
School enrollment 196, 198
Days lost from school 205
Computer use 218–220
Degrees conferred 254–257
Salary offers 253
Dental schools, students, graduates 142
Education services:
Employees/projections 631, 1299
Gross national product origin 1298
City governments 468
Employment, State and local government 465
Employment status of high school graduates and dropouts 230
Enrollment 189, 193–199, 208, 209, 233, 234, 236
Catholic schools 223, 224
Employment status, persons 16 to 24 years old 620
Outlying areas of U.S. 1359, 1361
Preprimary schools 194, 198
Enrollment by race and Hispanic origin 198
Projections 189, 193, 197, 236
States 199, 200, 208, 244
Expenditure (*see also* Finances) 190
Assistance for persons with limited income 557
City government 467
Federal Government 192, 952, 953
Health care work force, training 136
Foreign countries 1386
Higher education institutions 190, 191, 245, 250
Faculty salaries 251
States 247
Private schools 191, 200
Public elementary and secondary schools 190, 217
State and local governments 191, 192, 247, 437, 441, 442, 444
Federal aid 191, 192, 245
Foreign countries 1386
Graduates:
College 201, 202, 232
High school 201, 202, 204, 232
Grants to institutions from foundations 603
Handicapped students 221, 222
Higher education institutions:
Beginning salary offers by field/position 212, 253
Charges for room and board 249
College freshmen:
Characteristics 237
Degrees conferred 254–257
Dormitory population 244
Enrollment 189, 193, 195, 199, 233–236, 244
Advanced degrees 967
Employed students 242
Field of study 237, 239
Financial aid 237
Foreign languages 240
Foreign students 241

Table

Education—Continued
Higher education institutions—Continued
Enrollment—Continued
Projections 189, 193
By age and sex 236
Public 199
States 199, 244
U.S. service schools 244
Expenditures 190, 191, 250
Price indexes 246
Scientific purposes, by type 959
Faculty 235, 251, 252
Finances 235, 245–248
States 247
Financial aid 248
Scholarships, fellowships 245
Freshmen in remedial courses 238
Graduates (*see also* Education, attainment and Degrees conferred) 968
Libraries 258, 259
Number 189, 235, 244
Price indexes 246
Scientists and engineers, employed 960, 965
Tuition and fees 249
Voluntary financial support 250
High school dropouts 230, 232
High school graduation credit requirements 227
Kindergartens 194
Loans and grants, Federal government 248
Medical schools, students, graduates 142
Nursing programs, students, graduates 143
Outlying areas of U.S. 1357, 1359, 1361
Philanthropy 600
Private schools:
Computer use 219, 220
Elementary and secondary 189, 193, 194, 197, 223, 224
Projections (enrollment) 189, 193, 197
Expenditures 190, 191
Number 189
Teachers 224
Public elementary and secondary schools:
Competency tests 210
Computer use 220
Employees and payroll 214
Enrollment 193, 194, 206, 208, 209
Projections 189, 193, 197
Size 207
States 199, 208
Finances 190, 191, 215, 216, 217
High school graduates 228, 230, 232
Inservice teacher training 210
Libraries/media centers, number 218
Number 189, 200
Personnel salaries 213
Price indexes 215
Special education programs 221, 222
Teachers 206, 210, 211
Competency tests 210
Projections 197, 626
Recreation activities 374
Scholastic Aptitude Test 225
School districts 452
School-loss days 166, 205
School years completed. *See* Education, attainment.
Service:
Advertising expenditures 902
Establishments, employees, payroll 1320
State data:
Elementary and secondary 199, 200, 208, 211, 217, 228
Higher education 199, 244, 247
Teachers:
Catholic schools 223
Elementary and secondary 197, 206, 210
Employment projections 197, 626
Higher education 235, 251, 252
Volunteers, percent involved 590
Education, Dept. of, budget authority and outlays 476
Educational and cultural associations 80
Eggs (*see also* Poultry):
Consumption 189
Exports 1349
Farm income (poultry and eggs) 1076
Output and marketing indexes 1090, 1091
Prices:
Farm and parity 1115
Producer 735
Retail 749
Production 1115
Egypt. *See* Foreign countries.
Eire. *See* Foreign countries.

Digitized by Google

Table

Elderly (*see also* Population, age):
Age and/or sex ... 13, 20, 29, 40, 42
Projections ... 15, 16, 29
AIDS ... 170
Alcohol use ... 178, 179
Arrests ... 278, 279
Arthritis and rheumatism ... 172, 173, 175
Assets, households owning ... 799
Black ... 40
Cancer ... 160
Cerebrovascular disease ... 160
Charitable contributions ... 601
Chronic conditions ... 172, 173, 175, 177
Cigarette smoking ... 178, 182
Cities ... 30
Community services, use of ... 598
Contact with children ... 42
Crime prevention measures ... 281
Criminal victimization ... 272
Disability days ... 166
Earnings ... 231
Education:
Adult education participants ... 261
Attainment ... 40, 203, 204
Federal benefits, by type ... 561
Foreign born ... 44
Functional limitations ... 174
Health care expenditures ... 139, 140
Health insurance coverage ... 140
Health practices ... 178
Hearing impaired ... 172, 175
Heart disease ... 160, 173, 175
Deaths and death rates ... 121
Height distribution ... 183
Hispanic origin population ... 19
Homes for the aged ... 74
Hospital use ... 154, 160
Households:
Assets ... 827
Households or families ... 40, 41
Illness/injuries ... 171
Injuries ... 167
Labor force ... 608, 609, 611, 612, 614, 622, 632
Employed ... 612, 614
Multiple jobholders ... 618
Employment status, by race ... 611, 642
Participation rates ... 608, 622
Unemployed ... 611, 632
Union membership ... 667
Life insurance ownership ... 817
Living arrangements ... 41, 42, 63
Marital status ... 40
Medicaid payments and recipients ... 580
Medicare program ... 575, 577
Mobility status ... 24
Multimedia users ... 879
Nursing homes ... 152, 162, 163
Nutrient intake ... 188
Physician/Dental visits ... 147
Poverty ... 40, 715, 716, 721
Prisoners under sentence of death ... 311
Projections ... 15, 16, 29
States ... 29
Social Security beneficiaries, payments ... 565
Visual impairment ... 172, 175
Elections:
Black elected officials ... 415
Campaign expenditures ... 424, 427, 428
Congressional ... 400–403, 419
Gubernatorial ... 412, 420
Hispanic officials ... 416
Political action committees ... 426
Presidential ... 397–399, 419
Registration requirements ... 423
Senatorial primaries ... 420
Voter registration ... 421–423
Voter turnout ... 418, 422, 423
Votes cast ... 423
Voting-age population ... 418, 422
Women in public office ... 417
Electric central stations, horsepower ... 903
Electric equipment:
Employees and earnings ... 642
Injury rate ... 664
Electric light and power industry:
Balance sheet and income account ... 936
Construction costs ... 1199, 1201, 1202
Consumer cooperatives ... 833
Consumption of fuel ... 1175
Electric energy (*see also* Electricity) ... 930
Consumption ... 930
Electric light and power industry—Continued
Electric energy (*see also* Electricity)—Continued
Production ... 930
World and foreign ... 934
Sales ... 934
General capacity, installed ... 930
General capability ... 930
Ownership, class of ... 930
Peak load ... 930
Revenues ... 935
Electric machinery (*see also* Machinery):
Exports, U.S. as compared to world ... 1348
Foreign trade ... 1344, 1349
Manufacture ... 1248
Capital appropriations and expenditures ... 1249
Employees ... 642, 1242, 1248
Earnings ... 1248
Expenditures, plant and equipment, new ... 1249
Injury rates ... 1248
Shipments, value ... 1248, 1249
Stockholders' equity, profit rates on ... 1249
Wholesale trade ... 1315, 1316
Producer price indexes ... 1316
Summary ... 1315
Electricity (*see also* Fuel and lighting):
Capability ... 930
Commercial buildings ... 1000
Consumption ... 930
Expenditures ... 1000
Foreign countries ... 938, 1408, 1409
Generating plants, ownership ... 930
Nuclear capacity ... 930
Prices ... 756, 759, 909, 1000
Indexes ... 735
Production and consumption ... 904, 930
Residential use ... 912–915, 1225, 1226
Sales ... 929, 934
State data ... 930
Electronic equipment:
Advertising expenditures ... 900
Components and accessories ... 1283, 1291, 1292
Sales ... 1292
Computing equipment, summary ... 1283
Corporations, financial data ... 880
Earnings per share ... 880
Employment in manufacturing ... 642
Employment projections ... 643
Foreign trade ... 1258–1261, 1349, 1350
Research and development ... 954
Return on equity ... 880
Sales ... 1283
Semiconductors ... 1292
Shipments ... 1280, 1283, 1288, 1289, 1290
El Salvador. *See* Foreign countries.
Emery, production and value ... 1197
Emphysema ... 118, 160, 161
Employee benefits ... 686
Employment agencies ... 1
Employment and labor force. *See* Labor force, employment, and earnings.
Employment cost index ... 684
Endangered species ... 360
Energy:
Assistance for persons with limited income ... 581
Characteristics of households ... 915, 916
Commercial buildings ... 912–915, 1000
Consumption ... 904–909, 912–914, 925, 926
By characteristic of household ... 912–916
By type of fuel ... 913–915
End-use sector ... 907
Foreign countries ... 1408, 1409
Source ... 906
States ... 930
Development and research ... 954
End-use sector ... 907, 908
Expenditures ... 910, 1000
Commercial ... 1000
Consumption ... 910
Manufacturing ... 1000
Residential ... 912
States ... 930
Type of structure ... 912
Wood ... 913
Fossil fuel prices ... 1000
Households ... 915, 916
Production ... 904, 930
Companies ... 930
Foreign countries ... 921, 1408, 1409
Solar collectors, manufacturers' shipments ... 1000

Digitized by Google

Table

Energy—Continued
Wood ... 944, 1225, 1226
Energy, Department of, budget authority and outlays ... 476
Energy security trust fund ... 473
Engineering:
Degrees conferred ... 255–257
Salary offers ... 212, 253
Employment:
Federal Government ... 966
Establishments, employees, payroll ... 1320
Graduate students ... 967
Receipts ... 1321
Engineers and scientists ... 963, 965, 966
Employment ... 627, 964
Institutions of higher education ... 965
Engines and turbines:
Manufacture ... 1242
Employees ... 642, 1242, 1290
Earnings ... 642
Entertainment (*see also* Recreation):
Personal expenditures ... 364
Environmental Protection Agency:
Budget authority and outlays ... 476
Employment ... 501, 502
Waste treatment facilities, Federal aid to State and local governments ... 436
Environmental science ... 961
Equipment rental and leasing services ... 1320, 1321
Graduate students ... 967
Equatorial Guinea, population and area ... 1378
Estate and gift taxes ... 471, 487
Ethane ... 1171
Ethiopia. *See* Foreign countries.
Europe. *See* Foreign countries.
European Economic Community ... 1389
Evaporated milk ... 184, 1116
Exchanges:
Commodity futures trading ... 812
Securities ... 806, 807, 809, 810
Excise taxes ... 445, 471, 487
Executions ... 313, 314
Executive service (Federal):
Budget outlays and authority ... 476
Employment ... 484, 501, 502
Expectation of life (average lifetime) ... 106–109
Foreign countries ... 1380
Expenditures. *See individual subjects.*
Expenditures of State and local government. *See individual governmental units.*
Expenditures of U.S. Government ... 430, 471, 987, 1161, 1337–1339, 1341
Aid to the arts and humanities ... 385
Aid to outlying areas ... 523, 1341, 1358, 1360
Aid to State and local government ... 434–436, 441, 987
By function ... 435
Highway trust fund ... 987
Atomic energy defense activities ... 509
Budget authority ... 476
By type ... 431
Capital outlay ... 432
Defense ... 471, 509–511, 1093, 1161
Contracts and payrolls ... 514, 516
Cost of American wars ... 522
Foreign military assistance ... 523
International comparison ... 1424
Research and development ... 512
Stockpile materials ... 1161
Veterans programs ... 508
Departments and agencies ... 514
Education. *See* Federal aid to education.
Food programs, Federal ... 553, 557
Function ... 471
Health services and supplies ... 135, 136
Hospitals ... 155, 156
Land and buildings ... 504
Loans, direct and guaranteed ... 482
Military services ... 508, 509, 514, 516
National defense ... 510, 511
Payments for public assistance ... 552, 557, 588
Payrolls ... 461, 462
Pollution control ... 339, 343
Public debt ... 470, 477, 478
Interest earned ... 431, 471
Public roads ... 987
Research and development ... 948–954, 956, 963
By field of science ... 952
Rivers, harbors, and flood control ... 1037
Schools, public and private ... 191, 192
Social welfare programs ... 552, 553, 555, 560
Social insurance benefits ... 558

Table

Expenditures of U.S. Government—Continued
Space programs ... 969–971, 974, 1033
Trust funds ... 471, 473
Veterans benefits. *See* Veterans affairs.
Vocational rehabilitation ... 587
Export-Import Bank ... 501, 502, 1337
Exports. *See* Foreign trade.
Eyeglasses and contact lenses ... 131, 132, 134
Elderly ... 175
Expenditures for ... 131, 132

F

Fabrics. *See* Textile industry *and* Textiles.
Factories. *See* Manufacturing industry.
Failures. *See individual subjects.*
Falls, deaths from ... 123
Families. *See* Households or families.
Family planning ... 102
Fans, shipments, value ... 1297
Farm Credit Administration ... 502
Farm implements and machinery. *See* Agricultural implements, etc.
Farm mortgage loans:
Debt outstanding ... 793, 1087, 1088
Held by commercial banks ... 778, 791
Held by mutual savings banks ... 791
Interest payable ... 1074
Principal lenders ... 684, 791, 1232
Veterans guaranteed and insured ... 551
Farm products. *See* Farms, and *individual products value.*
Farm real estate ... 1065, 1066
Farm supplies, wholesale trade ... 1315
Farmer cooperatives ... 833, 1084
Farmers and farmworkers ... 1053
Bankruptcies filed ... 837, 1071
Employment ... 627
Employment projections ... 626, 631
Indexes of inputs ... 1085
Migratory workers ... 1088
Off-farm work, days ... 1061
Tenure of operator ... 1060
Unemployment ... 636, 638
Wages or income ... 1088
Personal income component ... 878
Farms ... 1018, 1019, 1053, 1059, 1337, 1342, 1349
Acreage ... 1057, 1060, 1062, 1063
Average per farm ... 1057
Cropland ... 320
Crops harvested (*see also individual crops*) ... 1099, 1100, 1102, 1104–1106, 1108, 1109
Principal crops ... 1091
States ... 1058
Used for domestic purposes, exports ... 1092
Utilization ... 320
Agricultural products:
Exports, acreage used for producing ... 1092
Foreign assistance ... 1337
Foreign countries, production ... 1412, 1414
Foreign trade ... 1094, 1096–1098, 1342
Waterborne commerce ... 1040
Income from ... 1074, 1076, 1078
Marketed through farmer cooperatives ... 1084
Output and marketing indexes ... 1089, 1091
Prices (*see also* Prices received by farmers):
Producer ... 735
Production, U.S. and world ... 1094
Railroad car loadings ... 1018, 1019
Wholesale trade ... 1315, 1316
Sales, inventories ... 1316
Summary ... 1315
World production ... 1373
Assets and liabilities ... 766, 1067, 1072
Balance sheet of the farming sector ... 1067
Capital stocks ... 1220
Construction value ... 1201, 1202
Consumer expenditures, farm foods ... 1083
Credit ... 791
Crops (*see also individual crops*):
Acreage harvested ... 1092, 1099, 1100, 1102, 1104–1106, 1108, 1109
Acreage, summary ... 1091
Fruits and nuts ... 1091, 1110
Income from ... 1076, 1078
Output and marketing indexes ... 1089, 1091
Prices ... 1080, 1102, 1104, 1108
Producer price indexes ... 735

Digitized by Google

Table

Farms—Continued
Crops (*see also individual crops*)—Continued
Production 1093, 1100, 1102, 1104, 1105, 1107, 1110
Value 1099, 1100, 1102, 1104–1106, 1108, 1110
Vegetables 1091, 1109, 1349
Foreign trade 1349
Debt 1067–1069, 1072, 1079
Mortgage outstanding 793, 1067, 1068
Expenditures 1070, 1075
Farm marketings 1073, 1076, 1078
Government payments to farmers 1073, 1074, 1077, 1078
Gross farm product 1073
Horsepower, work animals on farms 903
Households or families, characteristics 1054
Income 1070, 1073, 1080
Farm operators 1074
Government payments to farmers 1073, 1074, 1077, 1078
Income and production expenses 1070, 1074
Input indexes 1085
Inventories, change in 1073
Irrigated farmland 1063
Labor inputs 1065, 1089
Livestock on farms, by State 1113
Living cost 1074
Motor equipment on farms 1086
National income, origin in 1073
Number of farms 1056–1060, 1062, 1070
Operator characteristics 1061
Outlying areas of United States 1371
Population 1053, 1055
Characteristics 1055
Poultry, number on farms 1114, 1115
Price supports, CCC transactions 1081
Prices received by farmers:
Crops 1100, 1102, 1104–1106, 1108
Livestock and products 1112, 1115
Proprietors income 784
Real estate, input indexes 1085
Real estate, value 1065
Rental value of homes 1073
Size 1059
States 1058
Taxes 1073, 1074
Tenure of operator 1060, 1061
Type 1060
Type of organization 1062
Value:
Farm output 1073
Farm products sold 1058, 1062, 1069, 1083
Farm property:
Land and buildings 1058, 1062
Livestock 1067
Wages paid, hired labor 1074
Fatalities. *See* Accidents and fatalities.
Fat, nutrient available for consumption 187
Fats. *See* Lard, Margarine, *and* Oils.
Federal aid to education 436, 552
Elementary and secondary schools 191, 192, 553
Handicapped students 221
Higher education institutions 191, 192, 235, 245, 471, 553
Scientific purposes 959
Research 949, 950, 956
Science and engineering 956
Federal aid to State and local government 434–436
Pollution abatement and control 341
Federal banks. *See* Banks.
Federal budget:
Outlays 508
National defense and veterans programs 508, 509
Receipts, outlays, and debt 471, 476
Trust funds 471,473
Federal Deposit Insurance Corporation 501, 502
Federal employees, civilian. *See* Government.
Federal food programs 592
Federal funds, summary distribution by State 485
Federal Government. *See* Government.
Federal Government finances. *See* Receipts *and* Expenditures of U.S. Government.
Federal Housing Administration mortgage loans 794
Federal real property 322
Feed:
Farm expenditures for 1074
Farm output indexes 1089, 1091
Foreign trade 1349
Feldspar 1154, 1160
Female householder. *See* Households or families.
Female population. *See* Women.
Ferroalloys 1153, 1195
Foreign trade 1195, 1350
Ferroalloys—Continued
Production 1195, 1350
Fertility, fertility rate 82, 95
Fertilizers:
Farm expenditures for 1074
Foreign trade 1349, 1350
Imports 1238
Manufacture, summary 1243
Supply and use 1238
Fetal deaths 113
Figs, fresh 1311
Fiji Islands, population and area 1378
Filberts 1311
Fillipino. *See* Minority groups.
Filling stations. *See* Gasoline service stations and garages.
Finance. *See individual subjects.*
Finance companies:
Assets and liabilities 780
Automobiles, new and used, finance rates 1208
Consumer installment credit 795
Finance, insurance, and real estate:
Assets or liabilities 849
Corporations, partnerships, and proprietorships 825, 826
Earnings per share 867
Employees 630, 640, 642, 763, 764, 832
Compensation 845
Earnings, hours 640, 642, 846
Injuries 864
States 64
Employment projections 631
Establishments 764, 782, 832
Flow of funds 766, 768, 769
Foreign investments in U.S. 1335
Gross national product, origin in 670, 762
Income and profits 825, 864
Partnerships 829
Payroll 764, 832
Return on equity 867
Sales 867
Unemployment rate 635
Financial instruments, Commodity futures trading 912
Finland. *See* Foreign countries.
Fire department. *See* Public safety
Fire insurance 818
Firearms 478
Accidental deaths 135
Fires and fire losses 280, 315–317
Accidental deaths 123
Arson 280
Firms. *See* Business enterprise *and individual types of business and industry.*
Fish (*see also individual species*):
Canning and preserving 1137, 1144
Catch, quantity and value 1136, 1138–1142, 1146
Foreign countries (catch only) 1141
Consumption 184
Foreign trade 1134, 1149, 1349, 1350
Prices 1145
Production and value 1144
Supply 1134
Fish meal and oils 1146
Fish, seafood, and eggs, expenditures 688
Fishery industry 1135
Catch 1136
Foreign trade 1148
Products 1134, 1137
Fishing and hunting 360, 361, 364, 367, 374, 375, 377–380
Fixed weighted price indexes 707
Flax, consumption by mills 1241
Floods 1288
Floor coverings:
Imports 1355
Manufacture 1244
Employees 642, 1244
Earnings 846
Producer price indexes 735, 1149
Floor polishers, electric, sales and retail value 1276
Floppy disks, shipments and value 1267, 1270
Florida. *See* State data.
Florists 1302
Flounder 1139, 1140, 1142
Flour, consumption (*see also* Grain-mill products) 1184
Flow of funds 694, 765–769
Corporate business 827
Fluorspar 1154
Fodder. *See* Feed *and* Hay.
Food expenditures by type:
Food at home 689

Digitized by Google

Table

Food expenditures by type—Continued
Food at home—Continued
Beef and pork 689
Cereal and bakery products 689, 1083
Fish, seafood and eggs 689
Fruits and vegetables, fresh, processed 689, 1083
Milk, cream, other dairy products 689, 1083
Poultry, and other meats 689
Food away from home 689, 1083
Percent of personal consumption expenditures, foreign countries 1390
Food for Peace 1095
Food products manufacturing industry 1042
Capital appropriations and expenditures 1252
Corporation sales, profits, and dividends 860, 867
Earnings per share 867
Employee injury rates 864
Employees 642, 1242, 1256
Earnings 642, 868
Expenditures 868
Plant and equipment, new 853
Research and development 954
Frozen fish 1144
Imports and exports 1258, 1260
Production indexes 1249
Return on equity 867
Sales 867
Stockholders' equity, profit rates on 866
Summary 1264
Food programs (Federal) 553, 557, 591–593
Food stamp program 553, 557, 591–593
Food waste disposers 1297
Foods and foodstuffs (*see also individual commodities*):
Agricultural prices 752
Car loadings 1019
Commodity Futures trading 812
Consumer expenditures 1083
Consumption 184–186, 1391
Foreign countries 1391, 1392
Costs, weekly food 752, 753
Foreign assistance 1337
Foreign trade 1343, 1344, 1348–1350, 1352
Quantity and value indexes 1343
Waterborne commerce 1040
Prices:
Consumer price indexes 738, 740, 741
Increase, U.S. and foreign countries 1401
Producer 730, 735
Retail 749, 750
Seafood 753
Spot market 734
Production indexes 1091, 1249
Foreign countries 1411
Retail trade:
Inventories 1307
Sales 1305, 1306, 1308
States 1310
Summary 1301, 1302
Foodservice industry:
Establishments 1309
Food and drink sales/purchases 1309
Football 372
Footwear:
Athletic 364
Consumer price indexes 740
Imports 1344, 1350
Manufacture 1242
Employees 642, 1242
Earnings 642
Output per hour; index 843
Production 1272
Producer price indexes 735
Retail sales 364, 1305–1307
Inventories 1307
Foreign affiliates 869
Industry of affiliate 869
Foreign aid by U.S. Government 1337–1341, 1422
Countries 1337–1341
Economic assistance 1341
Military aid 523, 1340
Programs 1337
Foreign aid to developing countries 1422, 1423
Foreign born population 44, 45
Foreign citizens, science doctorates 968
Foreign companies, U.S. affiliates 1333
Foreign countries:
Adopted children 594
Agricultural aid 1095
Aid by U.S. Government 523
Aid to developing countries 1422, 1423
Area and density of population 1378
Armed Forces personnel 1425

Table

Foreign countries—Continued
Arms exports and imports 518, 519, 521
Balance of payments 1327, 1328
Beverages, personal consumption expenditures 1390
Birth rates 1379, 1380
Cities 1381
College students enrolled in U.S. 241
Communications industry 1396
Consumer price index 740, 1401, 1406
Crude oil 922, 924, 925
Death and death rates 1379, 1380, 1382
Debt 1420, 1421
Economic indicators 667
Employment and labor force 1402, 1404
Energy production and consumption 920, 921, 1409, 1410
Exchange rates 1417
Export and import unit value indexes 1347
Fertility rates 1380
Financial resources 1422
Fish catches 1141, 1143
Food:
Consumption 1391, 1392
Personal consumption expenditures 1390
Production indexes 1411
Gasoline, retail prices 1009
Gross domestic product 685, 686, 1388, 1389, 1397
Gross national product 1387
Growth rates, economic 669
Health and medical services 1384
Health care expenditures and employment 1385
Hospitals 1384
Immigration to U.S. 8, 11, 32, 45
International transactions, balances 1327, 1328
Investments in U.S. 1330, 1332, 1336
Labor force participation rates 1403
Life expectancy 1380
Loans, by U.S. 784
Manufacturing establishments and employees:
Productivity, compensation and labor cost indexes 1405
Merchant vessels 1051
Military expenditures 517, 1424
Military personnel, U.S. on active duty 531
Military sales 524
Motor vehicles 990, 1394
Nobel prize laureates 957
Nonimmigrants from 393
Nuclear power generation 938
Ownership of U.S. agricultural land 1064
Personal consumption expenditures, food and beverage 1390
Physician visits 1384
Population 1378, 1379
Cities 1381
Production:
Crops 1412
Indexes 1406
Meat 1414
Minerals 1410
Steel 1407
Sugar 1107
Refugees admitted to U.S. 10
Research and development expenditures 958
Reserve assets 1416
Schools and education, expenditures 1386
Sewage treatment systems 1395
Social Security programs, payroll tax rates 1399
Space launches 975
Steel production and consumption 1407
Suicides 1382, 1383
Tax receipts by type of tax 1398
Territory ceded to United States 317
Trade 1406
Trade with United States 1328, 1344, 1345
Travelers to and from U.S., expenditures 387, 389–391
Vital statistics 1379, 1380
Foreign currency holdings 785, 1331
Foreign exchange rates 1418
Foreign grants and credits, U.S. Government 1337, 1338
Foreign investments in United States 1254, 1332, 1333, 1335
Foreign languages:
College students enrolled 240
Degrees conferred 255, 257
Foreign students, college 241
Foreign trade (*see also* Foreign aid, Foreign countries, *and individual commodities*) 1342, 1346
Agricultural products 1096, 1342, 1344
Acreage used for producing exports 1092
Meats and lard 1111
Value 1097, 1098

192-073 O - 88 - 31 : QL 3

Digitized by Google

Table

Foreign trade—Continued
Agricultural products—Continued
World and U.S. exports ... 1094
Aircraft and aircraft parts ... 1344
Automobiles, imports ... 1344
Balance of trade ... 1342
Coastal districts ... 1039
Commodity groups ... 1344, 1348, 1349
Continents ... 1344, 1345
Countries ... 1345, 1406, 1415
Customs regions and districts ... 1346
Exports:
Aerospace equipment, products, space vehicle systems ... 1034
Arms, by supplier and recipient countries ... 518, 519
By industry ... 1261
Commodities ... 1260, 1352
Countries ... 1176, 1413, 1415
Fiber (man made) ... 1269
Minerals ... 1162
Price indexes ... 746
Fertilizers ... 1087
Fish products ... 1134, 1148, 1149
Imports:
Books ... 368
By industry ... 1259
Commodities ... 1258, 1351, 1352
Countries ... 1176, 1413, 1415
Crude oil ... 1162, 1165
Fiber (man made) ... 1269
Fishery products ... 1148
Free and dutiable ... 1351
Minerals ... 1162
Price indexes ... 745
Semiconductors ... 1282
Tungsten ... 1282
Uranium ... 1187
Indexes of quantity and value ... 1343, 1347
International transactions balances, U.S ... 1327, 1328
Manufactures exports, U.S. compared to world ... 1253
Iron and steel ... 1275, 1277
Merchandise ... 1342, 1345
Countries ... 1345
Outlying areas ... 1369
Mineral fuels ... 923
Mode of transport ... 1036
Prices ... 744
Textile products ... 1270
Timber products ... 1122, 1133
Trade areas ... 1344
U.S. affiliates of foreign companies ... 1333
Vessels entered and cleared ... 1041, 1042
Waterborne commerce ... 1039, 1040
World summary, external trade ... 1373
Forest products (*see also individual products*):
Car loadings ... 1018, 1019
Foreign trade ... 1122, 1126, 1133, 1352
Manufacture ... 1129, 1242
Consumption ... 1122, 1123, 1126, 1130, 1132
Employees ... 1121
Prices ... 1124, 1125
Production ... 1122, 1126, 1130, 1132
Stocks ... 1126
National forests ... 1118
Forests:
Commercial ... 1119, 1120
Land, acreage and ownership ... 319, 505, 1119, 1120
National ... 1117, 1118, 1120
Payments and receipts ... 1118
Recreational use ... 360
Foundations, philanthropic ... 600, 602–604
Foundries, manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
France. *See* Foreign countries.
Franchised establishments ... 1311–1313
Fraternal associations ... 80
Fraternities ... 80
Freezers, home ... 1227, 1296, 1294, 1393
Freight traffic. *See* Air transportation, Canals, Railroads, Rivers, and Waterways.
Frozen foods:
Consumption ... 184
Fish ... 1137, 1146
Fruits ... 1110
Consumption ... 185
Foreign trade (fruits and preparations) ... 1092, 1097
Fruits and nuts:
Foreign trade ... 1349, 1350
Income and receipts from ... 1076

Table

Fruits and nuts—Continued
Output and marketing indexes ... 1089, 1090
Production and value ... 1090
Fruits and vegetables:
Consumer expenditures, fresh, processed ... 669, 1362
Producer price indexes ... 728
Retail prices ... 740
Retail trade, summary ... 1301, 1302
Fuel (*see also individual types, and energy*):
Commercial use ... 1237
Consumption:
Airplanes, aviation, certificated route carriers ... 1024, 1029
Manufacturing industries ... 1236
Motor vehicles ... 1002
Utilities ... 1238
Electricity generated by ... 936, 937
Foreign trade ... 1352
Industry, summary ... 1230
Prices ... 970
Retail ... 760, 1309
Producer ... 734
Production ... 905, 1152, 1154, 1156
Retail sales ... 1308
Retail trade, summary ... 1301, 1302
Used in heating and/or cooking ... 1225, 1226
Utilities ... 942, 943
Fuel and lighting, price indexes:
Consumer ... 742
Producer ... 728
Retail ... 756
Fuel oils:
Consumption:
Airplanes ... 1024, 1029
Motor vehicles ... 1002
Residential ... 971
Foreign trade ... 1162, 1166, 1352
Fossil fuel prices ... 970
Inventories, value, and quantity ... 1170
Price indexes:
Producer ... 728
Retail ... 756
Production ... 1166, 1167
Residential use ... 914, 1226
Fund-raising campaigns ... 600
Funds, flow of ... 765, 766
Funeral services and crematories ... 1320, 1321
Furnishings, house. *See* Housefurnishings.
Furniture:
Advertising expenditures ... 886
Employees and earnings ... 642
Manufacture ... 1242
Employees ... 631, 642, 1258
Earnings ... 642
Injury rates ... 684
Expenditures, plant and equipment, new ... 1242
Output per hour, index ... 1243
Production indexes ... 1249
Retail sales ... 1305, 1306, 1310
Employees ... 1301, 1302
Inventories ... 1307
Retail trade, summary ... 1301, 1302
States ... 1310
Wholesale trade ... 1315, 1316
Producer price indexes ... 728
Sales inventories ... 1316
Summary ... 1315
Furs and fur goods:
Foreign trade ... 1350
Futures price indexes, selected commodities ... 748

G

Gabon. *See* Foreign countries.
Gadsden Purchase ... 319, 321
Gambling and gamblers, arrests ... 279
Games, toys, etc.:
Advertising expenditures ... 900–902
Expenditures ... 383
Foreign trade ... 1350
Manufacture ... 1242
Producer price indexes ... 738
Garages. *See* Gasoline service stations and garages.
Gardens, home, characteristics, gardening ... 375, 376
Garnet (abrasive), production and value ... 1154
Gas (*see also* Petroleum and gas wells):
Customers, sales, and revenue ... 940
Average prices, selected areas ... 752
Gas mains, mileage ... 942
Liquefied petroleum gases ... 1171

Digitized by Google

Table

Gas—Continued
- Manufactured, customers, sales, and revenue 943
- Natural ... 905, 910, 1022, 1153, 1154, 1159, 1167, 1170, 1172, 1174
  - Consumption 906, 907, 909, 914, 920, 1173
  - Customers, sales, and revenue 943, 1173
  - Drilling expenditures 1166
  - Energy expenditures 910
  - Energy production and consumption 904, 905
  - Exports and imports 1350, 1352
  - Foreign trade 923
  - Imports 905
  - Industry, summary 1153
  - Inventories, value, and quantity 1170
  - Offshore lease revenues 1169
  - Marketed production 1173
  - Pipeline companies, mileage 1022
  - Prices 747, 919, 1159
  - Production 906, 921, 1172, 1174
    - Foreign countries 1408, 1409
  - Reserves 1173
  - Residential use 913, 914, 1226
- Price indexes:
  - Producer 735
  - Retail 756
- Production and value 1154, 1173
- Production indexes 1152
- Revenues 942
- Sales 942

Gas and electric utilities:
- Employees and earnings 642
- Output per hour index 643
- Price indexes 757

Gas utility industry:
- Accident and deaths 980
- Balance sheet and income account 941
- Construction costs 1199
- Customers, sales, and revenue 942
- Employment projections 631
- Finances 1022, 1173
- Mains, mileage 1022
- Revenues 941, 943
- Sales 943
- Value of new construction 1201, 1202

Gasoline and motor oil, expenditures 688

Gasoline excise taxes 445

Gasoline service stations and garages:
- Employees 1301, 1302
- Franchises 1312
- Retail sales 1301, 1302, 1305, 1307, 1310
  - Inventories 1307
- Retail trade summary 1301, 1302
- Robbery 270
- States 1310

Gem stones 1154, 1162

General merchandise, retail trade:
- Employees and earnings 642
- Establishments and employees 1302
- Inventories 1307
- Sales 1305–1307, 1310
- States 1310

General Services Administration, employment 501, 502

Geographic data 325, 326

Geography and cartography 966

Georgia. *See* State data.

Geothermal energy 904, 905

Germany. *See* Foreign countries.

Ghana. *See* Foreign countries.

Gibraltar. *See* Foreign countries.

Gift, novelty, and souvenir stores:
- Retail trade summary 1302

Gift taxes 487

Glass (*see also* Stone, clay, and glass products):
- Foreign trade 1350
- Manufacture 1242
  - Corporations, financial data 860
  - Employees 642, 1242
    - Earnings 642
  - Output per hour index 643
  - Producer price indexes 735, 1198

Gloves, leather 1242

Gold, summary 1152, 1154, 1164, 1180, 1331
- Imports as percent of consumption 1164
- Mining industry, summary 1153
- Prices 747
- Production and value 1154, 1180
  - World 1408
- Reserve assets 1331

Golf 365, 373, 375

Table

Government (*see also* Expenditures of U.S. Government, *and* Receipts, U.S. Government, *and individual government units*):
- Capital stock 722
- Collective bargaining agreements 684
- Construction value of buildings 1201, 1202
- Earnings; local/state government employees 666
- Employees 640, 642
  - City government 467–469
    - Compensation 645
  - Federal, civilian 461, 462, 494–496, 500–502
    - Abroad 3
    - Accessions and separations 496
    - Agency 497, 501, 502
    - Blue-collar workers 495
    - Compensation authority 466
    - Defense-related work 515
    - Displaced workers 837
    - Health benefits 136
    - Metropolitan areas 495
    - Minority groups, by pay category 503
    - Pay increases 499
    - Payrolls 494
    - Salaries, annual average 666
    - Sex 495
    - Sick leave 574
    - States 497
    - Type of position 495
    - Wages and salaries 494, 500
    - White-collar workers 494, 495
  - Injury rates 663
  - Local government 461, 462, 465, 466
  - Scientific and technical 960, 966
  - State government 461, 462, 465, 466
  - States 641
- Employment cost index 655
- Employment projections 626, 631

Expenditures:
- City government 455–458
- Federal 431, 432
  - Aid to State and local government 341, 434–436, 587
    - Capital outlay 432
  - Public assistance programs 507
- State and local government 430–433, 437, 441
  - Capital outlay 432
  - City government 457
- State government 430, 431, 432, 444

Federal participation in domestic credit markets 481

Federal real property 322

Federally owned land 322

Finances, State government 444

Flow of funds 765, 766, 767

Gross product, originating in 670

Hospitals 152

Insurance. *See* Social Insurance.

Land. *See* Public lands.

Local government:
- Cities:
  - Employees, earnings, and payroll 467–469
  - Finances 455–458
- County finances 464
- Employees 461, 462, 463, 465, 466
  - Earnings 466
- Number, by type 429, 452
- Payroll 461, 462, 465
- Population, by size-group 450

National income, origin in 675

Number of units by type of government 429, 452

Payrolls 461, 462

Purchases of goods and services 668

Receipts 431, 437, 441, 442, 444–448, 451
- City governments 455–458

Revenue losses due to Federal tax laws 475

Salaries and wages (*see also* Income, *and individual industries*):
- **Local government employees 466**
- **State government employees 466**

Securities 803, 805

Strategic and critical materials, summary 1161

State and local governments:
- **Employees, annual salaries 463**
- **Federal aid 434–436**
- **Finances 437–440**
- **Labor management relations 464**
- **Local government 451**
- **Payroll 461, 462**

Structures 504

Unemployment rate 835

Digitized by Google

Table

Government—Continued
Wages and salaries:
National income component 674
Governors, number and vote cast 411, 412, 420
Graduates:
College 201-203, 232
High school 201-204, 232
Grain (*see also individual classes*):
Car loadings 1018
Consumption 184
Commodity Futures trading 812
Farm income 1076
Foreign trade 1097, 1098, 1344, 1349
Exports by trade areas 1344
Output indexes 1089, 1091
Producer price indexes 735
Grain-mill products, manufacture 1242
Employees 642, 1242
Earnings 642
Output per hour index 643
Grants reported by subject 803
Grapefruit, production and value 1110
Grapes, production and value 1110
Grazing:
Land, Federal acreage 320
National forests, livestock, and receipts 1118
Public lands, leases 507
Great Britain. *See* Foreign countries.
Great Lakes:
Commerce 1038, 1039
Fisheries 1138, 1140
Greece. *See* Foreign countries.
Greek letter societies 80
Greenland. *See* Foreign countries.
Greeting cards, manufacture 1242
Grocery stores:
Retail sales 1301, 1302, 1305–1307
Inventories 1307
Retail trade summary 1301, 1302
Wholesale trade 1315, 1316
Summary 1315
Gross domestic product:
Annual growth rates, international comparisons 685
By country 686, 1389, 1397
Gross national product 668, 671, 673, 687, 993, 1298
By country 685
By industry 670, 762, 1296
Components—Annual growth rates 669
Current and constant dollars 668
Economic growth rates indicators 669, 687, 906
Foreign countries 687, 1387, 1388
Implicit price deflators for 668, 732
Motor vehicle products as percent of 993
National defense outlays as percent of GNP 504
National health expenditures as percent of GNP 129
Originating in manufacturing 1240
Relation to national and personal income 672
Gross private domestic investment in relation to GNP 668, 671, 851
Current and constant dollars 851
Gross saving and investment 679
Ground water used 328
Groundfish, imports 1149
Group health insurance plans 140
Guadeloupe, population and area 1378
Guam. *See* Outlying areas of U.S.
Guatemala. *See* Foreign countries.
Guinea. *See* Foreign countries.
Guns. *See* Firearms.
Guyana. *See* Foreign countries.
Gypsum and gypsum products 1154, 1160, 1164
Producer price indexes 735, 1196
Production and value 1154, 1160

H

Haddock:
Catch 1139, 1140, 1142
Fresh and frozen packaged 1144
Imports, pickled or salted 1149
Hake, pacific whiting, imports 1139, 1149
Halibut 1139, 1140, 1142, 1149
Hallucinogenic drugs 180
Hams, bacon, etc., imports 1350
Handbags, manufacture, summary 1242
Handicapped:
Federal aid in education 221
Institutional population 74
Public school enrollment 221, 222

Table

Hardware:
Manufacture, summary 1240
Retail sales 1301, 1302, 1307
Retail trade summary 1301, 1302
Wholesale trade 1315
Producer price indexes 735, 1196
Sales inventories 1316
Summary 1315
Hats, manufacture 1242
Hawaii. *See* State data.
Hay:
Acreage, production, and value 1100
Hours per unit of production 1095
Output indexes 1089, 1091
Prices, farm 1100
Indexes (hay and hayseeds) 735
Supply and disappearance 1100
Hazardous wastes 330
Expenditures for abatement 340
Generated sites 334
Transportation 342
Hazelnuts (filberts) 1110
Headphones 1296
Health:
Volunteers, percent involved 589
Health and beauty aids, retail sales 1309
Health and Human Services, Department of:
Budget authority and outlays 478
Employment 501, 502
Expenditures, research and development 953
Health and medical associations 80
Health and welfare, Federal budget receipts 477
Health care:
Consumer expenditures 130–133, 830
Consumer price indexes 139, 740
Coverage 140, 141, 556, 557, 575, 578, 579
Education and training 138
Employees 152, 626, 627, 631, 656, 657
Employment benefits 657
Foreign countries 1385
Projections:
By industry 637
By occupation 626
With group health plan 656
Expenditures 130–136, 474
Consumer 130–133, 139
Federal 135, 136, 951
Foreign countries 1385
Public 130, 131, 133–136
Facilities 161, 162, 164, 165
Federal outlays for 130, 135, 136, 435
Foreign countries 1384, 1385
Government employment and payrolls 462
Governmental expenditures 130–136
Gross national product, origin in 1298
Hospitals 156
Hospitals and institutions 152–156
Government employment and payrolls 462
Industry employees and earnings 642
Industry injury rate 664
Medicaid 136, 140, 435, 553, 557, 579, 580
Medicare 130, 135, 136, 140, 553, 561, 569, 564, 575, 579
National expenditures 129–134
Nursing homes 131, 132, 134, 162, 163
Facilities 162
Occupational safety and health 138
Personal expenditures 133, 134
Personal health products 178
Philanthropy 131, 133, 134, 800
Price indexes 136, 739–741
Public expenditures 130, 131, 133, 552, 553
Federal Government 130, 135, 136, 435
Aid to State and local governments 435
Foreign countries 1385
State and local government 437
City government 455, 457
State government 442–444
Research 130, 131, 136
Revenue losses due to Federal tax laws 475
Service industry:
Receipts, revenues 1321
Summary 1319, 1320
Veterans health care 130, 131, 135, 136, 549
Health insurance (*see also* Medicare):
Coverage 140, 141
Dental insurance 141
Enrollment and payments 579
Expenditures for 129, 130, 139
Consumer 139

Digitized by Google

Table

Health insurance—Continued
Premiums and policy reserves, life insurance companies 814
Private organizations, financial data 137
Health Maintenance Organizations 142
Health sciences, degrees conferred 256–257
Health services and supplies, expenditures 129–135
Hearing impaired 174
Heart disease 117–119, 121, 133, 134, 139, 160, 172, 173
Diagnostic and surgical procedures 148
Elderly 174
Foreign countries 1382
Heating and plumbing equipment, etc.:
Heat pumps 1225
Housing units 1225, 1227
Expenditures for maintenance and repair 1229
Type of fuel 1226
Manufacture 1242
Employees 642, 1304
Earnings 642
Producer price indexes 769, 1198
Wholesale trade summary 1315
Heights, average, by age and sex 183
Helium, production and value 1154
Hepatitis 169
Heroin, persons using, and seizures 180, 181, 286
Herring, sea, pacific 1139, 1140, 1142
Hides and leather products (*see also* Leather and leather products):
Foreign trade 1097, 1098, 1349, 1350
Producer price indexes 735
Highways:
Accidents and deaths 1000
Construction costs 1199
Value of new construction 1201, 1202
Debt, State and local government 989
Employees, government 462, 465, 468
Expenditures:
City government 457
State and local government 437
City government 455, 457
State government 442, 444, 986
U.S. government 981, 987
Federal aid to State and local governments 435
Highway trust fund 436, 473, 987
Federal-aid systems 982, 983, 987
Mileage 982, 983, 1000
Motor fuel consumption 1003
Motor fuel tax 988
Railroad grade crossings and accidents 1017
Roads and trails, national forests 1118
Type and control 982, 983
Types of roads travelled 1000
Highway trailers, car loadings 1018
Hiking 360, 365, 374
Hispanic origin population (*see also* Minority groups):
Age and/or sex 15, 19
Projections 15
AIDS 170
Assets, households owning 792
Births and birth rates 66, 94
Cities 36
Children under 18 years old 69, 715
Criminal victimization 273
Disabled persons 586
Disability days 166
Discretionary income 698
Educational attainment 202–204
Elderly 19, 715, 716
Elected officials 416
Families, characteristics 66, 67
Family planning 102
Fertility 95
Health insurance coverage 140
Households characteristics 58, 60
Income 681, 682, 690, 691, 710
Family 690, 699, 700, 702
Household 690–695, 697
Jail inmates 303
Labor force and employment:
Employed 607, 619
By industry, occupation 627
Disabled persons 658
Multiple jobholders 618
Occupations 630
Participation rates 608
State and local governments 463
Unemployed 607, 619, 632, 634
Union membership 667

Hispanic origin population—Continued
Marital status 51
Metropolitan areas 34
Multimedia users 897
Poverty 712, 715–719, 721
Preprimary school enrollment 198
Projections 15
Wealth 727, 728
Historic sites 358
Hobby, avocational associations 80
Hockey 372
Hogs 1076, 1112, 1113
Home appliances. *See* Appliances.
Home health care 576
Home loan banks. *See* Banks.
Homes. *See* Housing, etc.
Homestead entries on public land 506
Homicides 122
Race and sex 268
Honduras. *See* Foreign countries.
Hong Kong. *See* Foreign countries.
Horseback riding 360, 375
Horsepower 903, 1086
Hospitals 152–160
Average daily room charge 158, 159
Beds 155, 156
Foreign countries 1384
Building permit value 1206
Buildings and floor space 1237
Charges and personal expenditures for 132–136, 139, 577, 580
Chronic disease 74
Construction 1201, 1202, 1204
Cost to hospital per patient 158, 159
Diagnostic procedures 157
Discharges from 154, 160
Employees 152, 155, 156, 630, 631, 642
Earnings 642
Projections 631
State and local government 465
Expenses 152
Facilities 155, 156
Foreign countries 1384
Government 152, 154, 155
Grants, foundations 603
Insurance:
Benefits 137, 561, 563, 564
Medicare program 576, 577
Persons covered 141
Long-term 155
Mental hospitals 74, 152, 165
National expenditures 129–134
Non-profit control 152, 154, 155
Occupancy rate 155, 156
Outpatient visits 153, 156
Patients admitted 156
Prices, indexes 318
Private expenditures, construction 130
Profit control 152, 154, 155
Psychiatric 152, 155, 164
Public expenditures 129–134
State and local government 130, 155, 158, 437, 455
County governments 454
State governments 442
Receipts, revenues 1321
Residents 152
Short-term 155, 156
States 156, 159
Surgical procedures 157
Tuberculosis 74, 152, 155
Use, admissions, and patient days 153, 154, 156, 160
Foreign countries 1384
Veterans, expenditures, and patients 165, 471, 549
Hotels and other lodging places:
Employees 642, 1299, 1320
Earnings 642
Franchises 1312
Gross national product, origin in 1298
Indexes of operations 1322
Receipts 1321
Service industry: Summary 1319, 1320
Hotels, motels, tourist courts, camps 1320, 1321, 1322
Receipts 1321
Hours and earnings (*see also* Salaries and wages *and individual industries and occupations*):
Aircraft personnel 978
Compensation by industry 645
Earnings:
Collective bargaining settlements 659–661
Educational attainment 231
Manufacturing 648

Digitized by Google

Table

Hours and earnings—Continued
Earnings—Continued
Minimum wage rates ... 654
Nonagricultural industries ... 648
Occupation by sex ... 653
Production workers, manufacturing, States ... 649
Union members ... 667
Wage and salary workers ... 577
Farmworkers ... 1068
Indexes of payment ... 644
U.S. and foreign countries ... 1405
Industry groups ... 640–642, 646, 648
Railroad employees ... 978
Year-to-year changes, earnings and compensation ... 647
House of Representatives ... 401–404, 407
Housefurnishings (*see also* Appliances):
Advertising expenditures ... 899–902
Manufacture, summary ... 1242
Retail sales ... 1301, 1302, 1305, 1307
Inventories ... 1307
Retail trade, summary ... 1301, 1302
Sales inventories ... 1316
Summary ... 1315
Household workers. *See* Private household workers.
Households or families (*see also* Housing and housing units) ... 56, 58, 59, 62, 64–68
Age of householder ... 59, 60, 692, 693, 695, 697
Assets ... 720, 722, 726, 728, 799
Automobiles, ownership ... 1006, 1007, 1227
Black ... 58–60, 66, 67, 691–693, 695, 697, 699, 701
Characteristics ... 62
Children under 18 years old ... 62, 65, 70
Criminal victimization ... 274, 275
Earnings:
Family relationship ... 651
Family type ... 652
Educational attainment ... 692
Elderly ... 692, 695, 697, 715, 716
Farm ... 1054, 1061
Female householder ... 56–60, 62, 65, 66, 68–70
Flow of funds ... 765–767, 769
Hispanic ... 58–60, 66–68
Income ... 556, 691, 694–697
Age of householder ... 692, 695, 697
Below poverty level ... 40, 556
Black ... 690–692, 695, 697, 699, 701
By type of household ... 694
Educational attainment ... 692
Elderly ... 692, 695, 697, 716
Families, by States ... 706
Hispanic ... 690, 693, 697, 699, 702
Husband-wife families ... 704, 706
Labor force participation ... 706
Marital status ... 692
Multimedia users ... 679
Poverty ... 556, 712–714, 716
Age ... 719
Black ... 719
Educational attainment ... 719
Hispanic ... 719
Labor force participation ... 719
States ... 61
Tenure ... 692, 697
Type of family ... 702, 704, 705
Type of household ... 695, 697
Interracial couples ... 50
Life insurance ownership ... 817
Living arrangements ... 40, 43, 63, 64
Male householder ... 55, 58, 62, 64, 65, 66, 69
Marital status of householder ... 55, 60
Married couples with or without own household ... 55, 57–60, 62, 65–68
Minority groups ... 58
Motor vehicles, ownership ... 1006
Net worth ... 720–728, 799
Non-family ... 58–60, 62, 64
One-person households ... 59, 60, 62, 73
Outlying areas of U.S. ... 1416
Persons in households ... 40, 55
Poverty ... 713
Projections ... 57
Public assistance to families ... 556, 557
Region of householder ... 60, 61
Size ... 56, 59, 60, 66
States ... 61
Taxes paid ... 696
Travel ... 1005
Wealth ... 726, 728
Housing and housing units (*see also* Households or families):
Buildings permit value ... 1206, 1207

Table

Housing and housing units—Continued
Condominiums ... 1220
Construction:
Apartments completed and rented ... 1218
Cost ... 1199
Mortgage loans ... 1209
New units ... 1207, 1208, 1210
Value ... 1201, 1202, 1204, 1206
Consumer price indexes ... 738, 740, 741, 755
Foreign countries ... 1401
Energy:
Characteristics ... 1211, 1225, 1226
Consumption ... 907–909, 912–915
Expenditures ... 910, 912–915
Equipment:
Telephone ... 1221
Expenditures for maintenance and repair ... 1229
Fuel, utilities and public services ... 688
House furnishings ... 686
Household operations ... 688
Shelter ... 688
Farm ... 1219, 1223
Federal outlays ... 474
Financing ... 1211, 1212, 1232
Loans and mortgages ... 1211, 1232
Floor space ... 915, 1211, 1228
Gross housing products ... 1219
Homes, privately-owned, characteristics ... 1211
Houses, purchase prices ... 754
Loans and mortgages ... 790, 791, 793, 1211, 1212, 1233
Federal Housing Administration (FHA) ... 1212, 1235
Held by financial institutions ... 1232
Home mortgage loans ... 1232, 1233
Mortgages, nonfarm homes ... 1235
Veterans Administration (VA) ... 551, 792, 793
Minority races, occupants ... 1233
Mobile homes ... 915, 1213, 1214
Prices ... 1214
New privately owned homes, characteristics ... 1211, 1231
Sales ... 1212
Nonfarm:
Tenure (owner- or renter-occupied) ... 1233
Occupied units ... 1221, 1222
Financial characteristics ... 1224
Heating equipment used ... 1225, 1226
Owner-occupied ... 1221–1224
Plumbing facilities ... 1221–1230
Expenditures for maintenance and repair ... 1229
Population per unit ... 1221–1223
Price indexes ... 1199
Prices, or costs ... 1213, 1215, 1216, 1231
Homes ... 1214
Public housing, low rent units ... 1208, 1221, 1234
Expenditures, Federal and State ... 552, 553
Federal aid to State and local governments ... 436
Recent home buyers, characteristics ... 1231
Renter-occupied ... 1218, 1223, 1224, 1230
Repairs and additions ... 1229
Sales ... 1215, 1217
Senior citizens ... 1234
Structural type ... 1209, 1221, 1222, 1226, 1229, 1230
Tenure (owner- or renter-occupied) ... 692, 727
Tenure (owner- or rental-units) vacancy rates ... 727, 728, 1221
Vacancies ... 1221, 1230
Value (owner-occupied) ... 1219, 1222, 1224
Year built ... 915, 1221, 1226, 1230
Housing and urban development:
Budget authority and outlays ... 476
Employment ... 501, 502
Expenditures:
City government ... 455, 457
State and local government ... 437
State government ... 442
Federal aid to State and local governments ... 435
Government finances ... 431
Low-rent housing units ... 1234
Revenue ... 431
Housekeeping supplies expenditures ... 689
Human resources, Federal outlays as percent of GNP ... 470
Humidifiers ... 1227
Hungary. *See* Foreign countries.
Hunting and fishing ... 360, 361, 365, 374, 375
Hurricanes ... 344
Hydroelectric power ... 921
Capacity ... 930, 945
Consumed ... 904, 905, 909, 930
Production ... 904, 905, 909, 930
Hypertension ... 172, 173, 175

Digitized by Google

not in 88 ed. check Trade tables in 81 ed.

Table

I

Ice cream:
Consumption ... 184
Production ... 1116
Idaho. *See* State data.
Illegal immigration. *See* Aliens.
Illinois. *See* State data.
Illiteracy ... 1386
Illness (*see also* Deaths by cause, Disability, Disabled persons, Diseases) ... 171–173
Bed-disability days ... 166
Days lost from work, school ... 166, 205
Employee protection against income loss ... 574
Restricted activity days ... 166
Immigrants ... 8, 9, 11, 45
Adopted children ... 594
By class of admission ... 9
By country of birth ... 8, 11, 32, 45
By metropolitan area of residence ... 32
Citizenship status ... 45
Nonimmigrants ... 392, 393
Refugees ... 9, 12
Immigration ... 7
Aliens:
Border patrol activities ... 285
Criminal violations ... 284
Deported ... 285
Violations and prosecutions ... 284
Immunization of children ... 166
Implicit price deflators for GNP ... 668, 766
Imports. *See* Foreign trade.
Income (*see also* Salaries and wages):
After tax ... 695, 697
Aggregate income ... 693, 698, 701
Black population ... 690, 707
Consumer expenditures ... 364
Corporate ... 683, 848
Discretionary ... 696
Disposable personal income ... 678
Per capita ... 673
Per family in relation to life insurance ... 816
Distribution ... 683, 690, 692, 696, 698, 699, 701, 703, 704, 710
Energy expenditures ... 915
Families ... 40, 708, 1359
Aggregate income ... 701
Appliances ... 1227
Black ... 699–703, 718
By type of family ... 699–703, 704, 705
Earners ... 702
Educational attainment ... 703
Elderly ... 40, 702
Farm ... 1054
Hispanic ... 699, 702, 703, 718
Labor force participation ... 704, 706
Motor vehicle ownership ... 1006, 1007
Outlying areas ... 1361
Poverty ... 716, 719
Unrelated individuals ... 705
Farm ... 683, 1070, 1073, 1075, 1078, 1079
Gross national product ... 673
Hispanic ... 690, 707
Households ... 690–693, 698
Age ... 692, 693, 698
Black ... 691–693, 698
Educational attainment ... 692, 693
Elderly ... 692, 693, 698
Hispanic origin ... 691–693, 698
Marital status ... 692, 693
Recreation activities ... 378, 382
Tenure ... 692, 698
Loss from short-term sickness ... 574
National income ... 672, 673, 683
By sector ... 675
By type of income ... 674, 683
Originating in farming ... 1073
Per capita ... 673, 707, 708, 709
Percent distribution, percent change ... 683
Personal ... 678, 682
Current and constant dollars ... 681, 682
Outlying areas of U.S. ... 1420
Per capita ... 678, 682
Saving ... 679
States ... 681, 682
Personal consumption expenditures ... 673
Persons ... 707, 709–712, 716
Below poverty level ... 716
Poverty ... 713–716, 720
Saving ... 664

Table

Income—Continued
Stock ownership, by income level ... 811
Income tax (*see also* Taxation):
Corporate ... 430, 486, 487
Returns, by asset class ... 846
Individual ... 430, 486, 488, 490–493
Average tax by income level ... 486
States ... 493
State tax collections ... 445
Independent telephone companies ... 882
Index numbers. *See individual subjects.*
India. *See* Foreign countries.
Indiana. *See* State data.
Individual retirement accounts ... 726, 728
Coverage ... 567
Indonesia. *See* Foreign countries.
Industrial and commercial enterprises, failures ... 832, 834, 835
Industrial electronic equipment, shipments ... 1347
Industrial injuries ... 167, 664
Industrial production, indexes ... 1249
Foreign countries ... 1406
Industrial research and development ... 949, 950, 960, 963
Industrial securities ... 805, 806
Industrial work schedules ... 615
Industry. *See* Corporations *and individual industries.*
Infant deaths (*see also* Deaths and death rates) ... 81, 113–116
Cause ... 115
Inflation. *See* Prices, consumer, *and* Consumer price indexes.
Inhalants, persons using ... 180, 181
Injuries ... 167, 171, 960, 1017, 1163
Industrial ... 167, 663, 664
Transportation ... 167, 980
Inmates ... 304, 306
Jails ... 303
Installment credit, consumer ... 795
Institutional care facilities ... 153
Institutional population ... 74
Criminals ... 306
Jail inmates ... 304
Mentally ill ... 185
Mentally retarded ... 184
Prisoners ... 309, 311–314
Under sentence of death ... 311, 312
Institutions. *See* Hospitals.
Institutions of higher education. *See* Education.
Instruments and related products:
Foreign trade ... 1258–1261, 1349, 1350, 1352
Manufacture ... 1242, 1248
Employees ... 642, 1242, 1256
Earnings ... 642
Expenditures, plant and equipment, new ... 1242
Injury rates ... 664
Production indexes ... 1249
Stockholders' equity, profit rates on ... 866
Insurance as component of saving ... 664
Insurance business (*see also* Finance, insurance, and real estate *and* Social insurance):
Advertising expenditures ... 899–901
Automobile insurance ... 820
Casualty, marine, and fire insurance ... 819
Employees and earnings ... 642, 763, 764
Payroll ... 764
Establishments ... 764
Flow of funds ... 786, 788
Foreign investments in the U.S. ... 1334, 1335
Gross national product, origin in ... 782
Health and medical insurance ... 140, 141, 821, 822
Industry injury rates ... 644
Life insurance ... 814, 816, 818
Expenditures ... 888
In force ... 816, 818
Mortgage insurance ... 794
Mortgage loans ... 791
Property and liability ... 819
Property loss ... 344
U.S. securities held by insurance companies ... 770
Workers compensation payments ... 584
Insurance, Government. *See* Social insurance.
Insurance, medical care ... 129, 130, 132, 137, 138, 821
Insurance, social. *See* Social insurance.
Inter-American Development Bank ... 1338
Intercity traffic ... 979, 1012, 1016
Interest:
National income component ... 674, 675
Payments:
Federal Government ... 471
Debt ... 477
Railroad ... 1017
War loans ... 522

Digitized by Google

Table

Interest—Continued
- Receipts:
  - Corporation income tax returns ... 471
  - Individual income tax returns ... 471, 488, 492
  - National and personal income component ... 678

Internal revenue collections (*see also* Taxation) ... 487, 488, 491

Internal waterways, traffic ... 1038

International affairs:
- Balance of trade ... 1342
- Commerce ... 1342, 1344, 1345, 1369
- Consumer prices, indexes, and percent changes ... 1400, 1401
- Federal expenditures ... 471
- Foreign exchange rates ... 1417
- Foreign investments in U.S. ... 1332
- Gross national product ... 1388
- Growth rate, economic ... 669
- Indexes of industrial production ... 1406
- International transactions, U.S. ... 1328, 1329, 1331
- Receipts and payments for transportation ... 1035
- Revenue losses due to Federal tax laws ... 475
- Schools and education, expenditures ... 1386
- U.S. Government aid ... 1337, 1339, 1341
- U.S. investments ... 1329, 1336

International Bank for Reconstruction and Development ... 1338

International Development Association ... 1338

International Finance Corporation ... 1338

International investment position, U.S. ... 1330, 1336

International mail (U.S. postal) ... 873, 875, 877

Interracial marriages ... 50

Inventories (*see also* Stocks, commodity):
- Business ... 668, 671

Iron and steel industry ... 1275
- Manufacturers' ... 1241, 1248
- Retail trade ... 1307
- Strategic and critical materials ... 1161
- Wholesale trade ... 1314

Investments (*see also* Capital stock *and* Securities):
- Foreign, in U.S. ... 1329, 1330, 1332, 1334, 1335
  - Manufacturing industries ... 1254
- Life insurance companies ... 815
- Manufacturing industries ... 1246
- Nonresidential, by structure ... 850
- Private domestic, gross ... 668, 679
- Revenue losses due to Federal tax laws ... 475
- U.S. Government obligations ... 770, 778
- U.S. international ... 1329, 1330, 1336

Iowa. *See* State data.

Iran. *See* Foreign countries.

Iraq. *See* Foreign countries.

Ireland (Eire). *See* Foreign countries.

Iron:
- Ore ... 1153, 1154, 1159, 1160, 1162, 1164, 1179, 1349
  - Foreign trade ... 1162, 1179, 1349
  - Mining industry ... 1153, 1164
    - Output per hour index ... 643
  - Prices ... 747, 1159
    - Imports ... 744
  - Production ... 1154, 1160, 1179
    - World ... 1179, 1373, 1408
- Pig, production ... 1373

Iron (nutritional), available for human consumption ... 187

Iron and steel products (*see also* Metals and metal products):
- Consumption ... 1407
- Foreign countries, steel ... 1407
- Foreign trade ... 1275, 1277, 1344, 1349, 1350
- Manufacture ... 1160, 1242
  - Capital appropriations and expenditures ... 1252
  - Employees ... 642, 1242
    - Earnings ... 642
  - Expenditures for plant and equipment, new ... 853, 1242
  - Export (scrap) prices ... 744
  - Output per hour indexes ... 643
  - Production ... 1160, 1277
  - Shipments ... 1276, 1278
- Producer price indexes ... 735, 1198
- Production, U.S. as percent of world ... 1160, 1277
- World production (crude steel) ... 1373, 1407, 1408

Irons, electric ... 1297

Irrigation ... 327, 328, 505, 1063

Israel. *See* Foreign countries.

Italy. *See* Foreign countries.

Ivory Coast. *See* Foreign countries.

J

Jack mackerel ... 1139

Jails ... 302, 303

Jamaica. *See* Foreign countries.

Japan. *See* Foreign countries.

Japanese. *See* Minority groups.

Jewelry:
- Advertising expenditures ... 899
- Manufacture, employees ... 124
- Retail sales ... 309
- Retail trade summary ... 1301

Jewish population. *See* Religion.

Job Corps ... 55

Jogging ... 365

Jordan. *See* Foreign countries.

Judicial and legal ... 288

Judicial service (Federal):
- Budget outlays and authority ... 470
- Employees and payrolls ... 494, 501
- Expenditures ... 467
- Consumption ... 185

Jute and jute manufactures, foreign trade ... 1344

Juvenile correction facilities ... 743

Juvenile court, cases handled ... 309

Juvenile delinquency ... 309

K

Kansas. *See* State data.

Kentucky. *See* State data.

Kenya. *See* Foreign countries.

Keogh returns:
- Payments to ... 499

Kerosene, production ... 1151

Kiwi fruit ... 1171

Knit-goods, manufacture ... 642, 1241
- Employees and earnings ... 642

Korea. *See* Foreign countries.

Kuwait. *See* Foreign countries.

L

Laboratories, medical and dental ... 1327

Labor force employment, and earnings (*see also individual industries or occupations*):
- Aircraft industries ... 1237
- Average pay, States ... 654
- Benefits and benefit plans, group health insurance ... 1
- City government ... 467
- Civilian labor force
  - Age, race, sex ... 607–609, 611, 612
  - Displaced workers ... 627
  - Employed ... 612, 613, 626
  - Multiple jobholders ... 614
  - Not at work ... 617
  - Persons working at home ... 617
  - Projections ... 630
  - States ... 608
  - Women who gave birth in previous year ... 90
  - Worklife expectancy ... 630
  - Workers on flexible schedules ... 616
  - Work schedules ... 616
- Collective bargaining settlements ... 464, 659
- Computer services ... 1319, 1320
- Computers, employment projection in ... 630
- Construction industry ... 630, 631
- Corporations and merchandising firms ... 897
- Corrections ... 298
- Data processing services ... 630, 631, 1319, 1320
- Defense related employment ... 1
- Disabled persons ... 58
- Earnings and compensation, year-to-year change ... 644
- Earnings, wage and salary workers ... 644
- Elderly ... 608, 609, 611, 612, 622
  - Multiple jobholders ... 614
  - Union membership ... 664
- Employee benefits ... 568, 664
- Employment cost index ... 659
- Employment projections:
  - By industry ... 630
  - By occupation ... 630
- Employment status:
  - Adult education participants ... 360
  - Age, race, sex ... 611
  - Earnings by sex ... 644
  - Educational attainment ... 620
  - Female
    - Age of children ... 623
    - Marital status ... 623
  - Full-time, part-time ... 616
  - High school graduates, dropouts ... 231

Digitized by Google

Table

Labor force employment, and earnings—Continued
Employment status—Continued
Participation rates ... 608
Wives, by age of youngest child ... 625
School enrollment, persons 16 to 24 years old ... 621
States ... 610
Engineers and scientists ... 626, 627, 961, 965
Farm. *See* Farmers and farmworkers.
Farm population ... 1053, 1055
Flexible schedules ... 617
Food and fiber sector ... 1052
Foreign companies, U.S. affiliates ... 1333
Foreign countries ... 1385
Foreign-owned firms ... 1335
Governmental. *See* Government.
Health occupations ... 626, 627
Help wanted advertising ... 639
High school graduates and dropouts ... 230
Hispanic origin population ... 607, 608, 619, 629, 630, 632, 634
Multiple jobholders ... 618
Union membership ... 667
Indexes of compensation ... 644
Industry group:
Deaths on the job ... 663
Earnings ... 646
Employees ... 642, 763, 1299
Earnings ... 642
Hours ... 640
Employment projections ... 631
Injuries ... 663
Injury rates ... 664
International comparisons ... 1402, 1404
Iron and steel industry ... 1275
Job openings and placements ... 639
Judicial and legal ... 288
Manufacturing industries ... 631, 640–642, 645–648, 858
Migratory workers ... 1088
Minority races:
Schools and education ... 198, 230
Enrollment in preprimary school ... 194
Multimedia users ... 879
Multiple jobholders ... 618
Nonagricultural industries:
Employees ... 642, 763, 1299
Hours, earnings ... 640, 642, 648
States ... 641
Nonproduction workers, manufacturing industry ... 1241, 1242, 1244
Occupational groups (*see also* Occupations) ... 626–630
Earnings ... 641
Sex, race, and educational attainment ... 628
On U.S. merchant vessels ... 1047
Outlying areas of U.S. ... 1359, 1361
Participation rates ... 606, 610, 622–625
Marital status ... 622–625
Selected countries ... 1403
Sex, and States ... 610
Physicians. *See* Physicians.
Police protection ... 288, 289
Postal employees, by type ... 874
Production workers:
Earnings ... 642
Manufacturing industry ... 1241, 1242
Earnings, States ... 649
States ... 1244
Productivity ... 643, 644
Retail trade ... 1300, 1302
Kind of business ... 1301, 1302
Scientists and engineers ... 961, 962, 964
Service industries ... 1318, 1319, 1326
Shipyards ... 1046
Social insurance coverage (*see also* Social insurance) ... 559, 560, 562, 574
State and local government. *See* Government.
States ... 610, 638, 641, 649
Average pay ... 650
Civilian labor force ... 610
Nonagricultural establishments ... 641
Unemployed ... 638
Union membership ... 666
Taxes (employment) ... 471, 487
Telephone company employees ... 882
Timber-based industries, earnings ... 1121
Transportation industry ... 395, 978
Unemployed workers (*see also* Unemployment) ... 605, 607, 632–638
Age ... 611, 614
Hispanic origin population ... 607, 619
International comparisons ... 1404

Table

Labor force employment, and earnings—Continued
Unemployed workers (*see also* Unemployment)—Continued
Length of unemployment ... 647
Race ... 607, 611, 632
Reason ... 633
Sex ... 607, 610, 611, 614, 626, 632
States ... 610, 638
Union membership ... 665–667
Wholesale trade ... 1314, 1315, 1317
States ... 1317
Women in the labor force. *See* Women.
Workdays lost ... 166
Worklife expectancy ... 606
Work schedules ... 615
Work stoppages ... 662
Youth employment programs ... 557
Labor management relations ... 464, 659–661
Labor organizations ... 1320
Labor strikes ... 662
Labor unions ... 659–661, 665–667
Collective bargaining settlements ... 659–661
Membership by State ... 666
Lamb and mutton (*see also* Meat and meat products) ... 184
Lambs. *See* Sheep and lambs.
Land (*see also* Farms *and* Public lands):
Area:
Cities ... 36
Coastal ... 35
National parks ... 357–359
Outlying areas of United States ... 318
United States ... 1, 504
Farmland ... 320, 323
Irrigated ... 1063
Federal land ... 504, 505
Foreign investors ... 1333, 1335
Forest, area and ownership ... 320, 323, 1119, 1120
Ownership ... 320
Parks ... 357, 358, 362
States ... 323
Urban land area, States ... 323
Utilization ... 320, 323
Laos. *See* Foreign countries.
Larceny, larceny-theft ... 261–266, 270, 271, 274
Lard ... 184, 1094
Latex. *See* Rubber and rubber goods.
Laundry appliances ... 1297
Laundry, cleaning, and garment services:
Franchises ... 1312
Receipts ... 1321
Summary ... 1320
Law, degrees conferred ... 255–257
Law enforcement, Federal courts, and prisons:
Adults under correctional supervision ... 308
Arrests ... 276, 279
Black elected law enforcement officials ... 415
Capital punishment ... 311–314
Corrections ... 289
Courts ... 292–296
Employment ... 289
Executions ... 313, 314
Expenditures ... 289
Jails ... 302–304
Inmate characteristics ... 304
Juvenile delinquency ... 301
Payroll ... 289, 306
Police officers ... 283, 289
Assaulted, killed ... 283
Police protection ... 289
Employment ... 289
Expenditures ... 289
Payroll ... 289
Prison sentences, by offense ... 310
Prisoners under sentence of death ... 311, 312
Prisons and prisoners ... 305, 306, 309–314
Probation ... 306
Public officials, prosecutions ... 299
Wiretaps ... 287
Lawnmowers, shipments and retail value ... 1297
Lawyers ... 290, 291
Employment ... 627
Projections ... 626
Lead and zinc ores, mining industry ... 1153
Lead, summary ... 1153, 1154, 1159, 1162, 1181
Air quality ... 331–333
Foreign trade ... 1162, 1181
Mining industry ... 1153
Prices, New York and London ... 747, 1159, 1181
Production and supply ... 1154, 1181

Digitized by Google

Table

Lead, summary—Continued
Water quality ... 329
World production ... 1160, 1181, 1408
Leases, permits and licenses, public lands ... 507
Leather and leather products (*see also* Hides and leather products *and* Footwear):
Foreign trade ... 1258, 1261, 1350, 1352
Manufacture ... 1242
Employees ... 642, 1242, 1256
Earnings ... 642
Injury rates ... 664
Expenditures for plant and equipment, new ... 1242
Production indexes ... 1249
Producer price indexes ... 735
Lebanon. *See* Foreign countries.
Legal services:
Advertising expenditures ... 902
Employees ... 1299, 1320
Establishments, employees, payroll ... 1320
Projections ... 631
Gross National Product ... 1298
Receipts, revenues ... 1321
Legislative service (Federal):
Budget authority and outlays ... 476
Expenditures ... 471
Legislatures, State, composition ... 413, 414
Leisure activities. *See* Recreation.
Lemons ... 1110
Lend-lease, grants and credits ... 1337
Leprosy ... 169
Lesotho. *See* Foreign countries.
Lettuce ... 749, 1109
Consumption ... 185
Liberia. *See* Foreign countries.
Libraries ... 258–260
By type ... 259
College and university ... 245, 258
Elementary and secondary schools; media centers ... 218
Employees, city government ... 488
Grants, foundations ... 603
Patron use of computers ... 260
Libya. *See* Foreign countries.
Licensed drivers, by age groups ... 1001
Licenses, permits, etc.:
Drivers licenses, by States ... 991
Fishing and hunting ... 377
Public lands ... 507
Taxes ... 442
Life expectancy ... 106–109
Foreign countries ... 1436, 1439
States ... 108
Life insurance ... 814–818
Assets, earning rate, liabilities, etc ... 765, 767, 814, 815
Companies ... 766, 793, 814, 815
Acquisition of investments ... 815
Flow of funds ... 765–768
Mortgage loans outstanding ... 793
Ownership by households and adults ... 817
Reserves ... 765, 767, 768, 814
Life sciences ... 965, 966, 968
Degrees conferred ... 255, 257
Employment ... 961, 962
Graduate students ... 967
Light and power. *See* Electric lights, etc.
Lighting equipment, manufacture ... 1242
Lime, summary ... 747, 1154, 1177
Production and value ... 1154
Limes ... 1110
Liquefied petroleum gases ... 1171
Liquors and beverages (*see also* Malt liquors) ... 1262, 1263
Advertising expenditures ... 899–901
Alcoholic beverages ... 688, 689
Consumer expenditures ... 688–689
Foreign countries ... 1390
Consumption ... 179–181, 186
Drinking ages ... 449
Imports ... 1350
Prices ... 744
Retail sales ... 1301, 1302, 1308, 1310
Inventories ... 1307
Retail trade summary ... 1301, 1302
Revenue, State and local governments ... 431, 440, 442
Stores, Government finances ... 431, 437, 442, 455
Output per hour, index ... 643
Taxes ... 487
Wholesale trade ... 1315
Sales inventories ... 1316
Summary ... 1315
Livestock. *See* Animals, domestic, *and individual classes.*
Living cost. *See* Consumer price indexes *and* Prices.

Loans and mortgages (*see also* Debt):
Banks ... 778, 790, 791
Construction loans ...
Credit market, flow of funds ... 765, 767
Credit unions ...
Delinquency rates ...
Farm. *See* Farm mortgage loans.
Federal credit agencies ...
Federal government loans ... 482, 85
Federal Housing Administration ... 791
Finance companies ...
Foreclosure rates ...
Foreign countries ...
Held by financial institutions ... 790
Home mortgage loans ... 790, 12
Insurance companies ... 791
Interest rates ...
Land loans ...
Minority-operated small businesses ...
Mortgage companies ...
Mortgages, nonfarm homes ... 791, 793
Mortgage pools ...
Personal loans ...
Purchases and sales ...
Savings and loan institutions ... 793
Savings institutions ... 793
Veterans ... 551
Veterans Administration ...
Lobsters ... 1139, 1140
Local government. *See individual governmental units and* State and local government.
Locomotives (railroad) ...
Lodging industries, summary ... 1237,
Logging camps and contractors, earnings ...
Lotteries ...
Loudspeakers ...
Louisiana. *See* State data.
Louisiana Purchase ... 319,
Luggage, manufacture ...
Lumber and allied products:
Consumption ...
Employees ...
Earnings ...
Foreign trade ... 1122, 1126, 1133, 1258–1261, 1350,
Waterborne commerce ...
Manufacture ...
Consumption ... 1122,
Employees ... 642, 1242,
Earnings ...
Injury rates ...
Expenditures, new plant and equipment ...
Production ... 1122, 1126, 1128,
Indexes ...
World ...
Stocks ...
Prices ... 1124,
Import ...
Producer indexes ... 735, 1124,
Railroad car loadings of ...
Retail sales ... 1305,
Retail trade summary ...
Wholesale trade ... 1315,
Sales inventories ...
Summary ...

M

Macadamia nuts ...
Macao, population and area ...
Machine tools ... 1279,
Orders and shipments ...
Machinery (*see also individual classes*):
Earnings per share ...
Exports, U.S. as compared to world ...
Farm, expenditures for and number on ...
Farm input indexes ... 1085,
Foreign trade ... 1258–1261, 1344, 1348–
Manufacture ...
Capital appropriations and expenditures ...
Corporation sales, profits, and dividends ... 880,
Employees ... 642,
Earnings ...
Injury rates ...
Scientists and engineers ...
Expenditures, plant and equipment, new ...
Production indexes ...
Research and development ...
Shipments ... 1248,
Stockholders' equity, profit rates on ...

Digitized by Google

Table

Machinery—Continued
Manufacture—Continued
Wholesale trade, summary 1315, 1316
Producer price indexes 735
Sales inventories 1316
Return on equity 867
Mackerel, Pacific 1140, 1142, 1145
Madagascar. *See* Foreign countries.
Magazine advertising expenditures 897–899
Magnesium:
Consumption 1191
Prices 747
Production and value 1154, 1191
Production, U.S. as percent of world 1191
Shipments of mill products and castings 1276
World production 1160, 1191
Mail (*see also* U.S. Postal Service) 872
Mail, foreign countries (*see also* U.S. Postal Service) 1396
Mail-order houses 1301, 1302, 1305, 1307
Maine. *See* State data.
Malaria 169
Malawi. *See* Foreign countries.
Malaysia. *See* Foreign countries.
Male householder. *See* Households or families.
Mali. *See* Foreign countries.
Malignancies, new cases, survival rates, type 176
Malpractice insurance, medical 151
Malt liquors (*see also* Liquors and beverages) 1262, 1263
Consumption 186
Malta. *See* Foreign countries.
Management and public relations services 1320, 1321
Managers. *See* Proprietors, etc.
Manganese:
Foreign trade 1162, 1195
Import prices 744
Mining industry 1164
Production and value 1154, 1195
World 1408
Manmade fibers and fabrics (*see also specific items*) 1269
Manufacture, output per hour index 843
Producer price indexes 735
Manufactured products (*see also individual products*):
Exports, U.S. as compared to world 1253
Foreign trade 1343, 1344, 1348
Individual commodities 1349, 1350
Production indexes 1249
Quantity and value indexes 1343
World production 1373
Manufacturers' excise taxes 487
Manufacturing industry (*see also individual industries*) 1332, 1336
Assets, profits, etc 848, 856
Capacity utilization 1250
Capital appropriations and expenditures 1252
Capital expenditures 1241, 1242
States 1244
Capital, fixed 849
Net stocks 1246
Coincident indicators 871
Collective bargaining settlements 959, 960
Companies, capital 1251
Corporations 825, 826
Corporations, partnerships, and proprietorships 825
Depreciation 1246
Employees 630, 640, 642, 832, 1241, 1242, 1255
Compensation 645
Displaced workers 642
Earnings and comoensation, year-to-year changes 647
Earnings 640, 642, 646, 648
States 649, 1244
Hours 640
Industries 642, 1242, 1256
Injury rates 663, 664
Scientists and engineers 963
States 641, 1257
Employment cost index 655
Employment projections, industries 831
Energy consumption 918
Establishments 832
Expenditures:
Payrolls 832, 1241, 1242
Plant and equipment, new 953, 1242, 1244
Industry groups 1242
States 1244
Research and development 954, 963
Firms:
Corporate philanthropy 870
Legal form of organization 825
Merchandising sales, by group rank 859
Foreign investments in U.S 1332, 1334, 1335

Table

Manufacturing industry (*see also individual industries*)—Continued
Gross product 670
Income and receipts 825, 848
Income tax returns, by asset-size 848
Inventories 857, 1241, 1247, 1248
Investments 1336
Lagging indicators 854
Leading indicators 854
Orders and shipments 1247
Outlying areas of United States 1366, 1367, 1372
Output as related to capacity 1250
Output per hour index 843
U.S. and foreign countries 1405
Partnerships 829
Payrolls, industries 1241
States 1244
Pollution abatement 340, 343
Producer price indexes 734
Production indexes 1249
Productivity and related indexes 844
Profits 825, 863, 865
Proprietors and firm members 1241
Sales 857, 860
Securities issued 805
Shipments 1241, 1248, 1256, 1280, 1297
Solid waste disposal 334
Space vehicle systems 973
Stockholders' equity, profit rates on 865, 866
Unemployment rate 635
Value added 1241, 1242, 1244
Wages and salaries 678, 1240, 1242, 1244
Margarine 184
Marihuana, persons using 180, 181
Marine communication, private radio stations 864
Marine Corps 525, 530, 531, 534, 540
Active duty personnel and dependents 537
Personnel, desertion and AWA rates 539
Reserve costs 541
Marital status of population 46–48, 51, 52, 55, 126
Black population 126
By presence of children 62
Couples with or without own household 56
Employed persons 612
Female householder 70
Hispanic population 51
Household income 692
Householder status 55, 60
Interracial couples 50
Labor force participation rates 622
Members of Congress 410
Nonfamily householder 72
Single persons, by age and sex 49
Elderly 40
Sex and age 47
Unmarried couples 54
Women in the labor force 623, 624
Workers on flexible schedules 617
Marriage and divorce (*see also* Marital status) 126–128
Median age at first marriage 126
Outlying areas of U.S 1357, 1358
Rates 81, 126, 128
Remarriages 126, 127
States 128
Married couple. *See* Households or families.
Married persons. *See* Marital status.
Martinique, population and area 1378
Maryland. *See* State data.
Massachusetts. *See* State data.
Maternal and child health service, expenditures for 130, 553
Mathematics:
Degrees conferred 255, 257
Employment 961, 962, 965, 966
Graduate students 967
Salary offers 212, 253
Mauritania. *See* Foreign countries.
Mauritius. *See* Foreign countries.
Measles 166, 169
Meat and meat products (*see also individual meats*) 1349
Consumption 184, 1111
Federal inspection 1111
Foreign trade 1097, 1098, 1111, 1349, 1350
Manufacture 1242
Employees 642, 1242
Earnings 642
Production 1111
World and foreign 1373, 1414
Prices:
Producer price indexes 735
Retail price indexes 740

Digitized by Google

Table

Meat and meat products (*see also individual meats*)—Continued
Retail trade 1301
Medicaid:
Coverage, recipients 140, 556, 557, 579, 580
Expenditures 136, 553, 556, 578, 580
Nursing homes 162, 163, 580
Medical care (*see also* Health care *and* Health insurance):
Diagnostic services 148
Expenditures for 130–136, 139, 556
Per capita 132
Insurance benefits 130, 133, 821
Enrollment and charges 578
Expenditures for 130, 133
Price indexes, consumer 138
Medical instruments, manufacture 642, 1242
Employees and earnings 642
Price indexes 738, 740, 741
Medical research 130, 131
Medical schools:
Foreign graduates 143
Number, students, graduates 143, 256
Medical sciences, employment 826, 827
Medical services. *See* Health and medical services.
Medicare:
Benefit payments expenditures 129, 130, 131, 136, 553, 575, 576
Contributions 561, 564
Rates 563
Coverage enrollment 140, 575, 576, 578
Persons served 576
Medical research 130
Nursing homes (skilled nursing facility) 162, 163
Trust fund 561
Utilization and charges 577
Medicines. *See* Drugs and medicines.
Melons 1109
Membership organizations 1320
Membership sports and recreation clubs 1320
Members of Congress. *See* Congress, U.S.
Memorials, national 358
Menhaden 1139, 1140, 1142
Meningitis 169
Mental health 152, 155, 160, 165
Mental hospitals 74, 153
Mentally retarded 164
Merchandise. *See* Foreign trade *and* General merchandise.
Merchant vessels 1045
Employment and wage scale 1047
Foreign countries 1091
Number 903, 1043, 1049, 1051
Horsepower 903
Lost 1050
Tonnage 1044
World 1051, 1373
Merchant wholesalers 1315, 1316
Sales and inventories 857
Mergers and acquisitions 842, 843
Mercury (quicksilver) 1154, 1160, 1164
Metal mines. *See* Mining and smelting.
Metals and metal products (*see also individual metals*) 1019, 1153, 1154, 1156, 1159, 1160, 1162, 1164, 1344, 1349
Employees in mineral industries 1153, 1163
Foreign trade 1162, 1258, 1261, 1344, 1348–1350, 1352
Imports as percent of consumption 1164
Manufacture (*see also individual industries*) 1242
Corporation sales, profits, and dividends 860
Employees 642, 1242, 1256
Earnings 642
Injury rates 664
Expenditures:
Plant and equipment, new 853, 1242
Research and development 954
Stockholders' equity, profit rates on 866
Producer price indexes 735, 1198
Production and value 1152, 1154, 1160
Indexes of production 1152, 1249
World production 1160, 1373, 1407, 1408
Railroad, car loadings of 1018, 1019
Shipments of metal products 1248, 1278, 1279
Spot market price indexes 731
Wholesale prices 1159
Wholesale trade, summary 1315, 1316
Metalworking machinery:
Exports 1349
Manufacture 1242
Metropolitan areas:
Air traffic hubs 1025
Employment, government 495
Metropolitan areas—Continued
Housing prices 1216
Vacancies 1230
Year built 1228
Illness 171
Immigrants admitted 301
Land area 34
Office construction 1229
Population 30, 31, 33, 34
Price indexes 750
Residential rent, indexes 755
Mexican. *See* Hispanic origin.
Mexican War, cost 522
Mica 1154, 1160, 1164
Michigan. *See* State data.
Micro-computer use in schools 218–220
Microphones 1296
Microwave ovens 1295, 1297
Migration 24, 25
Farm 1053
States 25
Migratory workers 1088
Military aid by U.S. Government 523, 1329, 1340
Military expenditures, worldwide 517
Foreign countries 1424
Military personnel, U.S., on active duty 528
Military services, supplies (*see also* Veterans affairs) 525
Casualties 533, 534
Construction, value of buildings 1201, 1202
Discharges, by type 539
Expenditures 509, 510, 516
Reserves 541
Pay rates 538
Payroll 516, 529
Personnel 516, 528, 530–532
Foreign countries 531
National Guard 542
Retirees 529
Procurement actions 514
Sales to foreign countries 524
Selective service, inductees 535
By war 534
Milk, cream and other dairy products:
Consumption 184, 186
Expenditures, consumer 680
Prices:
Retail 749, 1116
Wholesale 1116
Producer price indexes 735
Production 1116
Sales 1116
Millinery 1242
Millionaires. *See* Wealth.
Millwork:
Employees and earnings 1121
Manufacture, summary 1242
Producer price indexes 1198
Milo. *See* Sorghum for grain.
Mineral land, public 506, 507
Minerals and mineral products (*see also* Mining and smelting *and individual minerals*):
Employees 1155, 1158
Average earnings 1158
Foreign trade 1162, 1411
Waterborne commerce 1040
Fuels, production and consumption 904
Imports as percent of consumption 1164
Industries, summary 1153, 1157
Manufacture, summary 1242
Nonmetallic minerals 1019
Production 1150, 1152, 1154, 1156, 1160
Foreign countries 1410
Indexes 1240
Value 1150, 1154, 1158
World 1160, 1408
Strategic and critical materials 1161
Value 1150
Wholesale prices 747, 1159
Producer price indexes 735
Wholesale trade sales inventories 1316
Summary 1315
Minimum wage rates 654
Mining industries:
Assets 848, 860, 1157
Corporations, partnerships, and proprietorships 825, 826, 860
Employees 630, 642, 832, 1150, 1153, 1155, 1255
Compensation 645
Earnings 640, 642, 646

Digitized by Google

Table

Mining industries—Continued
Employees—Continued
Hours 640
Injury rates 663, 664
Production workers 1150, 1242
Employment projections 631
Expenditures 832, 1150, 1153, 1157
Plant and equipment, new 853, 1150, 1153, 1157
Firms 825, 1150, 1155
Foreign countries, production 1410
Foreign investments in the U.S. 1334, 1394
Gross national product originating in 1151
Gross product 670
Income, profits, and receipts 825, 827, 864
Industrial summary 1153
Injuries 1163
Investments 1336
Output per hour 640
Partnership 829
Payrolls 832, 1153, 1155
Production and consumption 1150
Production indexes 1249
Sales 860
Shipments and value added 1150, 1153
Unemployment rate 635
Value added in mining 1150
Wages and salaries 678
Minnesota. *See* State data.
Minority groups (*see also* Black population *and* Hispanic population):
Abortions 103, 105
AIDS 170
Births and birth rates 82, 84, 86, 94, 96, 99
Businesses operated by, loans 868
Children immunized against disease 166
Cities 38
Contraceptive use 100
Deaths and death rates 109–111
Employment:
Federal, civilian 503
High school graduates and dropouts 230
Family characteristics 66
Farm population 1055
Fertility, fertility rate 82, 95–97
Firms owned:
Asian-owned 840
Black-owned 840
Hispanic-owned 840
Women-owned 840
Households, characteristics 58–60
Labor force 606
Earnings: Wage and salary workers 651
Employment:
By industry 630
By occupation 627
Occupation by sex and educational attainment 628
Union membership 667
Employment status 607
Age 611
Employed by occupation 626, 627
Unemployed, unemployment rate 605, 607, 611, 619, 621, 632, 634
Educational attainment 634
Life expectancy 106, 107, 109
Marital status 47, 51
Metropolitan areas 34
Multimedia users 879
Occupations 627, 628
Physician/dental visits 147
Population:
Age and/or sex 18
Characteristics 49
Ethnic origin 45
Institutional 74
Schools and education, enrollment 198
Attainment 201–203
College enrollment 234
Degrees conferred 968
High school graduates and dropouts 229, 230
Employed students 242
Suicides 124
Union membership 667
Worklife expectancy 606
Mississippi. *See* State data.
Mississippi River traffic 1038
Missouri. *See* State data.
Mobile homes 1214
Capital stocks 1220
Loans 796
Mobility status of population 24

Table

Molasses 1108
Molybdenum, summary 1154, 1160, 1162
Foreign trade 1162
Production and value 1154
World production 1160
Monetary system and banks, flow of funds 765, 766
Money (*see also* Banks *and* Money rates) 1419
Money market accounts, funds 726, 728, 765–768
Families using 726, 728, 765, 767, 798, 799
Money market rates 803, 804, 1419
Money orders 798
Money orders (postal) 872, 873
Money rates:
Discount, Federal Reserve Bank of New York 802
Market 803, 1419
Money supply 800
Montana. *See* State data.
Monuments, national 358
Morbidity 169
Morocco. *See* Foreign countries.
Mortgage companies:
Mortgage loans, purchases, and sales 792
Mortgage pools:
Mortgage loans purchases, and sales 792
Mortgages. *See* Loans and mortgages.
Motels, tourist courts 1321, 1322
Receipts 1321
Motion picture industry:
Employees 642, 1299
Earnings 642
Injury rates 664
Gross National Product, origin in 1298
Receipts 1321
Theaters 1320
Motor fuel 998, 1003, 1006–1009, 1166, 1167
Advertising expenditures 900–902
Consumption:
Civil aviation 1028
Motor vehicles 1003
Expenditures 688, 1006, 1007
Prices, retail 1009, 1166
Production 1166, 1167
Supply 1006
Taxes 442, 487, 988, 1009
States 988
Motor homes 995
Motor vehicles 919, 976, 979, 980, 1003, 1007, 1011, 1013, 1018, 1344, 1349
Accidents/deaths 122, 123, 980, 997–999
Foreign countries 1382
Advertising expenditures 900–902
Automobiles, factory-installed equipment 1344
Common carriers 979, 1011–1013, 1015, 1016
Dealers, franchises 1312, 1313
Drivers licenses, by States 991
Licensed drivers, by age group 1001
Farm expenditures 1086
Farms, number on 1086
Foreign trade 990, 1344, 1349, 1350
Fuel consumed 1003
Horsepower 900
Households with 1227
Insurance 819, 820
Manufacture 990, 992, 1242
Capital appropriations and expenditures 1252
Corporation sales, profits, and dividends 860, 867
Employees 642, 1242
Earnings 642
Expenditures, new plant and equipment 853, 1242
Research and development expenditures 954
Sales 990, 992
Shipments 1248, 1278
World production 1373
Motorcycles 1004
National income accounts 993
Ownership 1006, 1007
Family income 1006, 1007
Passenger outlays 976
Pollutant emissions 333
Prices:
Consumer indexes 740
Producer indexes 735
Railroad, carloadings of 1018
Recalled for safety defects 996
Recreational vehicles 995
Registrations 990–992
Repair shops, rental service, etc 1326
Advertising expenditures 902
Retail sales 992, 1301, 1302, 1305, 1307, 1308
Inventories 1307

Digitized by Google

Table

Motor vehicles—Continued
Retail trade summary ... 1301, 1302
Scrapped ... 990
Service and repair shops ... 1326
States, dealers ... 1310
Taxes ... 990
License and motor fuel ... 442
Theft ... 263, 266, 270, 271, 274
Truck sales ... 994
Trucks ... 994
Value of shipments ... 1295
Wholesale trade, summary ... 1315
Producer price indexes ... 735
Motorcycles (*see also* Bicycles) ... 991, 992, 997, 999, 1004, 1350
Accidents and deaths ... 999
Fuel consumption ... 1004
Registrations ... 1004
Mozambique. *See* Foreign countries.
Mullet, catch ... 1139, 1140
Multiunit companies (*see also* Retail trade) ... 1306
Mumps ... 168, 169
Municipal and State bonds ... 805, 807
Municipalities. *See* Cities *and* Metropolitan areas.
Murders (*see also* Homicides) ... 263–267
Circumstances and victims ... 267
Museums ... 382, 383, 384
Employees:
Grants foundations ... 602
Injury rates ... 664
Musical instruments ... 1242
Foreign trade ... 1350
Musicians, symphony orchestras ... 383
Mutton (*see also* Meat and meat products) ... 184, 1111
Mutual funds ... 767, 813

N

National Aeronautics and Space Administration ... 953
Budget authority and outlays ... 476, 971
Employment ... 501, 502, 972
Expenditures, research and development ... 948, 963
Space program ... 969–971, 1033
Space launches ... 975
National Association of Securities Dealers (NASDAQ) ... 810
National associations ... 80
National banks. *See* Banks.
National Credit Union Administration, employment ... 501, 502
National debt. *See* Debt.
National defense:
Contract awards and payrolls ... 516
Cost of American wars ... 522
Employment, defense-related industries ... 516
Expenditures, World ... 517, 1424
Federal employment and payrolls ... 462
Federal expenditures ... 509–512
Research and development ... 512
Reserve costs ... 541
Federal outlays as percent of GNP ... 470
Military forces ... 525, 531, 532, 533
Armed Forces personnel, foreign countries ... 1478
Branch of service ... 535–540
National Guard ... 542
Outlays ... 508
Procurement actions, net value ... 514
Revenue losses due to Federal tax laws ... 475
Worldwide military expenditures ... 517
National forests. *See* Forests.
National Guard ... 542
National health expenditures ... 129–131
Percent of GNP ... 129
National income ... 673–675, 1151
By sector ... 675
By type of income ... 675
Expenditures, space program ... 969
Percent distribution, percent change ... 683
National stockpile of strategic materials ... 1161
NATO, arms export market ... 520
NATO countries, military expenditures ... 517
Natural gas. *See* Gas.
Natural resources:
Governmental finances ... 431
Federal ... 471
Aid to State and local governments ... 435
State and local government ... 437
State governments ... 442, 444
Government employment and payrolls ... 462
Governmental revenue ... 431
Revenue losses due to Federal tax laws ... 475

Table

Naturalization ... 45
Nature study (recreation) ... 380
Navy ... 530, 534–536, 539–541
Active duty personnel and dependents ... 537
Navy, Department of:
Employment, civilian ... 501, 502
Military forces ... 525
Nebraska. *See* State data.
Nectarines ... 1110
Neonatal deaths (*see also* Deaths and death rates) ... 113, 114
Nepal. *See* Foreign countries.
Netherlands. *See* Foreign countries.
Netherlands Antilles (*see also* Foreign countries) ... 1345
Area and population ... 1378
Nevada. *See* State data.
New Hampshire. *See* State data.
New incorporations ... 834, 835
Industrial and commercial ... 834, 835
New Jersey. *See* State data.
New Mexico. *See* State data.
New York. *See* State data.
New York Stock Exchange ... 806, 807, 811
New Zealand. *See* Foreign countries.
News dealers, retail trade ... 1307
Newspapers and periodicals:
Advertising expenditures ... 897, 898, 902
Audience characteristics ... 387
Establishments ... 880
Expenditures, consumer ... 383
Foreign countries ... 1386
Frequency of publication ... 881
Manufacture, summary ... 1242
Employees ... 642, 890, 1242
Earnings ... 642
Payrolls ... 890
Newsprint production consumption ... 1129, 1130
Number and circulation ... 879, 882, 883
Foreign countries ... 1403
States ... 884
Reading by demographic groups ... 878
Newsprint ... 1129, 1130
Imports ... 1350
Prices ... 744
World production ... 1373
Nicaragua. *See* Foreign countries.
Nickel ... 747, 1154, 1160, 1162, 1164, 1184
Foreign trade ... 1162, 1164, 1350
Import prices ... 744
Mine production ... 1154, 1160, 1184
World ... 1409
Niger. *See* Foreign countries.
Nigeria. *See* Foreign countries.
Nitrogen (agriculture) production ... 1160
Nitrogen in ammonia, world production ... 1409
Nobel prize laureates ... 957
Nondurable goods and industries (*see also individual goods and industries*):
Consumer price indexes ... 740
Manufacture:
Employees and earnings ... 642
Employment projections ... 631
Expenditures for new plant and equipment ... 853
Gross national product, origin in ... 1240
Inventories, orders, and shipments ... 1248
Production indexes ... 1249
Stockholders' equity, profit rates ... 865, 866
Personal consumption expenditures ... 668, 670
Producer price indexes ... 734
Retail trade:
Inventories ... 1307
Sales ... 1304–1307
Wholesale trade, sales, and inventories ... 1316
Nonferrous metals and products. *See* Metals and metal products.
Nonfinancial corporations ... 861
Nonmetallic minerals (*see also individual minerals*):
Industries, summary ... 1153
Manufacture, summary ... 1242
Producer prices and indexes ... 735
Production and value ... 1154
Production indexes ... 1152
Nonresidential capital, fixed ... 849, 850
North Carolina. *See* State data.
North Dakota. *See* State data.
Norway. *See* Foreign countries.
Nuclear forces ... 526, 527
Nuclear power:
Capability ... 930, 937, 940
Commercial generation, by country ... 939
Consumption ... 904, 905, 907, 909

Digitized by Google

Table

Nuclear power—Continued
Production ... 903, 904, 921, 930, 937, 938, 940
Reactors ... 937, 938
State data ... 940
Waste discharged fuel ... 939
Nuclear Regulatory Commission ... 978
Nurseries and garden stores:
Retail trade summary ... 1302
Nurses, nursing personnel ... 143, 161
Employment ... 627
Projections ... 626
Nursing and related care facilities, characteristics ... 161–163, 1320, 1321
Nursing homes ... 131, 132, 135, 152, 161–163
Nursing programs students, and graduates ... 143
Nutrition:
Consumption of major commodities ... 184–186
Nutrients and nutritional intake ... 187, 188
Nuts (*see also* Fruits and nuts):
Consumption ... 184
Nylon yarn, export prices and distribution ... 744, 1269

O

Occupational safety and health ... 136
Occupations (*see also individual occupations*):
Disabled persons ... 658
Earnings:
By sex ... 653
Wage and salary workers ... 651
Employed, by sex, race, and educational attainment ... 628
Employment:
Hispanic ... 627
Labor union membership ... 667
Projections ... 626
Race ... 627
Sex ... 627
Foreign born population ... 45
Hispanic population ... 619
Income ... 693
Pension plan/health plan coverage ... 656
Persons working at home ... 616
Sex, and educational attainment ... 629
White-collar and blue-collar workers ... 495, 655
Work schedules ... 615, 617
Ocean perch, Atlantic ... 1139
Office and computing machines:
Manufacture: Employees and shipments ... 1290
Office appliances and supplies:
Foreign trade ... 1349, 1350
Manufacture ... 1242
Employees ... 642, 1304
Earnings ... 642
Shipments, value ... 1248
Office buildings, construction ... 1201, 1206
Offshore leases ... 1169
Ohio. *See* State data.
Oil and gas extractions:
Partnership ... 829
Oil and gas fields:
Contract services, summary ... 1153
Machinery and tools, shipments, value ... 1278
Public land, leases ... 507
Oil and gas wells. *See* Petroleum and gas wells.
Oil crops ... 1076, 1089, 1094, 1098, 1099, 1100, 1103
Oil spills ... 330, 1048
Oils:
Animal (oils and fats) ... 184, 1093, 1097
Animal and vegetable
Foreign trade ... 1094, 1097, 1349, 1350
Producer price indexes ... 735
Fish ... 1146, 1149
Fuel. *See* Fuel oils.
Lubricating ... 1349
Mineral. *See* Petroleum and products.
Spot market price indexes ... 731
Vegetable:
Export prices ... 744
Foreign trade ... 1349
Production, consumption, and stocks ... 184, 1094
Oklahoma. *See* State data.
Old-age assistance, public ... 589
Old-age pensions. *See* Pensions.
Old-age, survivors, disability, and health insurance. *See* Social insurance.
Olefin, distribution ... 1269
Olives ... 1110
Oman, population and area ... 1378
Onions, acreage, production, value, and price ... 1109

Table

Opera ... 382, 383
Operations performed, by type and sex of patient ... 157
Ophthalmologists ... 146, 150
Optical (ophthalmic) goods, manufacture, summary ... 1242
Employees ... 642, 1242
Earnings ... 642
Retail sales ... 1308
Optometrists ... 132
Offices:
Establishments, employees, payroll ... 1320
Oranges ... 1110
Consumption ... 185
Oregon. *See* State data.
Ores, crude (*see also individual ores*):
Car loadings ... 1018, 1019
Foreign trade ... 1162, 1344, 1349, 1350, 1352
Mining industry ... 1153, 1154, 1160
Production and value ... 1154, 1160
Prices ... 1159
Organizations, nonprofit ... 80
Orphans ... 595
Osteopaths (*see also* Physicians) ... 143, 144
Outdoor recreation (*see also* Amusements, Recreation *and specific forms of recreation*):
Activities ... 360, 374, 375
Outlying areas:
Accession ... 319
Agriculture, summary ... 1371
Aid by U.S. Government ... 1338
Area ... 3, 318, 319, 1357
Banks and banking ... 777, 1361
Births and deaths ... 1354, 1358
Business, summary ... 1366, 1371
Climate (Puerto Rico) ... 345–355
Commerce ... 1369
Construction industry ... 1368
Education ... 244, 1361, 1386
Attainment ... 1357
Enrollment ... 1359
Income, family ... 1359
Federal payment to individuals ... 1360
Finances ... 1363–1365
Geographic data ... 324
Government receipts and expenditures ... 1365
Government, summary ... 1370
Gross product ... 1363
Hospital facilities ... 156
Income:
Family ... 1361
Personal ... 1361
Labor force and employment ... 1359, 1361, 1362, 1366
Unemployment ... 1359, 1362
Manufactures (Puerto Rico) ... 1367
Marriage and divorce ... 1358
National forest (Puerto Rico) ... 1120
Net income ... 1364
Population and/or area ... 318, 319, 1353, 1361, 1378
Population and characteristics ... 3, 24, 1355–1357
Components of change ... 1354
Public aid ... 590
Public lands ... 259, 260
Savings institutions ... 788
Social insurance ... 566
Tourism ... 1361
Unemployment insurance ... 582
Veterans ... 643
Vital statistics ... 1354, 1358
Outpatient care facilities ... 1320, 1321
Output per hour (*see also* Productivity):
Farms ... 1089, 1090
Manufacturing industries ... 643, 644
U.S. and foreign countries ... 1405
Mining industries ... 643, 1175
Public utilities ... 643
Trade ... 643
Transportation ... 643
Oysters ... 1139, 1140, 1145

P

Pacific Islands, Trust territory of the. *See* Outlying Areas.
Paint, glass, wallpaper stores
Retail trade summary ... 1302
Paints, varnishes, etc.:
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Producer price indexes ... 735
Pakistan. *See* Foreign countries.

Digitized by Google

Table

Panama. *See* Foreign countries.
Papayas 1110
Paper and allied products:
  Employees and earnings 642, 1121
  Foreign trade 1133, 1258–1261, 1344, 1349, 1350
  Manufacture 1242
    Capital appropriations and expenditures 1252
    Consumption 1129
    Corporations, financial data 860
    Employees 642, 1242, 1256
      Earnings 642
      Injury rates 664
    Expenditures:
      Plant and equipment, new 853, 1242
    Production 1129
      Indexes 1249, 1373
    Research and development, expenditures 954
    Shipments 1248
      Accounted for by largest companies 1243
    Stockholders' equity, profit rates on 866
  Railroad car loadings 1018, 1019
  Wastepaper, utilization and recovery 1131
  Wholesale trade:
    Producer price indexes 735
    Sales, inventories 1316
    Summary 1315
Paper and pulp industry 1242, 1344
  Foreign trade 1344
  Output per hour index 643
Paperboard, wet machine board, building paper:
  Consumption 1129
  Exports 1349
  Production 1129
  Producer price indexes 735, 1124, 1198
Papua New Guinea population and area 1378
Paraguay. *See* Foreign countries.
Parks 356–359, 362
  Finances 357
  Government employment and payrolls 462
  National 356, 357
  State 362
Parolees 308
Parties, political. *See* Political parties.
Partnerships, number and financial data 823–825, 828
Passengers:
  Arrivals and departures 391
  Arriving from overseas 389
  Carrier operation, summary 1011, 1012, 1013, 1017, 1024
    Air 1017, 1023, 1024
    Rail 1017
  Outlays, by type of transport 976
  Passenger traffic, volume 979
  Railroad accidents, by type 1017
  Regional airlines 1027
  Travelers 389
Passports issued, by characteristics of travelers 388
Pastors, number with charges 77
Pastureland, acreage 320
Patents and certificates of trademarks 871
Pathologists 146
Paving and roofing materials, manufacture, summary 1242
Payrolls. *See* Salaries and wages *and individual industries.*
Peace Corps (ACTION) 1337
Peaches 1110
Pediatricians 146, 150, 151
Pediatrics 146
Peanuts:
  Consumption 184
  World production 1373
Pears 1110
Peas 1110
Peat 1154
Pecans 1110
Pennsylvania. *See* State data.
Pensions and retirement benefits (*see also* Social insurance):
  Expenditures 688
  Funds (flow of funds) 763–768
  Government employees 553, 558, 567, 570, 572
  Military 545
  Pension plans by occupation/industry 656
  Private and public plans 569
  Railroad 553, 556
  Retirement and savings plans 857
  Veterans 522, 542, 547, 553
Perch 1140, 1142, 1144
Performing arts, selected data 382, 383
Perfume. *See* Toilet preparations.
Periodicals. *See* Newspapers and periodicals.
Perlite, mine production 1154
Personal care products expenditures 689

Table

Personal consumption expenditures 363, 666, 671, 673, 676, 678, 977, 1075
  By major type of product 676
  Food and beverages, foreign countries 1390
  Transportation 977
Personal health care 131, 133, 134
Personal income 643, 678, 680, 681
  By disposition 678
  By industry 677
  Disposable income 680
Personal savings 769, 684
Personal services or care (*see also* Service industries) 1326
  Consumer price index 740
  Employment 627, 1299, 1320
    Projections 631
  Gross national product, origin in 1298
  Price increases, U.S. and foreign countries 1401
  Receipts 1321
  Summary 1319
    States 1326
Personal supply services 1320
  Receipts 1321
Personal wealth (*see also* Wealth) 723–725
Peru. *See* Foreign countries.
Pesticides:
  Production and sales 336
  Residue in human tissue 337
Pet products, advertising expenditures 900, 901
Petroleum and products:
  Consumer cooperatives 833
  Consumption 904–907, 909, 1164
    Imports as percent of consumption 1164
    States 907
  Crude oil:
    Drilling expenditures 1168
    Foreign trade 1162, 1166, 1167, 1342, 1344, 1349, 1350
    Lease revenues 1169
    Prices 747, 1159, 1166
    Production 1152, 1154, 1160, 1166, 1167, 1168, 1172
      Foreign countries 1408–1410
    Reserves 1172
    Runs to stills and stocks 1166, 1167
  Energy consumption 920
  Foreign investments in U.S 1332, 1334, 1335
  Foreign trade 922, 925, 1166, 1352
  Imports 927
  International investments 1336
  Natural gas liquids 1174
  Output of refineries (*see also* Petroleum-refining industry) 1166, 1167
  Petroleum and coal products, manufacture 1242
    Capital appropriations and expenditures 1252
    Employees 642, 1242, 1256
      Earnings 642
      Projections 631
    Expenditures, new plant and equipment 1242
    Inventories, value and quantity 1170, 1248
    National income, origin in 1151
    Production indexes 1249
    Profit and sales 926–928
    Shipments 1248
  Pipeline industry 979
  Railroad, carloadings of 1018, 1019
  Stocks 925, 1166
  Wells (*see also* Gas) 1168, 1169, 1172
    Accidents and fatalities 1163
    Drilling expenditures 1168
    Employees 1153
    Leases and production 1169
    Number and production (oil) 1165, 1172
  Wholesale trade, summary 1315
    Producer price indexes 735
Petroleum pipeline companies:
  Accidents and deaths 978–980, 1021
  Building construction, value 1201, 1202
Petroleum-refining industry 1166, 1167
  Corporations, financial data 860
  Employees and earnings 642
    Injury rates 664
  Expenditures, new plant and equipment 853
  Finances 926, 928
  Output per hour index 643
  Profits and dividends 860
  Refinery products 1166, 1167
  Research and development, expenditures 954
  Sales 860
  Stockholders' equity, profit rates on 866
Pharmaceuticals (*see also* Drugs and medicines):
  Exports 1349

Digitized by Google

Table

Pharmaceuticals—Continued
Manufacture:
Corporation assets and profits ... 860
Value of shipments ... 1248
Philanthropy ... 600–604
Corporate ... 604, 870
Expenditures, health ... 131, 133, 134
Philippines. *See* Foreign countries.
Phonograph records and tapes ... 370
Phonographs and record players ... 370, 1297
Phosphate materials:
Mining industry ... 1154, 1160, 1177
Production and value ... 1154, 1160
World ... 1408
Photographic apparatus and material:
Foreign trade ... 371, 1349, 1350
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Photography, commercial and art ... 1320, 1321
Retail trade, summary ... 1301, 1302
Physical sciences ... 966
Degrees conferred ... 255, 257, 966
Graduate students ... 967
Physicians ... 143–147
Degrees conferred ... 143, 256
Diagnostic services ... 148
Earnings ... 149, 150
Employment ... 627
Projections ... 626
Expenditures for ... 131–135, 137
Fees ... 138
Foreign medical school graduates ... 143
Malpractice insurance premiums ... 151
Medical schools, students and graduates ... 143, 256
Offices:
Establishments, employees, payroll ... 1320
Receipts ... 1321
Osteopaths ... 143, 144
Specialty and professional activity ... 144, 146
States ... 145
Type of practice ... 144
Visits to ... 147, 148
Foreign countries ... 1384
Physics ... 957
Nobel prize laureates ... 957
Salary offers ... 253
Scientists employed ... 965
Physiology, Nobel prize laureates ... 967
Pig iron. *See* Iron.
Piggyback, railroad carloads ... 1018
Pigs. *See* Hogs.
Pilchard. *See* Sardines.
Pineapples ... 1110
Pipe:
Iron and steel imports ... 1350
Production and shipments ... 1276
Pipeline companies ... 1021
Pistachios ... 1110
Pistols. *See* Firearms.
Plaster. *See* Concrete and plaster products.
Plastics products, manufacture ... 1242
Employees ... 642, 1242, 1256, 1349
Earnings ... 642
Exports and imports ... 1352
Plate glass. *See* Glass.
Plates, sheets, etc. (iron and steel), foreign trade ... 1349, 1350
Platinum-group metals ... 1159, 1162, 1164, 1192
Playgrounds ... 360
Plumbing. *See* Heating and plumbing equipment.
Plums and prunes ... 1110
Plywood:
Consumption ... 1122, 1123, 1132
Foreign trade ... 1122, 1133
Imports ... 1350
Producer price indexes ... 1124
Production ... 1122, 1132
Value ... 1132
Pneumonia, flu ... 118, 160
Poisoning, deaths from ... 125
Poland. *See* Foreign countries.
Police ... 288
Police departments. *See* Public safety.
Police officers assaulted, killed ... 283
Poliomyelitis ... 168, 169
Political action committees ... 426, 427
Political parties:
Campaign expenditures ... 424–426
Political action committees ... 426, 427
Congress, composition of ... 404, 407

Table

Political parties—Continued
Congressional and Presidential votes ... 397–403, 419
Congressional districts ... 402
Governors, by party affiliation ... 411
Senatorial primaries ... 420
State legislatures, composition of ... 412, 413
Voter registration ... 423
Votes ... 397–403
Political TV advertising ... 902
Pollard ... 1140
Pollock, Atlantic ... 1139, 1144
Pollution:
Abatement expenditures ... 339–344
Air ... 331–333, 340
Environmental ... 333
Motor vehicle emissions ... 333
Water ... 330–340
Polyester, production ... 1269
Pomegranates ... 1110
Poor persons. *See* Income and poverty.
Population (*see also* Vital statistics):
Abroad, U.S. population ... 3, 4
Age:
Black population ... 17, 20
Cities ... 38
Distribution ... 13, 18, 20, 26, 29
Elderly ... 41, 42
Hispanic population ... 19
Metropolitan areas ... 34
Outlying areas ... 1355
Projections ... 29
Race ... 18, 20
School enrollment ... 196, 198
Sex ... 13, 17, 20
States ... 26, 29
Voting-age population, votes ... 418, 419, 422
Black. *See* Black population *and* Minority races.
Center ... 5
Cities ... 37, 38
Rankings ... 38
Civilian ... 2
Coastal ... 35
Components of change ... 1, 6, 15, 25
Outlying areas ... 1354
Projections ... 15
Rankings ... 21
States ... 25
Density ... 1, 21, 35
Foreign countries ... 1373
Education. *See* Education.
Elderly ... 13, 19, 20, 26, 40, 73, 715, 716
Projections ... 15, 16, 29
States ... 29
Ethnic origin ... 45
Farm ... 1053, 1055, 1061
Fertility ... 82, 95
Foreign born ... 44, 45
Foreign countries ... 1374, 1378, 1379
Group quarters ... 74
Growth rates ... 1, 1375, 1377
Households and/or families. *See* Households or families.
Institutional ... 74
Intrinsic rate of natural increase ... 82
Labor force. *See* Labor force, employment and earnings.
Life expectancy ... 1377
Local governments ... 453
Marital status. *See* Marital status of population.
Metropolitan areas ... 30, 33, 34
Size class ... 31
States ... 33
Migration ... 25, 1053
Mobility ... 24
Nativity ... 44
Naturalizations ... 45
Nonwhite. *See* Black population *and* Minority races.
Outlying areas of U.S. ... 3, 21, 1353, 1354, 1355, 1357, 1361
Place of birth ... 44
Poverty. *See* Poverty
Projections ... 14–16, 23, 27–29
Age and sex ... 16, 29
Black ... 15, 16, 28
Components of change ... 15
Foreign countries ... 1379
Race ... 16, 28
States ... 27–29
World ... 1376
Race (*see also* Black population *and* Minority races) ... 17, 20
Regions and divisions ... 23
Resident ... 3, 23, 26, 35
Sex ... 17, 20, 1355

Digitized by Google

Table

Population—Continued
Sex—Continued
Age distribution 20
Hispanic. *See* Hispanic population.
States 21, 22, 25–29, 63
Density 21
Households 61
Projections 27–29
Rankings 21
Urban and rural 21
Voting age 418
Total, including Armed Forces overseas 2
World 1373, 1375
Pork (*see also* Meat and meat products):
Consumption and production 184, 1111, 1392
Foreign countries 1392
Foreign trade 1111
Price, retail 749
Portland cement 1154, 1177
Portugal. *See* Foreign countries.
Post Office Department. *See* U.S. Postal Service.
Postal rates 876, 877
Postal service, foreign countries 1396
Potash (potassium salts):
Mining industry 1160, 1178
Production and value 1160
World 1408
Potassium 1164
Potatoes:
Acreage, production, and value 1109
Consumption 185
Hours per unit of production 1090
Prices 749
World production 1373
Pottery:
Earnings 642
Imports 1350
Manufacture and employees 642, 1242
Poultry (*see also* Eggs):
Consumption 180, 1392
Foreign countries 1392
Hours per unit of production 1090
Farms and/or income 1076
Farm value 1083
Number on farms and raised 1114, 1115
Output and marketing indexes 1089, 1091
Poultry and other meats expenditures 689
Prices 1115
Poverty 40, 712, 713, 721
Children 713, 717
Families 713
Age of householder 719
Black 718
Educational attainment 719
Hispanic origin 718, 719, 721
Labor force participation 719
Persons 713, 717, 720
Age 715, 717, 721
Black 712, 714, 715
Children 714, 715, 717
Elderly 714, 715
Hispanic 712, 715, 717
Power (*see also* Electric light and power industry):
Electric 904, 930, 932, 934, 935
Generating plants privately owned 933
Nuclear energy capacity 937
Horsepower 803
Hydro 930
Nuclear 930, 938
Tractive effort of railroad locomotives 1017
Water 946
Power plants. *See* Electric light and power industry.
Precious metals, commodity futures trading 812
Precipitation, selected cities 350, 352
Prenatal care 86, 88
President, U.S. 397, 399, 419, 422
Campaign finances 424, 425
Price indexes 733
Fixed-weighted 733
Prices (*see also individual commodities*):
Agricultural 732
Bonds 807, 809
Books and periodicals 369
Consumer, percent change 730, 742, 1400
Dairy products 1116
Electricity 757–760
Export and import 744
Fish, by species 1142
Food 751, 752
Foreign countries 742, 1400
Prices—Continued
Gasoline and diesel fuel 754, 1213–1215
Housing 754, 1213–1215
Indexes:
Colleges and universities 754
Consumer price 742
Foreign countries 1400
Medical care 754
Residential rents 754
Selected cities 754
Exports 744
Houses, one-family 754
Imports 744
Producer price 734
Construction materials 734
Newsprint 734
Timber products 734
Public elementary and secondary schools 754
Purchasing power of the dollar 754
Railroad freight 734
Spot market price 734
Lumber and stumpage 734
Mineral products 742
Producer:
Year-to-year change, selected groups 1400
Received by farmers 1080
Crops 1080, 1100, 1102, 1104–1106
Livestock and products 1080, 1112
Stocks 807
Utilities 757–760
Price support operations, selected commodities 1082
Prime movers 938
Printing and publishing industries (*see also individual classes*) 642
Advertising expenditures 800
Books and pamphlets 368
Corporations, financial data 868
Earnings per share 868
Employees 642, 830
Earnings 642
Projections 642
Establishments 642
Industry, summary 642
Injury rates 642
Newspapers:
Number and circulation 878, 882, 884
States 884
Newspapers and periodicals 642
Advertising expenditures 642
Newsprint production/consumption 1128
Production indexes 642
Return on equity 868
Stockholders' equity, profit rates on 868
Printing machinery, foreign trade 1341
Prisoners under sentence of death 311
Prisons and prisoners 305, 306
Prison sentence by offense 313
Private household workers 629
Earnings 629
Gross national product, origin in 1209
Private schools. *See* Education.
Probation 308
Producer price indexes 735
Commodity groups 735
Construction materials 734
Foreign countries 1401
Purchasing power of the dollar 734
Productivity:
Farm input indexes 1085
Farm output 1080–1082, 1085
Mining industries 1171
Output of plant and equipment, manufacturing industries 1270
Output per hour 644, 1089, 1091
By industry 644
Manufacturing industries 1420
Professional schools. *See* Education, higher education institutions.
Profits:
Banks 823
Business enterprises 823
Corporations 674, 679, 823, 827, 862, 864, 865, 868, 1209
Projections:
Births, birth rates:
Foreign countries 1375
College enrollment 193, 279
Deaths, death rates:
Foreign countries 1375
Households or families 61
Labor force 650

Digitized by Google

Table

rojections—Continued
Labor force—Continued
Employment:
By industry ... 631
By occupation ... 626
Population ... 14–16, 23, 1379
Age ... 16
Black ... 16, 28
Components of change ... 14
Foreign countries ... 1379
Hispanic ... 15
Race ... 16, 28
Sex ... 15, 16
States ... 27–29
World ... 1376, 1377
School enrollment ... 189, 193, 197, 236
Teachers ... 197
roperty insurance ... 819
roperty tax ... 430, 431, 436, 441, 442, 455
Rates, selected cities ... 460
State and local government:
By States ... 441
Revenue ... 437, 441
State government revenue ... 442
roprietors' income ... 674, 678
roprietorships ... 823–825, 827
Compensation ... 675
Interest ... 675
Profits ... 675
rotective service workers. *See* Public safety.
rotein available for consumption ... 187
rotestants. *See* Religion.
runes and plums ... 1110
sychiatric care and institutions. *See* Mental Health.
sychiatrists ... 146, 152
sychology:
Degrees conferred ... 255, 257, 968
Employment ... 927, 961, 962, 966
Graduate students ... 967
Research, U.S. Government obligations for ... 951
sychotherapeutic drugs, nonmedical use ... 180
ublic administration. *See* Government.
ublic aid assistance ... 552, 553, 588, 590
Benefits paid ... 552, 553, 577, 589, 590
Federal aid to state and local governments ... 435, 436
Federal expenditures ... 474, 557
Health expenditures ... 129, 130, 135, 553, 556, 557, 578, 580
Recipients ... 556, 557, 588, 590
States ... 590
To families ... 588–590
ublic broadcasting stations ... 885, 886
ublic buildings, construction, value ... 1200
ublic debt. *See* Debt.
ublic domain. *See* Public lands.
ublic housing ... 436, 556, 1208, 1221, 1234
ublic lands (*see also* Forests):
Acquisition and area ... 321
Cost and usage ... 506
Disposal, summary ... 506
Forest land, area ... 1117, 1119
Homestead entries ... 506
Leases, permits, licenses ... 506, 507
National park system ... 358
Ownership ... 504, 1064
Parks ... 367
Receipts from ... 506
Recreation ... 357, 358, 361
ublic officials, prosecutions ... 299
ublic relations services ... 1320, 1321
ublic roads. *See* Highways.
ublic safety:
Communication, private radio stations ... 884
Detective and protective services ... 1320, 1321
Employees ... 288
City government ... 467–469
Detective and protective services ... 1320
Fire protection ... 462
Police protection and correction ... 465
Expenditures ... 288
City governments ... 455
State and local government ... 437
State government ... 442
Payrolls, city government ... 467–469
Fire protection ... 462
Police protection and corrections ... 462
ublic schools. *See* Education.
ublic service. *See* Service industries.
ublic utilities, transportation (*see also* Electric light and power, Railroads, etc.):
Assets or liabilities ... 848

Table

Public utilities, transportation—Continued
Construction ... 1201, 1202, 1204
Cost indexes ... 1199
Corporations, partnerships, and proprietorships ... 825
Employees ... 640–642
Compensation ... 645
Earnings ... 640, 642, 645, 646
Hours ... 640
Injury rates ... 664
Productivity indexes ... 643
States ... 641
Employment projections ... 631
Expenditures for new plant and equipment ... 853
Firms ... 825
Government finances ... 431, 437, 442
Cities ... 455–457
Government employees and payrolls:
City government ... 468
Gross product ... 670
Income and profits ... 825, 864
Local government enterprise ... 431
Output per hour index ... 643
Receipts ... 848
Securities ... 805, 807
Public welfare. *See* Welfare services.
Publishing industry. *See* Printing and publishing industries.
Puerto Ricans. *See* Hispanic origin.
Puerto Rico. *See* Outlying areas.
Pulmonary diseases ... 117–119
Pulpmills ... 1242
Pulpwood ... 1122, 1123, 1132
Pumice, production, and value ... 1154
Pumps and compressors, exports ... 1349
Purchasing power of the dollar ... 735
Purses ... 1242
Pyrites ... 1154

Q

Qatar. *See* Foreign countries.
Quarries. *See* Mining and smelting.
Quicksilver (mercury) ... 1154

R

Rabies ... 169
Racetrack operations, business summary ... 772
Radar detectors ... 1297
Radiologists ... 152
Radios ... 1296
Broadcasting:
Advertising expenditures ... 898
Employees and earnings ... 642
Stations ... 878, 889
Owned by newspapers, magazines ... 889
Private ... 884
Listening by demographic groups ... 879
Retail trade (radio and television) ... 1302
Sets:
Exports ... 1258, 1260
Foreign countries ... 1396
Households with ... 878
Manufacture:
Equipment (radio and television) ... 1242
Shipments, value (radio and related products) ... 1248, 1297
Repair (radio and television) ... 1320
Retail trade (radio and television) ... 371
Radiologists ... 146
Railroad Retirement Board ... 501, 502, 553, 558, 560
Railroads:
Accidents and fatalities ... 123, 979, 1017
Building construction, value ... 1201, 1202
Carloadings, by commodity ... 1018, 1019
Car-miles, train-miles, etc ... 1017
Communication, private radio stations ... 884
Employees ... 395, 642, 978, 1017
Earnings ... 642
Equipment in service ... 1017
Expenditures ... 853
Manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Injury rates ... 664
Shipments ... 1278
Federal outlays ... 981
Finances ... 1017
Stocks and bond prices and yields ... 805

Digitized by Google

Table

Railroads—Continued
Freight, price indexes ... 1020
Freight traffic and revenue ... 976, 979, 1017, 1019
Horsepower ... 903
Mileage owned and operated ... 1017
Output per hour index ... 643
Passenger traffic and revenue ... 1017
Piggyback ... 1018, 1019
Retirement ... 561
Wages and salaries ... 978, 1017
Railways, electric, employees and operations ... 1011
Rainfall, selected cities ... 350, 351
Ranges. *See* Stoves and ranges.
Rankings:
Cities:
Population ... 38
Residential property tax rates ... 460
Metropolitan areas:
Population ... 34
State:
Government finances ... 441, 444, 450
Population, resident ... 21
Public elementary/secondary school expenditures ... 217
Rape, forcible ... 263–266, 269, 271, 273
Raw materials. *See* Crude materials.
Rayon and related fabrics, manufacture ... 1267, 1269
Reading (*see also* Books *and* Libraries) ... 364, 367, 382
Consumer expenditures ... 364
Real estate business (*see also* Finance, insurance and real estate):
Employment ... 627, 763, 764
Payroll ... 764
Establishments ... 764
Gross national product, origin in ... 764
Industry employees and earnings ... 642
Industry injury rates ... 664
Receipts, agents, and managers ... 1321
Real estate loans (*see also* Farms) ... 778, 790, 791, 1067, 1068
Receipts (*see also individual subjects*) ... 1197
Construction industry ... 823, 825, 848
Corporation ... 827, 828
Corporations, partnerships, and proprietorships ... 1076, 1078
Farm and farm marketings ... 470, 473
Federal ... 1336
International investments ... 1005
International transportation ... 1058
Partnerships, proprietorships, and corporations ... 824, 825, 829
Revenue:
Local governments ... 217, 430, 431
City governments ... 457
State and local governments ... 430, 437, 441
State governments ... 217, 431, 442, 444, 455
Tax collections ... 445
Service industries ... 825, 1318, 1321
States ... 1326
Telephone systems ... 881
Travel industry ... 395
United States Government ... 430, 431, 471, 473
From national forests ... 1118
From public lands ... 506
Postal ... 872, 873
Sources ... 431, 471, 473, 487
Trust funds ... 473
Record changers ... 1296
Recreation (*see also* Amusements) ... 360, 374, 375, 377, 378
Activities ... 1204
Building construction, value ... 364
Consumer expenditures ... 740
Consumer price indexes ... 1385
Employees and payrolls ... 662
Employment and expenditures, government ... 455, 462, 466
City governments ... 437, 462
State and local governments ... 432, 466
Parks:
Government employees and payrolls ... 462, 466
City government ... 367, 368
National ... 356, 357, 358, 361
Visits ... 373–375, 378, 379
Participation ... 292, 293
Performing arts ... 363, 364, 380
Personal expenditures ... 1321
Receipts ... 367–391, 395
Travel ... 509
Volunteers, percent involved ... 365, 373, 995
Recreational vehicles ... 334
Recycling, waste ...
Refrigerators and refrigeration equipment:
Exports ... 1349
Manufacture ... 1297
Refugees ... 75–77, 779,
Religion ...
Catholics ...
Charitable contributions ...
Church/synagogue attendance ...
Church/synagogue members ...
Jewish population ...
Philanthropy ...
Protestants ...
Religious preference ...
Religious TV viewing by denomination ...
Religious associations ...
Volunteers, percent involved ...
Rents: 740
Indexes ...
Price increases, U.S. and foreign countries ...
Repair services. *See* Business and repair services, and Service industries.
Representatives, U.S. *See* Congress, U.S.
Research and development: 960, 963, 965,
Employment ...
Expenditures:
By country ...
Colleges and universities ... 948–951
Federal ...
National defense ... 949
Space program ... 951–953
Federal Government obligations for ... 951–953, 954
Funds for ...
By industry group ...
Laboratories, receipts ...
Reserve Officers Training Corps ...
Residential buildings. *See* Construction industry *and* Housing and housing units.
Residential capital ... 1
Restaurants. *See* Eating and drinking places.
Retail prices indexes. *See* Consumer price indexes.
Retail trade (*see also* Prices *and* Trade):
Consumer credit ...
Corporations, partnerships, and proprietorships ... 630, 642, 1296
Employees ...
Compensation ... 642
Earnings ...
Hours ...
Injury rate ...
Employment projections ... 1300,
Establishments ...
Largest companies ...
Legal form of organization ...
Firms ... 1300,
Foreign investments in the U.S. ... 1312,
Franchises ...
Gross national product, origin in ...
Inventories ...
Kind of business:
Inventories ... 1301, 1305–1
Sales ...
States ... 1301,
Summary ... 1300,
Multiunit companies ... 1366,
Outlying areas of U.S. ... 1300–1
Payrolls ... 825, 1300,
Proprietors ...
Sales ... 857, 991, 992, 1300, 1304–1308,
By merchandise lines ...
Inventory ratios ... 991, 992,
Motor vehicles ... 1300,
Per capita ...
States ...
Trucks ...
Stores. *See* Retail trade, establishments.
Retirement system: ... 474, 553, 555, 558, 570,
Benefits paid ... 558, 560, 561, 569,
Civil Service ...
Federal other than civil service ... 559,
Old-age, survivors, disability, and health insurance. *See* Social insurance.
Private and public plans ...
Railroad ... 474, 553, 558–561,
Social security trust funds ...
State and local government ... 437, 474, 553, 558, 561,
Reunion, population and area ...
Revenue receipts. *See* Receipts.
Revolvers. *See* Firearms.
Rheumatic fever ...
Rhode Island. *See* State data.
Rhodesia. *See* Foreign countries.
Rice:
Acreage and value ...
Consumption ...

Digitized by Google

Table

ce—Continued
Consumption—Continued
Foreign countries ... 1391
Foreign trade ... 1094, 1097
Prices ... 744, 1100
Production ... 1094, 1100
World ... 1373
Supply and disappearance ... 1100
vers, canals, harbors, etc.:
Commerce, domestic and foreign ... 1038
Federal expenditures for ... 1037
Length of principal rivers ... 325
ads, public. *See* Highways.
obbery ... 263–266, 270, 271
obotics, summary ... 1281
ockfish ... 1139, 1144
omania. *See* Foreign countries.
ubber and rubber goods (*see also* Tires and tubes):
Foreign trade ... 1258–1261, 1274, 1349, 1350, 1352
Manufacture ... 642, 1242
Corporations, financial data ... 860
Employees ... 642, 1242, 1256
Earnings ... 642
Injuries ... 664
Projections ... 631
Establishments ... 1242
Expenditures:
Plant and equipment, new ... 853, 1242
Research and development ... 954
Natural, reclaimed, and synthetic ... 1274
Production indexes ... 1249
Sales ... 860
Stockholders' equity, profit rates on ... 866
ubella ... 168, 169
ugs. *See* Floor coverings.
ural Electrification Administration ... 883
ural population. *See* Population.
ussia (U.S.S.R.). *See* Foreign countries.
wanda. *See* Foreign countries.

S

ablefish ... 1139
accharin consumption ... 184
Lucia Island, population and area ... 1378
lad and cooking oils, consumption ... 184
laries and wages (*see also* Income *and individual industries*):
Agriculture, forestry, fisheries ... 645, 830
College faculty ... 251
Communications industry ... 645
Construction industry ... 646, 830, 1197
Electric, gas, sanitary services ... 645
Employment covered by social insurance ... 502, 559, 560, 562, 582
family type ... 652
Finance, insurance, real estate ... 645, 646, 764, 830
Government employees ... 494, 498, 500
Federal employees ... 494, 498, 500
State and local government ... 463
Income tax returns (reported totals) ... 498, 492
Indexes ... 644
Manufacturing industries ... 645, 646, 648, 830
Earnings and compensation, year-to-year changes ... 647
Earnings, production workers:
States ... 649
Hourly compensation and earnings ... 1405
Industrial groups and industries ... 1249
Outlying areas of U.S. ... 1367
State distribution ... 1249
Military personnel ... 516, 536
Mineral industries ... 1153
Minimum wage rates ... 654
Mining ... 645, 646, 830
Municipal employees ... 467, 468
National income components ... 674
Personal income ... 678
Physicians ... 149, 152
Public school teachers ... 206, 211, 212
Public utilities ... 645, 646, 1300, 1301
Railroads ... 1017
Retail trade ... 645, 646, 830, 1300–1302
Seamen ... 1047
Service industries ... 645, 646, 830, 1318
States ... 1326
Telephone systems, employees ... 881, 882
Timber-based industries ... 1121
Transportation industry ... 645, 646, 830, 1011
Wage and salary workers, earnings ... 651

Table

Salaries and wages—Continued
Wholesale trade ... 645, 646, 830, 1314, 1315, 1317
States ... 1317
Sales (*see also individual commodities*):
Aircraft and parts ... 1032
Commodity Credit Corporation transactions ... 1081
Corporation ... 859, 860, 867
Manufacturing ... 865, 1245
Earnings per share ... 867
Farm products, value ... 1058
Franchised establishments ... 1311–1313
Hotel and motor hotel operations, index ... 1322
Manufacturing and trade ... 857
Merchandising ... 859
Postage stamps, receipts from ... 872, 873
Retail ... 1297, 1300, 1301, 1305, 1306
Farm equipment ... 1086
Per capita ... 1300, 1304
Sales-inventory ratios ... 1307
States ... 1310
Return on equity ... 867
Stocks and bonds ... 807, 808
Uranium, private industry ... 1187
Wholesale trade ... 1314–1317
States ... 1317
Salesworkers:
Employment ... 627
Unemployment ... 636
Salmon ... 1139
Canned ... 1145, 1147
Catch ... 1140, 1142
Salt, production and value ... 1154, 1408
Samoa, American. *See* Outlying areas of U.S.
Sand and gravel industry, summary ... 1153, 1154
Production and value ... 1154
Sanitation. *See* Health, etc.
Sardines ... 1145
Saudi Arabia. *See* Foreign countries.
Savings:
Credit unions ... 787
Deposits, bank ... 684, 765, 767, 788, 799, 801, 804
Gross savings, sources and uses ... 679
Personal ... 678, 679, 684
U.S. bonds ... 478, 483, 726, 728
Savings banks. *See* Banks.
Savings institutions:
Checking accounts ... 797, 798
Employees ... 764
Payroll ... 764
Establishments ... 764
Financial items ... 771, 785, 788, 791
Flow of funds ... 786–789
Mortgage debt held by ... 785, 790–793
Number of institutions ... 785
Savings accounts ... 798
States ... 788
Saw logs ... 1122, 1124
Sawtimber ... 1119
Scallops ... 1139, 1142
Scholastic Aptitude Test ... 225
School dropouts, high school ... 229, 230
Schools (*see also* Education):
Board, Black elected officials ... 415
Districts ... 452
Enrollment size ... 207
Expenditures ... 190
Lunch programs ... 557
Number ... 189, 207
Sunday or Sabbath ... 77
Scientific, engineering, and technical associations ... 80
Scientific instruments. *See* Instruments.
Scientific research. *See* Research and development.
Scientists and engineers ... 963
Degrees conferred ... 257, 966
Employment ... 827, 961, 962, 965, 966
By industrial sector ... 964
Research and development ... 955, 960
Scouts, membership and units ... 381
Scup, catch ... 1139, 1140
Sea bass ... 1139
Seafoods ... 1140, 1142, 1145
Prices ... 753
Sea trout ... 1139
Securities:
Foreign holdings ... 1330
Held by corporations ... 479, 844
Held by government corporations and credit agencies ... 480, 765
Held by insurance companies ... 814
Holdings of banks ... 479, 765, 779

Digitized by Google

Table

Securities—Continued
Holdings of individuals and businesses ... 765, 767, 768, 799, 811
Holdings of State and local governments ... 480
Interest-bearing, government ... 479, 480
New issues ... 807
Prices, sales, yields and issues ... 805, 806, 807, 809, 810
Savings of individuals ... 679, 684
State and local government ... 436
Stocks and bonds, sales ... 806
Tax-exempt, outstanding ... 480
Security dealers and exchanges ... 842, 763, 764
Employees, payroll ... 764
Establishments ... 764
Flow of funds ... 766
Gross national product, origin in ... 762
Security measures at work place ... 282
Sedatives, persons using ... 180
Seeds:
Output and marketing indexes ... 1091
Producer price indexes (hay, seeds) ... 735
Selenium ... 1164
Semiconductors:
Assets ... 1282
Expenditures ... 1282
Sales ... 1282
Shipments ... 1282
Senators, U.S ... 400
Primaries ... 420
Senegal. *See* Foreign countries.
Service industries (*see also individual services*):
Assets and liabilities ... 848
Corporations, partnerships, and proprietorships ... 825
Employees ... 630, 640, 642, 1299, 1318, 1319, 1320
Earnings, average ... 640, 642, 646
Hours ... 640
Injury rates ... 963, 964
Projections ... 631
Stales ... 641
Employment cost index ... 655
Employment projections ... 631
Establishments ... 1318–1320
Franchises ... 1312
Tax-exempt ... 1318, 1319
Firms ... 825, 1318
Gross national product, originating in ... 1298
Gross product ... 670
Income and profits ... 825, 864
Kind of business:
Summary ... 1319, 1320
Outlying areas of U.S ... 1366, 1372
Payrolls ... 1318–1320, 1326
Personal consumption expenditures ... 668, 673
Receipts ... 825, 1321
States, summary ... 1326
Unemployment and unemployment rate ... 635, 636
Warehousing ... 1014
Service occupations:
Earnings, wage and salary workers ... 651
Employment ... 627
By sex and educational attainment ... 629
Projections ... 626
Unemployment ... 636
Service stations. *See* Gasoline service stations.
Service workers. *See* Service industries *and* Service occupations.
Sewage treatment systems ... 335, 436
Foreign countries ... 1395
Sewer and water systems, construction ... 436, 1201, 1202
Shareowners, stocks ... 811
Sheep and lambs:
Farm income ... 1076
Inventory and production ... 1112
Number and value on farms ... 1113
Prices ... 1112
Shellfish:
Canned, quantity and value ... 1146
Catch, quantity and value ... 1138, 1140, 1142
Consumption ... 185
Foreign trade ... 1344
Frozen, quantity and value ... 1146
Shipbuilding, summary ... 1249
Corporation sales, profits, and dividends ... 860
Employees ... 642, 1046
Earnings ... 642
Private shipyards, summary ... 1045
Value of shipments ... 1295
Shipments:
Communications equipment ... 880
Foreign trade, by method of transport ... 1036
Shipments—Continued
Manufacturers' ... 1242, 1244, 1247
Aircraft ...
Castings ...
Iron and steel products ...
Steel products ...
Value ...
Uranium, mine ore ...
Shipping. *See* Merchant vessels *and* Tonnage.
Ships:
Merchant vessels ... 1042–1044, 1048
Lost ...
Repairs ...
Tanker casualties ...
Shoe stores:
Retail inventories ...
Retail sales ... 1305
Retail trade summary ...
Shoes. *See* Footwear.
Shoplifting ...
Shortening ...
Shrimp ...
Canned, quantity and value ...
Catch ... 1140
Imports ...
Sickness. *See* Illness.
Sierra Leone. *See* Foreign countries.
Silk (raw) and silk goods consumption, by mills ...
Silver ... 1153, 1154, 1160, 1164
Consumption ...
Foreign trade ...
Imports as percent of consumption ...
Prices ... 747
Production and value ... 1154
Production, U.S. as percent of world ...
Silverware and jewelry, manufacture ...
Employees and earnings ...
Singapore. *See* Foreign countries.
Single persons. *See* Marital status.
Skiing ... 365, 374
Skins. *See* Hides, etc.
Slaughtering and meat-packing industry. *See* Meat and meat products.
Small Business Administration, budget outlays ... 478,
Contract awards ...
Snow and ice pellets, selected cities ...
Soap:
Advertising expenditures ...
Manufacture:
Corporation sales, profits, and dividends ...
Employees and earnings ...
Output per hour index ...
Value of shipments ...
Soccer ... 377
Social insurance (*see also* Medicare, Railroads, Retirement System, Social Security):
Contributions ...
Employees:
Industry injury rates ... 559
Employment covered ...
Expenditures (public) for ... 552, 553, 555
Government insurance trust funds ...
City government finances ...
Federal receipts and expenditures ... 47
State and local receipts, expenditures ...
Individual programs:
Beneficiaries and benefits ... 558
Coverage ... 559, 562
Federal retirement insurance ... 553, 558, 559
Average annual benefits ...
Civil service ... 559–561, 57
Old-age, survivors, disability, and health insurance ...
Average payments ... 566
Beneficiaries and payments ... 553, 555, 558, 565
Children, beneficiaries and benefit payments ...
Coverage, workers and earnings ... 559, 562
Trust funds ... 482, 561
Old-age insurance taxes ...
Payroll tax rates and taxable wages ...
Protection against income loss ...
Railroad insurance ... 553, 555, 559–561
State and local public retirement insurance ... 553, 558, 570
Trust funds ... 561, 569
Unemployment insurance (Federal and State) ... 553, 559, 560, 561
Workers' compensation ... 130, 553, 555, 559, 560, 583
Social sciences. Degrees conferred ... 255

Digitized by Google

Table

Social sciences: Degrees conferred—Continued
- Employment and unemployment ... 961, 962, 965, 966
- Graduate students ... 967
- Salary offers ... 253

Social Security. *See also* Social insurance:
- Beneficiaries and payments ... 565
- Contributions, rates ... 561, 563
- Trust funds ... 561, 564

Social services:
- Establishments, employees, payroll ... 1320
- Philanthropy ... 600

Social welfare (*see also individual programs*):
- Employees: State and local government ... 485
- Expenditures:
  - City government ... 455, 457
  - Federal ... 552–555
  - Aid to State and local governments ... 435
  - Governmental ... 552–554
  - State and local government ... 437, 552–554
  - State government ... 442, 444

Social welfare associations ... 80

Sodium compounds:
- Mines (natural), production and value ... 1154

Soft drinks, consumption ... 186

Softball ... 373–375

Software ... 1297

Solar energy, collectors, manufacturers shipments ... 947

Solid waste:
- Disposal ... 334
- Expenditures for pollution abatement ... 339–343
- Recycling ... 334

Sorghum grain ... 1100
- Acreage, production and value ... 1100
- Prices ... 744, 1100
- Supply and disappearance ... 1100

Sororities ... 80

South Africa. *See* Foreign countries.

South Carolina. *See* State data.

South Dakota. *See* State data.

Soybeans:
- Acreage, production, and value ... 1093, 1094, 1100, 1103
- Exports and imports ... 1093, 1094, 1249
- Foreign trade ... 1344
- Prices ... 744, 1100, 1101
- Supply and disappearance ... 1100
- World production ... 1373

Spapper ... 1139

Space program ... 972

Space research and technology:
- Expenditures, Federal ... 471, 948, 951, 974, 1033
- Space program ... 969, 970, 1033

Space shuttle ... 971, 974

Space vehicles ... 973

Spain. *See* Foreign countries.

Spanish-American War, cost ... 522

Sporting and athletic goods:
- Foreign trade ... 1350
- Manufacture ... 1242
- Retail sales ... 1301, 1308
- Retail trade summary ... 1302
- Wholesale trade, summary ... 1315

Sports ... 360, 373–375, 1321

Sports associations ... 80

Spot market price index ... 731

Squid ... 1139, 1145

Sri Lanka. *See* Foreign countries.

Stampings (metal) manufacture:
- Employees and earnings ... 642

Stamps, postage, receipts from ... 872, 873

Standard metropolitan statistical areas. *See* Metropolitan areas.

State and local governments, combined data (*see also individual governmental units*):

Cities:
- Taxes paid by family, income level ... 459

Collective bargaining agreements ... 664

Debt ... 437, 439, 480, 989
- Highways ... 989

Employees ... 463–466
- Average salaries ... 463

Employees and payrolls ... 214, 461, 462, 465

Expenditures (*see also* Finances) ... 431, 433
- By type ... 431
- Capital outlay ... 432
- Finances ... 439
- Hospitals and medical care ... 135, 155
- Schools ... 191
- Social insurance, etc ... 552, 553

Federal grants and aid to ... 342, 434, 436, 472, 476
- By function ... 435

Finances ... 430, 431, 441, 457
- Intergovernmental ... 435, 437, 560

Table

State and local governments, combined data—Continued
- Flow of funds ... 765–769
- Forest land ... 1119
- Hospital data ... 159
- Hospitals ... 155
- Local governmental units ... 452
- National income, origin in ... 671
- Number of units ... 429
- Outlying areas of U.S ... 1370
- Purchases of goods and services ... 666, 671
- Receipts ... 433
- Retirement systems ... 553, 558, 560, 561, 569, 570, 573, 768
  - By source ... 431
  - From alcoholic beverages ... 440
- Securities issued ... 436
- U.S. securities held by ... 480, 770
- Women holding public office ... 417

State data (for individual States):
- Abortions ... 104
- Aid to families with dependent children ... 590
- AIDS ... 170
- Altitudes ... 324
- Animals, domestic, number ... 1113
- Appropriations for arts agencies ... 368
- Area ... 318, 326
- Banks, assets and liabilities ... 777
- Births and birth rates ... 25, 84, 85
  - Birth weight ... 89
  - Births to single or unmarried women ... 89
- Black elected officials ... 515
- Building permits ... 1207
- Business failures and liabilities ... 834–836
- Civilian labor force, by sex ... 610
- Climate ... 345–355
- Coal and coke production ... 1175
- Congress, U.S., composition ... 407
- Construction contracts ... 1205
- Copper, mine production ... 1182
- Correctional facilities ... 307
- Corrections ... 289
- Crime rates ... 265
- Crops, principal ... 1092, 1099, 1102–1106, 1109, 1110
  - Fruits and nuts ... 1110
- Deaths and death rates ... 25, 112, 116, 119
  - Infant ... 116
- Defense contracts ... 516
- Dentists ... 145
- Disposable personal income ... 680
- Domestic travel expenditures ... 396
- Drivers licenses ... 991
- Earnings, production workers ... 649
- Education. *See* State data, Schools and education.
- Elections ... 398–401, 407, 412, 413, 420, 422
  - Representatives, U.S., vote cast ... 403
  - Voter registration ... 1423
- Electric bills ... 759
- Electric power ... 932, 934, 940
- Elevations ... 324
- Employment:
  - Average pay ... 650
  - Government ... 465, 466
  - Manufacturing ... 1244, 1257
  - Nonagricultural establishments ... 641
  - Sex and State ... 610
  - State and local government (combined data) ... 465
- Energy consumption ... 907
- Energy expenditures ... 911
- Executions ... 314
- Farms ... 1057, 1058, 1063
  - Foreign trade ... 1096
  - Income ... 1078, 1079
  - Income/debt ratio ... 1079
  - Irrigated farmland ... 1063
  - Real estate, value per acre ... 1066
  - Value, farms and products sold ... 1058
- Fisheries ... 1140
- Foreign trade, agricultural products ... 1096
- Fuel production ... 1172
- Gas utility industry ... 943
- Government finances:
  - Federal aid to State and local governments ... 436
  - Federal (income tax collections) ... 493
  - Income tax rates ... 446
  - Revenue from alcoholic beverages ... 440
  - State and local government ... 441
  - State government ... 443, 444
  - Tax collections ... 445
- Governors, vote cast ... 412, 420
- Highway trust fund ... 987
- Hispanic elected officials ... 416

Digitized by Google

Table

State data (for individual States)—Continued
Hospital:
Average daily room charge ... 158
Cost per patient ... 159
Facilities ... 156
Households or families ... 61
Housing units ... 1198, 1222
Sold ... 1217
Started ... 1210
Income ... 713
Family ... 708
Per capita ... 682, 708
Individual income tax ... 446
Insurance business ... 578, 818
Jails ... 302
Labor union memberships ... 666
Land ... 322, 323
Land and buildings, Federal ... 504
Lawyers ... 291
Lead, mine production ... 1181
Legislatures, composition ... 413, 414
Life expectancy ... 106
Local governmental units ... 452
Lotteries, revenue from ... 447
Manufactures, summary statistics ... 1244
Marriage and divorce ... 128
Medicaid payments and recipients ... 578
Metropolitan area population ... 33
Migration ... 25
Mineral production and value ... 1154–1156
Motor-fuel tax ... 988
Motor-vehicle accident fatalities ... 998
Motor-vehicle registrations ... 991
National forests ... 1120
Newspapers, number and circulation ... 894
Parks ... 362
Physicians, dentists, and nurses ... 145
Police protection ... 289
Population ... 21, 26, 28, 29, 33
Age distribution ... 26, 29
Components of change ... 25
Density ... 21
Metropolitan areas ... 33
Projections ... 27–29
Rankings ... 21
Poultry and eggs ... 1114
Poverty ... 746
President, vote cast ... 398, 399
Primaries, elections ... 420
Public aid ... 580
Recreational areas ... 362
Refugees ... 12
Representatives, U.S., vote cast ... 401
Retail trade, sales ... 1310
Revenue, local governments ... 451
Roads and highways ... 983, 986, 987
Savings and loan institutions ... 771, 788
Schools and education:
Elementary/secondary teachers, public ... 211
Enrollment:
Elementary and secondary ... 199, 208
Higher education ... 199, 244
Finances:
Elementary and secondary, public ... 217
Higher education, public ... 247
High school graduates, public ... 228
Schools ... 200, 244
Senators, vote cast ... 400, 420
Service industries, summary ... 1326
Small business ... 541
Social insurance ... 566, 578
Supplemental Security Income ... 590
Taxation ... 441, 444–446, 493
Unemployment ... 610, 638
Unemployment insurance ... 581
Veterans, number and expenditures ... 543
Voter registration ... 421, 423
Voter turnout ... 422, 423
Votes cast ... 398, 401, 412, 419, 420, 422, 423
Voting age population ... 422
Wholesale trade, summary ... 1317
Wine consumption ... 196
Women holding public office ... 417
Workers' compensation payments ... 584
Year of admission to Statehood ... 318
Zinc production ... 1188
State government (*see also* State and local governments):
Debt ... 444
Debt, public highways ... 969
Drinking ages ... 449
Employees and payrolls ... 461, 462

Table

State government—Continued
Finances ... 440, 443, 444
Income tax rates ... 446
Revenue from lotteries ... 447
Severence taxes ... 448
Tax collections ... 445, 447, 448
Highway funds, disbursements of ... 996
Park systems ... 362
Payments for public assistance ... 589
Receipts, highways ... 985
Taxes ... 444, 446
Individual income, tax rates ... 446
Severance taxes ... 448
Unemployment insurance ... 558, 580
State highways. *See* Highways.
State park systems ... 362
Statehood, admission to ... 318
Stationery and book stores ... 1301
Steam engines and turbines, electric:
Locomotive (railroads) ... 1017
Shipments, value ... 1248
Steel. *See* Iron and steel products.
Steel works and rolling mills (*see also* Iron and steel) ... 1242
Stereo phones ... 1296
Sterility ... 87
Stimulants, persons using ... 180
Stock exchanges:
Money market rates on call loans ... 803
Prices and volume of trading ... 807, 808
Securities listed on, and sales ... 806, 807, 810
Stockholders, characteristics of ... 811
Stockholders' equity, profit rates on ... 779
Stockpiles, government:
Rubber deliveries from ... 1274
Strategic and critical materials ... 1161
Stocks:
Corporate, flow of funds ... 765, 767, 768
Life insurance companies ... 814
Ownership ... 726, 728, 811
Prices, yield, sales, issues, etc ... 805, 806, 810, 812
Wealthholders ... 725
Stone industries ... 1153, 1154
Production and value ... 1154
Production indexes ... 1153
Stone, clay, and glass products industry ... 1018, 1019, 1242
Employees ... 842, 1242, 1256
Earnings ... 842
Injury rates ... 664
Expenditures:
Plant and equipment, new ... 853, 1242
Research and development ... 954
Imports, exports ... 1258–1261, 1352
Production indexes ... 1152, 1249
Railroad car loadings of commodities ... 1019
Stockholders' equity, profit rates on ... 866
Stoves and ranges ... 1227, 1297, 1393
Strategic and critical materials, summary ... 1161
Strawberries, acreage, production, and value ... 1109
Streptococcal sore throat and scarlet fever ... 169
Stroke. *See* Cerebrovascular diseases.
Strontium ... 1164
Structural iron and steel ... 735, 744
Structural metal works (*see also* Iron and steel) ... 1242
Students. *See* Education, enrollment.
Subways and elevated railways ... 1011
Sudan. *See* Foreign countries.
Sugar
Consumption ... 184, 1107
Foreign trade ... 1350
Prices:
Imports ... 744
Producer indexes ... 735
Production ... 1107, 1108
World ... 1373
Quota charges and supply ... 1107
Refining and manufacture ... 1242
Employees and earnings ... 842
Output per hour index ... 842
Sugar crops ... 1091, 1108
Sugarcane acreage, production, value, and price ... 1108
Suicides ... 118, 1382, 1383
Sulfur ... 747, 1154, 1159, 1160, 1164
Production and value ... 1154
World ... 1408
Production, U.S. as percent of world ... 1160
Wholesale prices ... 1159
Sunday or Sabbath schools ... 77
Supplemental Security Income ... 553, 555, 557, 588
States ... 590
Supreme Court, U.S ... 292

Digitized by Google

Table

urgeons ... 146, 151, 152
urgery performed, by type, and sex of patient ... 157
uriname. *See* Foreign countries.
waziland. *See* Foreign countries.
weden. *See* Foreign countries.
weet potatoes, consumption ... 185
wimming and swimming pools ... 360, 374, 375
wine. *See* Hogs.
witzerland. *See* Foreign countries.
wordfish, imports ... 1139
ymphony orchestras ... 383, 384
ynagogues. *See* Religion.
yria. *See* Foreign countries.

T

aiwan (Republic of China). *See* Foreign countries.
alc, pyrophyllite, and soapstone ... 1154
allow and grease (animal) ... 1349
angelos ... 1110
annenes, summary ... 1242
antalum ... 1164
anzania. *See* Foreign countries.
ape recorders, players ... 1296
ariff. *See* Customs receipts.
axation (*see also* Customs receipts):
  Excise taxes ... 445
  Farm property ... 1074
  Governmental revenue, by type of tax ... 430
  Individual income tax rates, States ... 448
  Motor-fuel taxes and motor-vehicle fees ... 487, 988
  National (internal revenue) ... 430, 487
    Adjusted gross income ... 489
    By type of tax ... 430
    Collections by source ... 487
    Corporation income tax:
      Federal budget receipts ... 471
      Internal revenue collections ... 486, 487
      Tax liabilities ... 846, 862
      Tax returns filed ... 486, 491, 846
    Employment taxes ... 471, 486, 487
    Estate and gift taxes ... 471, 486, 487
    Excise taxes ... 471, 486, 487
    Individual income tax ... 471, 486–488, 490–493
      Average tax by income level ... 489
      Household, income by type of tax ... 696
      Rates ... 491
      Revenue, by type of tax ... 431
  Property tax:
    City government ... 455
    Household income by type of tax ... 696
    Household paying ... 696, 1224
    Rates, selected cities ... 460
    State and local government ... 431, 437
  Railroads ... 1017
  Revenue losses due to Federal tax laws ... 475
  State and local government:
    By household income ... 459
    By type of tax ... 430, 431, 437, 442
    City government ... 455–458, 460
    State government ... 442, 444–446, 696
axes, personal expenditures ... 688
ax-exempt securities outstanding ... 480
ax receipts by country ... 1396
ea:
  Consumption ... 186
  Foreign trade ... 1350
    Prices ... 744
eachers:
  Catholic schools ... 223, 224
  College faculty tenure ... 252
  Competency tests ... 210
  Employment ... 197, 627
    Projections ... 197, 628
  Experience and degrees held ... 210
  Higher education institutions ... 235
    Salaries ... 251
    Tenure status ... 252
  Number, degees conferred ... 255, 257
  Private schools ... 224
  Public schools ... 206, 210, 211
    Age, race, sex ... 210
    Competency tests ... 210
    Inservice training ... 210
    Number ... 197, 206, 211
    Salaries ... 206, 211, 212
  States ... 211
Technicians:
  Employed, number ... 627, 989
Telecommunications ... 1287

Table

Telegraph and telephone systems:
  Consumer cooperative (telephone) ... 833
  Dividends ... 881
  Employees ... 627, 881, 882
    Telephone operators ... 627
  Financial data ... 881, 882
  Overseas systems and rates ... 881
  Rural Electrification Administration ... 883
Telephone communication:
  Employees and earnings ... 642
Telephones (*see also* Telegraph, etc.):
  Access lines ... 882
  Calls ... 881, 882
  Cellular, cordless ... 1297
  Households with ... 879
  Number ... 881, 882
    Foreign countries ... 1396
  Retail sales ... 371
Teletypewriter (TWX) ... 881
Television (*see also* Radio):
  Broadcasting:
    Advertising expenditures ... 897–902
    Employees and earnings ... 642
    Public broadcasting stations ... 885, 886
  Cable TV:
    Advertising expenditures ... 898
    Pay TV, summary ... 888
    Systems and subscribers ... 878, 887, 888
  Consumer expenditures ... 364, 971
  Religious television viewing ... 78
  Retail trade (radio and television) ... 1320
  Sets:
    Foreign countries ... 1396
    Households with ... 878, 1227, 1393
    Manufacture:
      Shipments and retail value ... 1297
      Repair (radio and television) ... 1320
  Stations ... 879
    Owned by newspapers/magazines ... 889
    Viewing by demographic groups ... 879
Temperature, selected cities ... 345–349, 358
Temples (fruit) ... 1110
Temporary help supply services ... 1321
Tennessee. *See* State data.
Tennessee Valley Authority, employment ... 501, 502
Tennis ... 367, 373–375
Tenure. *See* Housing and housing units *and* Farms.
Territorial accessions of the U.S ... 319
Texas. *See* State data.
Textile industry ... 1304, 1344, 1349
  Corporations, financial data ... 860
  Employees ... 642, 1304, 1316
    Earnings ... 642
    Injury rates ... 664
  Expenditures, plant and equipment, new ... 853, 1242
  Fiber (manmade) distribution ... 1269
  Foreign trade ... 1258–1261, 1270, 1344, 1349, 1352
  Prices and indexes ... 731, 735
  Production indexes ... 1249
  Stockholders' equity, profit rates on ... 866
Textile machinery ... 1349
Thailand. *See* Foreign countries.
Theaters ... 383
  Attendance and receipts ... 373
  Business support ... 384
  Motion pictures summary ... 1320
  Personal expenditures ... 383
Theft. *See* Crime and criminals.
  Employment ... 627
Thread. *See* Yarn, thread, etc.
Timber (*see also* Lumber and allied products):
  Consumption ... 1122, 1123
  Employees and earnings ... 1121
  Foreign trade ... 1122, 1133
  Prices ... 1124, 1125
  Production ... 1122
  Receipts from sales ... 506
  Removed from national forests ... 1118
  Roundwood products ... 1122
  Volume, growth and cut ... 1119
  World production (roundwood) ... 1373
Tin ... 1154, 1156, 1159, 1162, 1164, 1165
  Foreign trade ... 1162, 1185, 1350
  Prices
    Imports (tin, bars, blocks, pigs) ... 744
    Wholesale ... 747, 1159, 1185
  Production ... 1154, 1160, 1185
    U.S. as percent of world ... 1160
    Value ... 1154
    World ... 1408

Digitized by Google

Table

Tinware, manufacture 1242
Tires and tubes 990, 996
  Manufacture 1242
    Employees 642, 1242
      Earnings 642
    Output per hour index 643
  Recalled for safety defects 996
  Wholesale trade (tire, battery, accessories):
    Producer price indexes 735
Titanium concentrates 1154, 1160, 1193
Titanium ores 1153, 1164, 1193
Tobacco and products:
  Acreage, production, and value 1093, 1094, 1100, 1106
    Output and marketing indexes 1089, 1091
  Advertising expenditures 900, 901
  Consumer expenditures 689
  Consumption per person 1266
  Farm income 1078
  Farm labor required, man-hours 1090
  Foreign trade 1095, 1098, 1258–1261, 1344, 1348, 1349, 1352
  Manufacture 1242, 1248, 1265
    Corporations, financial data 860
    Employees 642, 1242, 1256
      Earnings 642
      Injury rates 664
      Projections 631
    Expenditures for plant and equipment, new 853, 1242
    Output per hour index 643
    Production 1266
      Indexes 1249
    Stockholders' equity, profit rates on 866
    Summary 1265
  Prices:
    Export 744
    Farm 1106
    Producer price indexes 735
  Retail sales 1301, 1308
  Retail trade summary 1301
  Supply and disappearance 1100
  Taxes 442, 487
  World production 1373
Togo. *See* Foreign countries.
Toiletries, advertising expenditures 899–901
Tomatoes 749, 1109
  Consumption 185
Tonnage, vessels:
  Entered and cleared in foreign trade 1041, 1042
  Merchant 1043, 1044, 1049
  Ships and tonnage lost 1050
  Waterborne foreign commerce 1039
Tools. *See* Cutlery, etc., *and* Machine tools.
Tornadoes 344
Tourism, foreign (*see also* Travel) 4, 389, 392
  Outlying areas 1361
Townships and special districts 429, 452
Toxic shock syndrome 169
Toys. *See* Games, toys, etc.
Tractors:
  Foreign trade 1344, 1349, 1350
  Horsepower 1086
  Number on farms 1086
Trade (business) (*see also* Commerce, Foreign trade, Retail trade, *and* Wholesale trade):
  Assets or liabilities 859, 860
  Corporations, partnerships, and proprietorships 825
  Employees 640, 642, 1255, 1299
    Earnings 642
    Hours 640
    Injury rates 663, 664
    States 642
  Establishments 825, 859, 860
  Gross national product, origin in 1298
  Gross product, current and constant dollars 670
  Income and profits 825, 859, 860, 864
  International investments 1336
  Merchandising firms, summary 1316
  Output per hour index 643
  Sales 860, 1316
  Wages and salaries 678
Trade, business, and commercial associations 1314
  Employees 631
Trademarks 864
Traffic deaths 997
Trailers (campers) 995
Tranquilizers 180
Transit industry, summary 976, 1011, 1013
  Wages and salaries 1011
Transportation (*see also individual carriers*):
  Accidents 980, 1024, 1026
Transportation—Continued
  Consumer price indexes 738
    Foreign countries 1
  Energy consumption 907, 909
  Energy 910
    Gasoline and motor oil 1006
  Federal aid to State and local governments 1
  Federal outlays 951, 976
  Foreign countries, receipts and payments 1
  Freight 1
  Household, by purpose and means 1005–1
  Land, private radio stations 1
  Outlays, by type of transport 1
  Personal consumption expenditures 1
  Volume of travel 1
Transportation and public utilities:
  Partnerships 1
Transportation, Department of 478
Transportation equipment:
  Arrangement and passenger 1
  Exports, U.S. as compared to world 1
  Foreign trade 1258–1261, 1342, 1349, 1350 1
  Manufacture 1
    Employees 642, 1242 1
      Earnings 1
      Injury rates 1
      Scientists and engineers 1
    Expenditures, plant and equipment, new 853 1
    Production indexes 1
  Producer price indexes 1
  Railroad carloadings 1
  Value of shipments 1248 1
Transportation industry (*see also individual industries*):
  Assets or liabilities 1
  Carriers of passengers 392, 979, 1011–1013, 1024 1
    1
  Carriers of property 979, 1015, 1016, 1
  Corporations, partnerships, and proprietorships 1
  Employees 630, 640–642, 832, 978, 1024, 1030, 1
    Earnings, average 640, 642, 648, 1
    Hours and earnings 640, 1
    Injuries 663, 1
    States 1
    Type of transport 1
  Employment projections 1
  Establishments 1
  Expenditures for plant and equipment, new 1
  Firms 1
  Gross product 1
  Income and profits 825, 1
  Multinational companies 1
  Output per hour index 1
  Payroll 830, 1
  Unemployment and unemployment rate 1
Transceivers 1
Travel:
  Advertising expenditures 1
  Air carriers 388, 1
  Domestic expenditures by State 1
  Foreign 387, 388, 1
  Means of transport 390, 394, 395, 1
  Mileage:
    Air carriers 1
    Highway, by type of road 982, 1
    Motor vehicle 1
    Volume 1000, 1
  Nonimmigrants 1
  Passengers 387, 388, 390, 1024, 1
  Passports issued 1
  Recreation 390, 394, 1
  Tourists 387, 388, 1
  Volume 970, 1
Treasury bonds outstanding 1
  Sales, prices, and yields 805, 1
Treasury Department, budget outlays 1
Trinidad and Tobago. *See* Foreign countries.
Tripoli, mine production 1
Trips. *See* Travel.
Trucks:
  Accidents/deaths 122, 123, 1
  Employees 1
  Exports 1
  Factory sales (trucks and buses) 980, 1
  Foreign trade 1
  Leasing and rental 1
  Motor-fuel consumption 1
  Number on farms 1
  Pick-ups 1
  Production 1
  Registration (trucks and buses) 981, 1

Digitized by Google

Table

ucks—Continued
Sales 994
Scrapped (trucks and buses) 990
Travel and speed 1002
Vans 994
ust funds, U.S. Government 471, 473
ust Territory of the Pacific Islands. *See* Outlying areas.
berculosis 169
Hospitals 147
na 1139
Canned, quantity and value 1145
Catch 1140, 1142
Imports 1149
Supply 1147
ners 1297
ngsten 747, 1154, 1160, 1162, 1164, 1186
Consumption and sources of supply 1186
Imports 1162, 1186
Production and value, ore 1154
Production, U.S. as percent of world 1160
nisia. *See* Foreign countries.
rbines. *See* Steam engines.
rkey. *See* Foreign countries.
rkeys. *See* Poultry.
rntables 1296

U

ganda. *See* Foreign countries.
employment:
Age 611, 614, 632
By industry and occupation 636
By sex and reason 633
By years of school completed 620
High school graduates, and dropouts 230
Hispanic origin population 607, 619, 622
International comparisons 1404
Outlying areas 1362
Persons, 16–24 years old 621
Race 607, 611, 620, 621, 632, 634
Rate, by educational attainment, race and sex 634
By industry and sex 635
Sex 607, 610, 611, 614, 632, 634
States 610, 636
Trust funds 473
employment insurance:
Claims and benefits payments 556, 558, 581, 582
Employees and payrolls covered 560, 581
Governmental finances 437
Veterans 558
incorporated enterprises, flow of funds 765
ions. *See* Labor unions.
ited Kingdom. *See* Foreign countries.
ited States Government. *See* Government.
ited States Postal Service 872
Employees, by pay category 503
Employment and payrolls 482, 501, 502
States 497
Type of job 874
Expenditures 471, 872
Money order business 872, 873
Post offices, number 872
Postal rates 876, 877
Revenues 471, 872, 873
Volume of business 872, 875
ited States securities (*see also* Debt):
Held by banks 479, 768, 778
Held by corporations 479, 766, 844
Held by Government corporations, credit agencies, etc 480
Holdings by households 767
Interest-bearing 478–480
Prices, sales, and yields 805, 807
Taxable yields 803
iversities. *See* Education, higher education institutions.
anium 1154, 1160, 1187
Ores 1154
Oxide 1160
Production 939
ban population. *See* Population.
ban renewal. *See* Housing and urban development.
guay. *See* Foreign countries.
ah. *See* State data.
ities (*see also* Gas utility industry *and* Electric light and power industry):
Advertising expenditures 902
Electric supply systems and generating plants, States 932
Heating fuel, homes 1226
Retail prices 757, 760

Table

V

Vacuum cleaners, manufacture 1297
Value added by manufacture:
All industries 1242
Outlying areas 1367
States 1244
Value added in mining 1155
Vanadium 1154, 1160, 1164
Variety stores, summary and sales 1301, 1305–1307
Varnishes and paints. *See* Paints, varnishes, etc.
Veal (*see also* Beef *and* Meat and meat products) 184, 1111
Vegetable oils. *See* Oils.
Vegetables (*see also* Fruits and vegetables *and individual commodities*):
Acreage, production, and value 1109
Output and marketing indexes 1089, 1091
Consumption 184, 185
Farms and/or income 1076
Foreign trade 1091, 1098, 1344, 1349, 1350
Gardens 375, 376
Vehicles. *See* Motor vehicles, Tractors, etc.
Venereal diseases 169
Venezuela. *See* Foreign countries.
Vermiculite, mine production 1154
Vermont. *See* State data.
Vessels. *See* Ships.
Veterans Administration:
Budget outlays and authority 476
Employment 497, 501, 502
Expenditures 130, 546–548
Hospital medical care 130
Home loans 791, 793, 794
Land and buildings 504
Medical centers 549
Veterans affairs:
Federal aid 474
Health care coverage 140
Pensions and other benefits:
Cost of American wars 522
Disability, service-connected 545
Disbursements 506, 547, 548, 552, 553
Education and training 550
Expenditures 546
Federal aid to State and local governments 475
Health expenditures 130, 135, 136, 557
Hospital or domiciliary care 549
Veterans or dependents receiving 549
Life insurance funds 471, 473
Loans guaranteed and insured 551
Pensioners on rolls, by wars 548
Social insurance, income security 555, 574
Unemployment allowances 558
Veterans or dependents receiving 545, 548, 550, 551, 555
Revenue losses due to Federal tax laws 475
Veterans in civil life 543, 544
Vetoed bills, Congressional 406
Videocassette recorders 371, 1299, 1297
Households with 878
Videotape 1297
Vietnam. *See* Foreign countries.
Vietnam conflict 522
Military personnel 533
Desertion and AWA rates 539
Violent crime 263–266
Aggravated assault 263–266
Murder 263–266
Rape, forcible 263–266, 269
Robbery 263–266
Virgin Islands. *See* Outlying areas.
Virginia. *See* State data.
Visual impairment 172, 175
Vital statistics (*see also* Births *and* Deaths):
Average weights and heights 183
Fertility and fertility rate 82, 96, 97
Foreign countries 1380
Life expectancy 106, 109
Life tables 106, 109
Marriage and divorce 81, 126–128
States 128
Morbidity 169
Outlying areas 1354, 1358
Rates, summary 81
World 1373
Vitamins 187, 188
Vocational education 550
Federal aid to State and local governments 435
Veterans 550

Digitized by Google

Table

Vocational rehabilitation ... 553, 567
Medical ... 130
Service industry revenues ... 1321
Volleyball ... 374, 375
Volunteer workers ... 599
Voter registration ... 421, 423
Votes:
Congressional ... 400–403, 409
Senatorial primaries ... 420
Gubernatorial ... 412, 420
Presidential ... 419
Voting-age population ... 418, 419, 422

W

Waffle irons ... 1296
Wage earners. *See* Labor force employment *and individual industries.*
Wages and wage rates. *See* Salaries and wages.
Walnuts ... 1110
Warehousing ... 1014
Wars:
American, total cost of ... 522
Deaths ... 533
Military personnel, desertion and AWA ... 539
U.S. troops and casualties ... 533
Vietnam conflict ... 533
Warsaw Pact, arms, export market ... 520
Warsaw Pact countries, military expenditures ... 517
Washing machines:
Electric, homes with ... 1227
Shipments and retail value ... 1296
Washington. *See* State data.
Wastepaper:
Producer price indexes ... 735
Utilization and recovery ... 1131
Watches. *See* Clocks, watches, etc.
Water:
Area:
United States ... 1
United States and outlying areas ... 318
Public domain ... 319, 321
Pollution ... 339, 340
Expenditures for abatement ... 340–343
Oil spills ... 330, 1048
Rivers and streams ... 329
Power ... 930, 946
Transportation ... 980, 981
Accidents, deaths ... 980
Coastal districts ... 1039
Federal outlays ... 981
Foreign trade ... 1036, 1039
Great Lakes ... 1039
Inland water systems ... 1038
Use ... 327
Waterborne commerce (*see also* Foreign trade) ... 1039–1042, 1044
Waterskiing ... 360, 374, 375
Waterways, internal traffic ... 979, 1036
Intercity traffic ... 979
Waterworks:
Public supply ... 327, 328
Value of new construction ... 1201, 1202
Wealth:
Assets of families ... 727, 728
Assets of households ... 728
Business ... 722
Government ... 722
Households ... 722
Top wealthholders ... 723–725
Weapons, firearms ... 125
Wearing apparel. *See* Apparel.
Weather conditions at selected stations ... 345–355
West Indies. *See* Outlying areas.
West Virginia. *See* State data.
Western European economic blocs ... 1368
Western Samoa. *See* Foreign countries.
Wheat:
Acreage, production, and value ... 1093, 1094, 1100, 1104
Commodity Credit Corporation transactions ... 1081
Farm labor required, worker-hours ... 1090
Fertilizer application ... 1067
Foreign trade ... 1093, 1094, 1349, 1413
Prices:
Export ... 744
Farm ... 1100, 1104
Under support ... 1101
Supply and disappearance ... 1100
World production ... 1373
Wheat flour:
Consumption ... 184

Table

Wheat flour—Continued
Exports ... 1349
Foreign countries ... 1397
Prices ... 744
Whiskey:
Consumption ... 1267
Imports ... 1267
Prices ... 744
Production, stocks, and tax-paid withdrawals ... 1267
White-collar workers ... 495, 501
Employment cost index ... 662
Women ... 501
White House, employment ... 501, 502
Whiting, quantity and value of catch ... 1139, 1140, 1142 1144
Fresh and frozen, packaged ... 1144
Wholesale and retail trade:
Corporations, partnerships, and proprietorships ... 825
Employees, States ... 647
Partnership ... 838
Unemployment rate ... 635
Wholesale trade (*see also* Prices *and* Trade):
Corporations, partnerships, and proprietorships ... 825
Displaced workers ... 637
Employees ... 630, 640, 642, 832, 1299, 1314
Earnings, average ... 642, 646
Hours ... 640
Injury rates ... 664
Kind of business ... 1315
Employment projections ... 631
Foreign investments in the U.S ... 1334, 1335
Gross national product, origin ... 1298
Inventories ... 1316
Kind of business:
Sales inventories ... 1316
Summary ... 1315
Merchant wholesalers and proprietors ... 1316
Outlying areas ... 1366, 1372
Payrolls ... 832, 1314, 1315
Proprietors ... 1314
Sales ... 1314, 1316
States, summary ... 1317
Wildlife, endangered species ... 328
Wind velocity, selected cities ... 353
Wines (*see also* Liquors, etc.) ... 1262, 1263
Consumption ... 186
Wholesale trade ... 1315
World production ... 1373
Wire, manufacture ... 1242
Wisconsin. *See* State data.
Women:
Abortions ... 103–105, 160
Age and/or sex ... 15
Projections ... 15
AIDS ... 170
Alcohol use ... 178, 179, 181
Arrests ... 278
Births and birth rates ... 91, 83–94, 96, 98, 99, 101
Births to single women ... 96
Cesarean section deliveries ... 90, 157
Characteristics, selected ... 93–95, 97–99
First births ... 94
Breast feeding ... 91
Cancer ... 176
Cigarette smoking ... 178, 182
Child day care ... 596
Chronic conditions ... 172, 173, 177
Contraceptive use ... 100
Criminal victimization ... 266
Deaths and death rates ... 109–111, 118, 120, 121
Delivery procedures, births ... 157
Dentists visits ... 147
Diagnostic procedures, health ... 148, 157
Disability days ... 166
Drug usage ... 181
Earnings ... 231
Educational attainment ... 231
Earnings ... 231
Education:
Adult education ... 262
Participant characteristics ... 271
American College Testing program ... 226
Attainment ... 202
Labor force status ... 620
College enrollment ... 233, 234, 236, 239, 243
By age ... 236
By State ... 244
Employed students ... 242
Projections ... 236
College graduates ... 232
Degrees conferred ... 254, 256, 257, 968

Digitized by Google

Table

Women—Continued
Education—Continued
Enrollment by level ... 195
High school graduates ... 232
SAT tests ... 225
Employed in Federal government ... 500
Fertility, fertility rate ... 95, 97
Group quarters ... 74
Health insurance coverage ... 140
Height distribution ... 183
Homicides ... 268
Hospital use ... 154, 160
Householders ... 55–60, 62, 65, 66, 68–72
Hysterectomy ... 157
Illness/inquiry ... 171
Income ... 710, 711
Injury ... 167
Labor force and employment:
Displaced workers ... 616
Earnings:
By occupation ... 653
States ... 610
Wage and salary workers ... 651
Workers on flexible schedules ... 617
Work schedules ... 615
Employed:
Age ... 611
By educational attainment and occupation ... 626, 629
By industry ... 630
By occupation ... 627
Federal government ... 500
Marital status ... 624
Multiple jobholders ... 616
Occupation ... 627
Persons working at home ... 637
State and local government ... 463
Union membership ... 667
Work schedules ... 614–617
Employment status ... 607, 610, 611, 614
Age ... 608, 609, 614
Children in preprimary school ... 198
Full-time ... 614
Government employees and salaries:
State and local government ... 463
Marital status ... 623, 624
Age of children ... 624
School enrollment ... 621
Participation rates ... 608, 610
Marital status ... 622–625
Projections ... 608
Worklife expectancy ... 606
Marital status ... 46–49, 51–55
Multimedia users ... 879
Nutrient intake ... 185
Personal health practices ... 178
Persons living alone ... 73
Physicians visits ... 147, 148
Population ... 13
Age distribution ... 13
Prisoners ... 306
Public officials ... 417
Rape ... 269
Religious television viewing ... 78
Scientists and engineers ... 961, 962
Selected characteristics ... 109, 125
Social Security beneficiaries and payments ... 565
Surgical procedures ... 157
Toxic shock syndrome ... 149
Unemployment ... 607, 610, 611, 614, 619, 621, 624, 632–634

Table

Women—Continued
Unemployment—Continued
Age ... 611, 614, 632
Reason ... 633, 637
Union membership ... 667
Wood and wood manufacture (*see also* Lumber *and* Timber):
Foreign trade ... 1349, 1350
Manufacture, summary ... 1242
Woodpulp (*see also* Paper and pulp) ... 1132
Foreign trade ... 1349, 1350
Prices:
Import and export ... 744
Producer indexes ... 735, 1124
Production and consumption ... 1132
World production ... 1373
Wool:
Consumed in manufacturing ... 1267
Farm income ... 1076
Foreign trade ... 1350
Prices:
Import ... 744
Production, world ... 1373
Wool manufacturing industry ... 1242, 1268
Work and training programs ... 557
Worklife expectancy ... 606
Work stoppages ... 662
Workers. *See* Employment and labor force.
Workers' compensation program ... 130, 135, 553, 555, 560, 584, 585, 819
World, summary statistics ... 1160, 1166, 1175, 1177, 1178, 1181–1190, 1373
Armed Forces personnel ... 1425
Comparative data (area, population, etc.) ... 1378, 1380, 1386
Exports of manufactures, U.S. comparison ... 1253
Farm commodities ... 1094, 1412
Merchant vessels ... 1049, 1051
Military expenditures ... 517, 1424
Mineral production ... 1160, 1166, 1175, 1177, 1178, 1181, 1184–1190, 1408
U.S., as percent of world ... 1160
World Wars I and II, cost ... 522
Worldwide tanker casualties ... 1048
Wyoming. *See* State data.

Y

Yarn, thread, etc., manufacture ... 1242
Employees ... 642, 1242
Earnings ... 642
Foreign trade ... 1349, 1350
Yemen. *See* Foreign countries.
Yogurt consumption ... 184
Youth employment programs ... 557
Yugoslavia. *See* Foreign countries.

Z

Zaire. *See* Foreign countries.
Zambia. *See* Foreign countries.
Zinc, summary ... 1153, 1154, 1159, 1160, 1162, 1164, 1188
Foreign trade ... 1162
Imports as percent of consumption ... 1164
Prices ... 747, 1159, 1188
Production and value (mine and smelter) ... 1154, 1188
World ... 1408
Production, U.S. as percent of world ... 1160

U.S. GOVERNMENT PRINTING OFFICE : 1988 O - 192-073

Digitized by Google

1988 U.S. INDUSTRIAL OUTLOOK

The U.S. Government's Best-Selling Business Reference Book

Official Department of Commerce forecasts for over 350 industries

Year-ahead and 5-year forecasts and industry-by-industry reviews

650 pages of outlooks and historical summary by over 100 skilled industry analysts

Vast data base—tailored for business and investment planning



rder the completely new 988 edition now.

IL THIS FORM TO: **Superintendent of Documents, Washington, D.C. 20402**

ase send _____ copies of the **1988 U.S. INDUSTRIAL OUTLOOK** (SN 003-009-00522-1) 24 per copy to:

e _____

pany Name _____

_____

State _____ ZIP Code

$_____ Total Enclosed (Check / Money Order)

Charge my: ☐ GPO Deposit Account ☐ VISA ☐ MasterCard

Account Number _____ Expiration Date _____

Signature _____

Digitized by Google

STATISTICAL ABSTRACT SUPPLEMENTS

State and Metropolitan Area Data Book, 1986. This third edition in a series presents a vast array of data items for each of the 50 States, the District of Columbia, non-New England metropolitan statistical areas, New England county metropolitan areas, all component counties and central cities. Includes data from both Government and private agencies. Similar in content to the *County and City Data Book,* though presenting more trend data, this edition features 1,873 data items for States; 298 data items for metropolitan areas; and 86 data items for central cities. Also presented are comparative rankings for metropolitan areas and States on a variety of demographic and economic measures, descriptive text, explanatory notes, and source citations. Issued 1986.

County and City Data Book, 1988. This latest in a series of publications presents 203 statistical data items for each State and county in the United States, 134 data items for 952 incorporated cities having 25,000 or more inhabitants in 1980, and 4 items for approximately 9,600 places also. New population data, including age etimates, are featured along with vital statistics, health, crime, personal income, and other data. Also featured are rankings for selected data items and a new appendix on county seats. Forthcoming spring 1988.

Historical Statistics of the United States, Colonial Times to 1970. A two-part compendium of more than 12,500 statistical time series, largely annual, on American social, economic, political, and geographic development, covering periods from 1610 to 1970. (Out of print.)

Purchase orders for books should be addressed to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, Tel. (202) 783-3238. Publications are also available in Government Printing Office bookstores located in major cities.

Machine-Readable Products

State and Metropolitan Area Data Book, 1986—Files on Diskettes. Provides approximately 2,000 data items for States, 300 for metropolitan areas, and 100 for central cities.

County and City Data Book, 1988—Files on Diskettes and tapes. Forthcoming.

County Statistics File 3—Files on Tape. Contains over 1,000 data items for the United States, 50 States, the District of Columbia, and 3,139 counties or county equivalents. Forthcoming.

Requests for tapes and diskettes should be addressed to the Customer Services Branch, Data User Services Division, U.S. Bureau of the Census, Washington, DC 20233, Tel. (301) 763-4100.

Digitized by Google



108th Editon

National Data Book and Guide to Sources

Since 1878, the nation's most authoritative source of information on its people, institutions, and economy. This edition features . . .

- ★ State Rankings—comparisons of States on 60 data items
- ★ 1986 population estimates for metropolitan areas
- ★ An address and telephone contact guide to 30 governmental agencies
- ★ USA Statistics in Brief—a handy pamphlet
- ★ New data on national and State population projections, the elderly, employment projections by industry and occupation, election results by congressional districts, participation in sports activities, and income data for the 50 largest cities

". . .it is one of the world's outstanding statistical documentaries on human affairs and is universally acknowledged as such."

J. A. Livingston
The Philadelphia Inquirer

". . .I admit to a lot of eccentricities but few that I will confess in public. Except this: I love statistics. I am an avid fan of the Statistical Abstract of the United States. It's the best book the government publishes."

Robert Samuelson
Newsweek Magazine

"For half a century I have used the Abstract to clarify and to focus my thinking. . .I use it in three distinct ways: To explain my homeland, to make comparisons with other nations, and to amuse. And it is the ideal exploration."

James A. Michener, Author of Hawaii, Space, and Texas

DEPOSIT
APR 07 1988
SHIPPED
Digitized by Google


Digitized by Google

Stanford University Libraries
3 6105 019 659 585



DATE DUE			

STANFORD UNIVERSITY LIBRARIES
STANFORD, CALIFORNIA 94305-6004



Digitized by Google



DATE DUE			

STANFORD UNIVERSITY LIBRARIES
STANFORD, CALIFORNIA 94305-6004

Digitized by Google

